



AECOM
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April 6, 2010

Mr. William S. Bombich
Superior Water, Light & Power Company
2915 Hill Avenue
Superior, Wisconsin 54880

**Subject: Sediment Investigation Results, Former MGP Site, Superior, Wisconsin.
AECOM Project No 60148476**

Dear Mr. Bombich,

AECOM has completed a sediment investigation at the Graymont coal slip located adjacent to the former manufactured gas plant (MGP). The sediment investigation consisted of four Geoprobe borings drilled through the ice, water, and lake sediments, to the depth of the native red clay soil. A total of 10 sediment samples were collected by AECOM and analyzed by Pace Analytical Services, Inc. (Pace). This letter describes the investigation details and summarizes the laboratory analytical data.

A minimum of 28 inches of ice was present in the boat slip, which was more than adequate to support the weight of the Geoprobe drilling rig. Access to the ice was obtained over the rip-rap at the head of the slip. On February 23 and 24, 2010, borings SedB1 through SedB4 were drilled at the locations shown on the attached Figure 1. The boring logs are presented in Attachment 1.

AECOM operated a Geoprobe direct-push drill rig and utilized a four-foot long stainless steel core sampler to obtain the sediment samples. New acetate liners were used for each sample and the drilling equipment was decontaminated with Alconox and water between uses. In some strata, recovery was improved with the use of plastic sediment baskets inserted into the tip of the sampler. A retractable plug was used in the tip of the sampler to ensure that overlying sediment did not enter the core barrel until the desired sampling interval was reached.

The depth from the top of the ice to the top of the sediment was three-feet to 17-feet deep. The native red clay soil was found in each boring at depths ranging from 18 and 30-feet below the ice. The clay was deeper in borings SedB1 and SedB4 closer to the Graymont dock wall (west side of slip).

Sediment samples were placed in sealed plastic bags and a photoionization detector (PID) was used to measure organic vapors. As shown on the boring logs, no elevated PID readings were found. The only odors noted during this sediment investigation were from the samples collected at SedB4, where a slight petroleum odor was noted in the most surficial samples. The surficial sediments from all the borings were dark brown or black in color, whereas deeper samples were light brown to light red in color. The lake sediment consisted mainly of sand and silty sand and also contained wood, sawdust, shells, clay, and a wide variety of sand grain sizes. No oil-like material,

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tar-like material, sheen, or obvious waste materials of any kind were observed in any of the samples. MGP wastes were not observed in the samples. Photographs taken during the investigation are provided in Attachment 2.

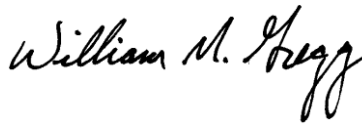
One surficial sediment sample (0 to 1-foot deep) was collected in each boring with one or two deeper samples collected in each boring, depending on recoveries in the core barrel. Laboratory analytical results are provided in Attachment 3. Table 1 summarizes the detected compounds and includes the sum of the PAH compounds detected in each sample. The highest concentrations of PAH and VOC constituents were found in the surficial sediments in the deepest water near the Graymont dock (SedB-4 from 0 to 2 –feet). This sediment sample had a slight petroleum odor.

Based upon the observations and laboratory results, MGP-derived constituents were not detected in the boat slip sediments. The hydrocarbons detected were likely derived from the vessels using the dock, discharge from the wastewater plant, and/or storm sewer discharges. I look forward to discussing these results with you soon.

Sincerely yours,



Christina M Boehm Carlson
Project Manager



William M. Gregg, PG
Senior Program Manager

Attachments

Figure




Sediment Sample Locations
 Superior Water, Light & Power
 Former MGP Site
 Superior, Wisconsin

Legend

- SedB-1 Sediment Sample from Superior Bay Boat Slip (Feb 2010)

Map Projection: UTM NAD83 15N Feet
 Image Source: Aerial NAIP 2005 (ArcGIS online I3 imagery)

0 100 200
 Feet Scale 1:2,000



AECOM

Figure 1

March 2010

Project: 60148476-100.1

Table

Table 1
Summary of Sediment Laboratory Analytical Results
Superior Water Light and Power Former MGP
Superior, Wisconsin

Parameter	Units	SedB1-0-1	SedB1-5-8	SedB1-22-24	SedB2-0-1	SedB2-1-3	SedB3-0-2	SedB3-2-4	SedB3-10-14	SedB4-0-2	SedB4-6-7	TEC ¹	MEC ²	PEC ³
VOC														
Benzene	ug/kg	72.8	81.0	<24.6	44.0	44.3	62.0	120	<24.5	448	38.0	57	83.5	110
n-Butylbenzene	ug/kg	<68.5	<66.6	<61.6	<67.9	<71.1	80.2	293	<61.3	306	<76.0	NA	NA	NA
sec-Butylbenzene	ug/kg	<68.5	<66.6	<61.6	<67.9	<71.1	<64.1	124	<61.3	<84.2	<76.0	NA	NA	NA
Ethylbenzene	ug/kg	<68.5	<66.6	<61.6	<67.9	<71.1	<64.1	<73.1	<61.3	244	<76.0	NA	NA	NA
Isopropylbenzene (Cumene)	ug/kg	<68.5	<66.6	<61.6	<67.9	<71.1	<64.1	127	<61.3	176	<76.0	NA	NA	NA
p-Isopropyltoluene	ug/kg	<68.5	<66.6	<61.6	<67.9	<71.1	<64.1	<73.1	<61.3	178	<76.0	NA	NA	NA
Naphthalene	ug/kg	<274	<266	<246	<272	<284	<256	<292	<245	8,390	699	176	369	561
n-Propylbenzene	ug/kg	<68.5	<66.6	<61.6	<67.9	<71.1	<64.1	<73.1	<61.3	126	<76.0	NA	NA	NA
Toluene	ug/kg	<68.5	<66.6	<61.6	<67.9	<71.1	94.7	141	<61.3	360	319	890	1345	1800
1,2,3-Trichloropropane	ug/kg	<68.5	<66.6	<61.6	<67.9	<71.1	97.1	86	<61.3	<84.2	<76.0	NA	NA	NA
1,2,4-Trimethylbenzene	ug/kg	<68.5	<66.6	<61.6	<67.9	<71.1	409	1,460	<61.3	1,450	89.0	NA	NA	NA
1,3,5-Trimethylbenzene	ug/kg	<68.5	<66.6	<61.6	<67.9	<71.1	<64.1	468	<61.3	471	<76.0	NA	NA	NA
Xylene (Total)	ug/kg	<206	<200	<185	<204	<213	<192	615	<184	538	<228	25	37.5	50
PAH														
Acenaphthene	ug/kg	108	77.1	<12.2	520	1,040	1,570	3,410	12.5	42,500	12,300	6.7	48	89
Acenaphthylene	ug/kg	93.1	74.9	<12.2	<138	197	93.4	554	<12.3	1,460	1,230	5.9	67	128
Anthracene	ug/kg	212	142	<12.2	969	1,590	3,500	3,500	<12.3	72,400	14,200	57.2	451	845
Benzo(a)anthracene	ug/kg	518	360	<12.2	2,110	3,400	5,070	8,020	<12.3	91,400	22,700	108	579	1050
Benzo(a)pyrene	ug/kg	458	339	<12.2	1,740	2,680	3,930	6,720	<12.3	55,100	17,100	150	800	1450
Benzo(b)fluoranthene	ug/kg	588	425	<12.2	2,500	3,060	5,090	9,490	<12.3	81,600	22,700	240	6820	13400
Benzo(g,h,i)perylene	ug/kg	149	115	<12.2	575	1,380	1,810	3,070	<12.3	20,900	4,690	170	1685	3200
Benzo(k)fluoranthene	ug/kg	233	130	<12.2	969	1,230	1,790	3,400	<12.3	23,600	8,850	240	6820	13400
Chrysene	ug/kg	446	319	<12.2	1,770	2,510	3,900	7,550	<12.3	66,500	17,800	166	728	1290
Dibenz(a,h)anthracene	ug/kg	<69.8	39	<12.2	207	464	592	1,070	<12.3	9,070	2,260	33	84	135
Fluoranthene	ug/kg	878	621	21.7	4,540	6,370	10,600	19,100	<12.3	179,000	49,000	423	1327	2230
Fluorene	ug/kg	111	77.9	<12.2	549	1,100	1,850	2,920	<12.3	47,200	10,300	77.4	307	536
Indeno(1,2,3-cd)pyrene	ug/kg	145	110	<12.2	605	1,310	1,720	2,870	<12.3	22,000	4,920	200	1700	3200
Naphthalene	ug/kg	150	86.7	<246	315	1,170	430	3,620	<12.3	40,800	11,300	176	369	561
Phenanthrene	ug/kg	752	521	<12.2	4,320	6,880	12,600	21,300	<12.3	253,000	65,100	204	687	1170
Pyrene	ug/kg	931	669	39.0	3,950	6,150	9,600	17,700	<12.3	152,000	45,800	195	858	1520
Total PAH	ug/kg	5,772	4,107	61	25,639	40,531	64,145	114,294	13	1,158,530	310,250	1610	12205	22800
Total PAH @ 1% TOC ⁴		5,951	9,270	---	21,728	8,090	19,983	17,136	20	212,185	23,504	1610	12205	22800
Other														
Amenable Cyanide	mg/kg	<0.70	<0.67	<0.61	<0.69	<0.69	<0.63	<0.73	0.61	<0.85	<0.78	NA	NA	NA
Cyanide	mg/kg	<0.70	<0.67	<0.60	<0.68	<0.69	<0.63	<0.72	1.2	<0.85	<0.76	NA	NA	NA
Lead	mg/kg	20.9	19.8	1.8	53.8	49.3	39.6	27.4	2.8	72.5	205	36	83	130
Total Organic Carbon	mg/kg	9,700	4,430	1,490	11,800	50,100	32,100	66,700	6,370	54,600	132,000	NA	NA	NA
Percent Moisture	%	28.3	24.8	17.8	27.5	27.9	20.4	31.3	18.5	41.0	35.9	NA	NA	NA

Sediment samples were collected on February 23 and 24, 2010 from the Graymont coal slip. Sample depth, in feet below the sediment-water interface, is indicated following the sample ID. Results are reported in micrograms per kilogram (ug/kg) or milligrams per kilogram (mg/kg). Only detected compounds are listed on this table. See the laboratory analytical report for all results. Bold indicates detected results, < indicates parameter was not detected above the laboratory reporting limit.

1. Wisconsin DNR Sediment Quality Guideline (SQG) Threshold Effect Concentration (Dec 2003).
2. Wisconsin DNR SQG Midpoint Effect Concentration.
3. Wisconsin DNR SQG Probable Effect Concentration.
4. Total PAH Normalized to 1% Total Organic Carbon (total PAH divided by percent TOC in sample).

Attachment A

Sediment Boring Logs

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

Page 1 of 2

Facility/Project Name Superior, Water, Light & Power		License/Permit/Monitoring Number		Boring Number SedB1	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Don Last Name: Johnston Firm: AECOM		Date Drilling Started 2/ 2 3/ 2 010 m m d d y y y y	Date Drilling Completed 2/ 2 3/ 2 010 m m d d y y y y	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Lat 46° 43 ' 43.04	Long 92° 4 ' 28.77	
Facility ID	County DOUGLAS	Countv Code 16	Civil Town/City/ or Village Superior		

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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
CS	24-12		1	0.0 - 2.0 Dark sand with silt. No odors noted.	SW			0.0						Sediment lies beneath 32" of ice and 6" of water
CS	24-0		2	2.0 - 4.0 No recovery.	NA			NA						Lab sample collected from 0-1'
CS	36-6		4	4.0 - 8.0 Dark fine sand and wood fragments.	SP			0.0						Lab sample collected from 5-8'
CS	24-24		8	8.0 - 10.0 Dark poorly sorted fine sand.	SW			NA						
CS	24-24		10	10.0 - 12.0 Dark poorly sorted fine sand.	SW			NA						

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

Signature _____ Firm AECOM

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.

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

Page 1 of 2

Facility/Project Name Superior, Water, Light & Power		License/Permit/Monitoring Number		Boring Number SedB2	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Don Last Name: Johnston Firm: AECOM		Date Drilling Started 2/ 2 3/ 2 010 m m d d y y y y	Date Drilling Completed 2/ 2 3/ 2 010 m m d d y y y y	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Lat 46° 43 ' 42.72	Long 92° 4 ' 28.41		
Facility ID	County DOUGLAS	Countv Code 16	Civil Town/City/ or Village Superior		

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					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
CS	12-12		0.0 - 1.0	Black silty sand.	SM			0.8							
CS	24-24		1.0 - 3.0	1-2' Black silty sand. 2-3' Lighter colored sand. Wood particles and fragments.	SM			0.3							Sediment lies beneath 38" of ice Lab sample collected from 0-1'
CS	48-48		3.0 - 7.0	Dark sand with wood.	SP			1.5							Lab sample collected from 1-3'
CS	12-12		7.0 - 8.0	Wood.	NA			NA							
CS	36-30		8.0 - 11.0	Silty sand. Biologic sheen from 8-9.5'.	SM			0.3							
CS	24-24		11.0 - 13.0	Red clay.	CL			0.0							

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Route To: Watershed/Wastewater Waste Management
Remediation/Revelpment Other

Page 1 of 2

Facility/Project Name Superior, Water, Light & Power		License/Permit/Monitoring Number		Boring Number SedB3	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Don Last Name: Johnston Firm: AECOM		Date Drilling Started 2/ 2 3/ 2 010 m m d d y y y y	Date Drilling Completed 2/ 2 3/ 2 010 m m d d y y y y	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Lat 46° 43' 43.32"	Long 92° 4' 27.3"	
Facility ID	County DOUGLAS	Countv Code 16	Civil Town/City/ or Village Superior		

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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
CS	24-12		1	0.0 - 2.0 Dark fine sand.	SP			1.3						Sediment lies beneath 28" of ice and 8' of water
CS	48-24		2	2.0 - 6.0 Dark fine sand with wood fragments.	SP		0.4							Lab sample collected from 0-2'
CS	48-42		6	6.0 - 10.0 Dark fine sand with a lot of wood (almost like peat).	SP		0.5							Lab sample collected from 2-4'
CS	60-60		10	10.0 - 15.0 Dark sand. Some gray clay. Wood.	SP/C		NA							

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

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

Page 1 of 2



Facility/Project Name Superior, Water, Light & Power		License/Permit/Monitoring Number		Boring Number SedB4	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Don Last Name: Johnston Firm: AECOM		Date Drilling Started 2/ 2 4/ 2 010 m m d d y y y y	Date Drilling Completed 2/ 2 4/ 2 010 m m d d y y y y	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E			Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Lat 46° 43' 43.73"	Long 92° 4' 27.87"	
Facility ID	County DOUGLAS	Countv Code 16	Civil Town/City/ or Village Superior		

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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
CS	24-24		1	0.0 - 2.0 Black sandy sediment, pebbles, and wood. Slight Petroleum odor.	SP			0.0						Sediment lies beneath 28" of ice and 17' of water
CS	48-0		2	2.0 - 6.0 No recovery.	NA			NA						Lab sample collected from 0-2'
CS	12-12		6	6.0 - 7.0 Black sand.	SP			0.0						Lab sample collected from 6-7'
CS	66-0		7	7.0 - 12.5 No recovery.	NA			NA						

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

Signature _____ Firm AECOM

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Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
CS	30-30			12.5 - 14.9 Red clay. 14.9 - 15.0 End of Boring = 15'	CH			NA						

Attachment B

Photographs


Facility Name: Superior Water, Light & Power MGP		Site Location: Superior, WI	Project No. 60148476
Photo No. 1	Date: 2/32/10		
Direction Photo Taken: West			
Description: Set up on SedB1, Graymont in the background.			

Photo No. 2	Date: 2/23/10	
Direction Photo Taken: West		
Description: Surficial sediment in boring SedB1 (0 -1 ft). Acetate liners and plastic sediment baskets were used with the geoprobe tools.		



Facility Name: Superior Water, Light & Power MGP		Site Location: Superior, WI	Project No.: 60148476
Photo No.: 3	Date: 2/23/10		
Direction Photo Taken: West			
Description: Dark brown/black fine sandy sediment collected from 5-8 feet in SedB1.			

Photo No.: 4	Date: 2/23/10		
Direction Photo Taken: West			
Description: Red clay in boring SedB1.			


Facility Name: Superior Water, Light & Power MGP		Site Location: Superior, WI	Project No.: 60148476
Photo No.: 5	Date: 2/23/10		
Direction Photo Taken: West			
Description: Black silty sand collected from 0-1 feet in SedB2.			

Photo No.: 6	Date: 2/23/10	
Direction Photo Taken: West		
Description: Poorly sorted sand and silt in SedB2 1-3 feet.		


Facility Name: Superior Water, Light & Power MGP		Site Location: Superior, WI	Project No. 60148476
Photo No. 7	Date: 2/23/10		
Direction Photo Taken: West			
Description: Sediment with a biologic sheen in boring SedB2 at 7-11 feet.			

Photo No. 8	Date: 2/23/10	
Direction Photo Taken: West		
Description: Clay and sand collected in SedB2 11-15 feet.		

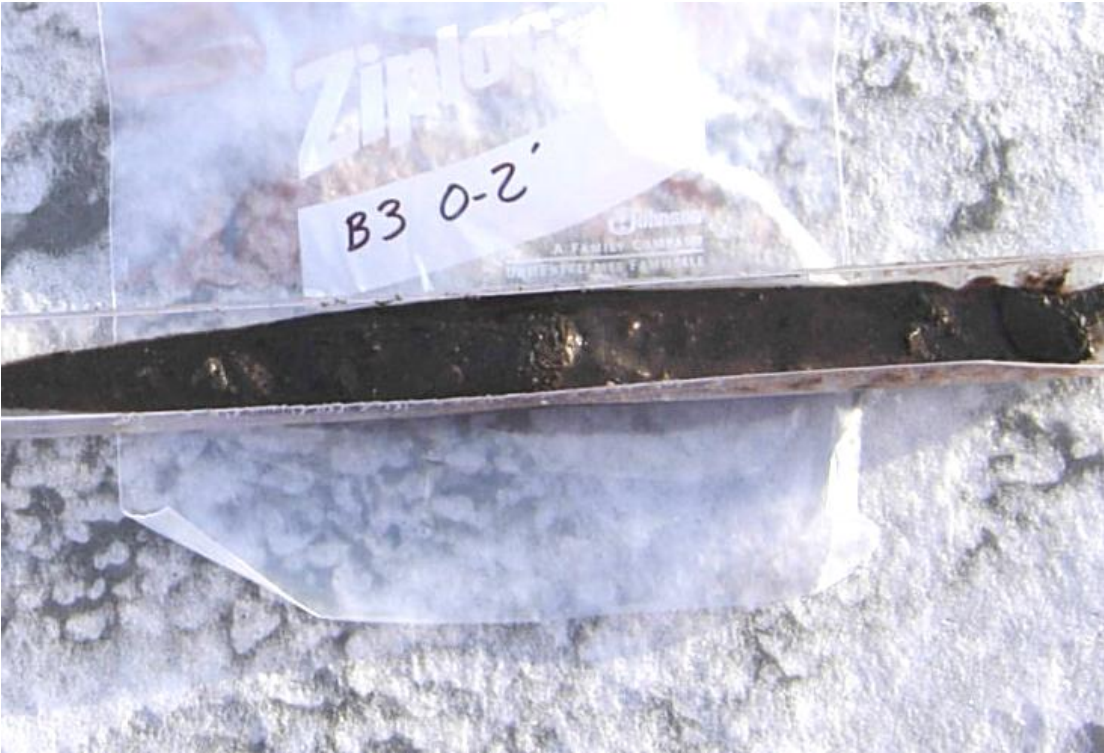
Facility Name: Superior Water, Light & Power MGP		Site Location: Superior, WI	Project No. 60148476
Photo No. 9	Date: 2/23/10		
Direction Photo Taken: East			
Description: Dark fine sand from SedB3 0-1 feet. The acetate liner is on the ice.			

Photo No. 10	Date: 2/23/10		
Direction Photo Taken: West			
Description: Boring SedB3 2-6 foot sample.			

Facility Name:
Superior Water, Light & Power MGP

Site Location:
Superior, WI

Project No.
60148476

Photo No.
11

Date:
2/23/10

Direction Photo Taken:
West

Description:
Sediment from boring SedB3 at 6-10 feet contained a lot of wood particles and larger chunks of wood. Note wood in the tip of the drill tool.



Photo No.
12

Date:
2/24/10

Direction Photo Taken:
West

Description:
Set up on SedB4 on Wednesday 2/24/10.



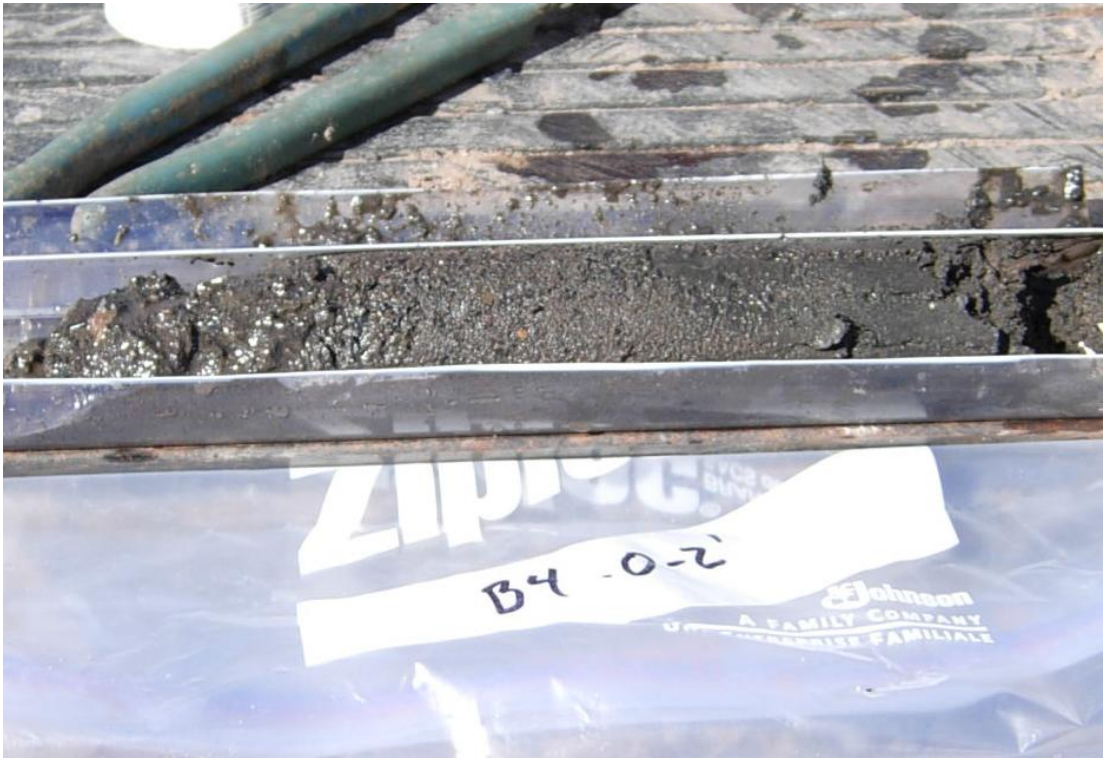
Facility Name: Superior Water, Light & Power MGP		Site Location: Superior, WI	Project No.: 60148476
Photo No.: 13	Date: 2/24/10	 A photograph showing a clear plastic Ziploc bag containing a dark, granular sediment sample. The bag is labeled with 'B4 0-2' in black marker. The bag is placed on a wooden surface. In the background, there are some green pipes and a white container.	
Direction Photo Taken: West			
Description: This dark sand from SedB4 0-2 feet had a slight petroleum odor.			

Photo No.: 14	Date: 2/24/10	 A photograph showing a clear plastic Ziploc bag containing a dark, granular sediment sample. The bag is labeled with 'B4 4-5' in black marker. The bag is placed on a wooden surface. In the background, there is a metal container and a hammer.	
Direction Photo Taken: West			
Description: Boring SedB4 4-5 foot sample. There was poor recovery in this interval.			

Facility Name:

Superior Water, Light & Power MGP

Site Location:

Superior, WI

Project No.

60148476

Photo No.
15**Date:**
2/24/10**Direction Photo Taken:**
West**Description:**

Red clay from the bottom of boring SedB4 at 12.5 feet.

**Photo No.**
16**Date:**
2/24/10**Direction Photo Taken:**
North**Description:**

Boring SedB4.



Attachment C

Laboratory Analytical Report

March 10, 2010

Bill Gregg
AECOM
First National Bank Building
332 Minnesota St, Suite E1000
Saint Paul, MN 55101

RE: Project: 60148476 SWL&P Sediment Invest
Pace Project No.: 10123125

Dear Bill Gregg:

Enclosed are the analytical results for sample(s) received by the laboratory on February 25, 2010. 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,



Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 50

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CERTIFICATIONS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Minnesota Certification IDs

1700 Elm Street SE, Suite 200 Minneapolis, MN 55414

Wisconsin Certification #: 999407970

Alaska Certification #: UST-078

Arizona Certification #: AZ-0014

California Certification #: 01155CA

Florida/NELAP Certification #: E87605

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Montana Certification #: MT CERT0092

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Tennessee Certification #: 02818

Washington Certification #: C754

Green Bay Certification IDs

Kentucky Certification #: 82

1241 Bellevue Street Green Bay, WI 54302

Wisconsin DATCP Certification #: 105-444

Wisconsin Certification #: 405132750

South Carolina Certification #: 83006001

North Dakota Certification #: R-150

North Carolina Certification #: 503

New York Certification #: 11888

California Certification #: 09268CA

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 11887

Indiana Certification IDs

Illinois/NELAC Certification #: 100418

7726 Moller Road Indianapolis, IN 46268

West Virginia Certification #: 330

Pennsylvania: 68-00791

Ohio VAP: CL0065

Kentucky Certification #: 0042

Kansas Certification #: E-10247

Indiana Certification #: C-49-06

REPORT OF LABORATORY ANALYSIS

Page 2 of 50

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SAMPLE SUMMARY

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10123125001	B1-0-1	Solid	02/23/10 11:15	02/25/10 17:00
10123125002	B1-5-8	Solid	02/23/10 11:40	02/25/10 17:00
10123125003	B1-22-24	Solid	02/23/10 01:00	02/25/10 17:00
10123125004	B2-0-1	Solid	02/23/10 02:30	02/25/10 17:00
10123125005	B2-1-3	Solid	02/23/10 02:45	02/25/10 17:00
10123125006	B3-0-2	Solid	02/23/10 04:45	02/25/10 17:00
10123125007	B3-2-4	Solid	02/23/10 05:30	02/25/10 17:00
10123125008	B3-10-14	Solid	02/23/10 06:15	02/25/10 17:00
10123125009	B4-0-2	Solid	02/24/10 12:30	02/25/10 17:00
10123125010	B4-6-7	Solid	02/24/10 01:15	02/25/10 17:00

REPORT OF LABORATORY ANALYSIS

Page 3 of 50

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SAMPLE ANALYTE COUNT

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10123125001	B1-0-1	EPA 6010	IP	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
		EPA 9012	DDM	1	PASI-I
		EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G
10123125002	B1-5-8	EPA 6010	IP	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
		EPA 9012	DDM	1	PASI-I
		EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G
10123125003	B1-22-24	EPA 6010	IP	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
		EPA 9012	DDM	1	PASI-I
		EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G
10123125004	B2-0-1	EPA 6010	IP	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
		EPA 9012	DDM	1	PASI-I
		EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G
10123125005	B2-1-3	EPA 6010	IP	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
		EPA 9012	DDM	1	PASI-I
		EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G
10123125006	B3-0-2	EPA 6010	IP	1	PASI-M
		% Moisture	JDL	1	PASI-M

REPORT OF LABORATORY ANALYSIS

Page 4 of 50

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SAMPLE ANALYTE COUNT

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10123125007	B3-2-4	EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
		EPA 9012	DDM	1	PASI-I
		EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G
		EPA 6010	IP	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
		EPA 9012	DDM	1	PASI-I
10123125008	B3-10-14	EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G
		EPA 6010	IP	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
		EPA 9012	DDM	1	PASI-I
		EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G
		EPA 6010	IP	1	PASI-M
10123125009	B4-0-2	% Moisture	JDL	1	PASI-M
		EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
		EPA 9012	DDM	1	PASI-I
		EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G
		EPA 6010	IP	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
10123125010	B4-6-7	EPA 9012	DDM	1	PASI-I
		EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G
		EPA 6010	IP	1	PASI-M
		% Moisture	JDL	1	PASI-M
		EPA 8270 by SIM	HRG	19	PASI-M
		EPA 8260	RTP	71	PASI-M
		EPA 9012	DDM	1	PASI-I
		EPA 9012	DDM	1	PASI-I
		EPA 9060 Modified	DJR	3	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B1-0-1 **Lab ID: 10123125001** Collected: 02/23/10 11:15 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Lead	20.9 mg/kg		0.29	1	03/03/10 18:09	03/04/10 12:26	7439-92-1	
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Dry Weight

Analytical Method: % Moisture

Percent Moisture	28.3 %		0.10	1		02/26/10 00:00		
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8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550

Acenaphthene	108 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	83-32-9	
Acenaphthylene	93.1 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	208-96-8	
Anthracene	212 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	120-12-7	M0
Benzo(a)anthracene	518 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	56-55-3	M0
Benzo(a)pyrene	458 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	50-32-8	M0
Benzo(b)fluoranthene	588 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	205-99-2	M0
Benzo(g,h,i)perylene	149 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	191-24-2	M0
Benzo(k)fluoranthene	233 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	207-08-9	M0, R1
Chrysene	446 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	218-01-9	M0
Dibenz(a,h)anthracene	ND ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	53-70-3	M0
Fluoranthene	878 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	206-44-0	M0
Fluorene	111 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	86-73-7	
Indeno(1,2,3-cd)pyrene	145 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	193-39-5	M0
Naphthalene	150 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	91-20-3	M0
Phenanthrene	752 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	85-01-8	M0
Pyrene	931 ug/kg	69.8	5	02/25/10 13:37	03/04/10 11:35	129-00-0	M0
Nitrobenzene-d5 (S)	95 %	45-126	5	02/25/10 13:37	03/04/10 11:35	4165-60-0	D3
2-Fluorobiphenyl (S)	81 %	48-125	5	02/25/10 13:37	03/04/10 11:35	321-60-8	
Terphenyl-d14 (S)	87 %	67-125	5	02/25/10 13:37	03/04/10 11:35	1718-51-0	

8260 MSV 5030 Med Level

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

Acetone	ND ug/kg	685	1	03/03/10 10:18	03/03/10 18:22	67-64-1	
Allyl chloride	ND ug/kg	274	1	03/03/10 10:18	03/03/10 18:22	107-05-1	
Benzene	72.8 ug/kg	27.4	1	03/03/10 10:18	03/03/10 18:22	71-43-2	
Bromobenzene	ND ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	108-86-1	
Bromochloromethane	ND ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	74-97-5	
Bromodichloromethane	ND ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	75-27-4	
Bromoform	ND ug/kg	548	1	03/03/10 10:18	03/03/10 18:22	75-25-2	
Bromomethane	ND ug/kg	685	1	03/03/10 10:18	03/03/10 18:22	74-83-9	
2-Butanone (MEK)	ND ug/kg	685	1	03/03/10 10:18	03/03/10 18:22	78-93-3	
n-Butylbenzene	ND ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	104-51-8	
sec-Butylbenzene	ND ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	135-98-8	
tert-Butylbenzene	ND ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	98-06-6	
Carbon tetrachloride	ND ug/kg	274	1	03/03/10 10:18	03/03/10 18:22	56-23-5	
Chlorobenzene	ND ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	108-90-7	
Chloroethane	ND ug/kg	685	1	03/03/10 10:18	03/03/10 18:22	75-00-3	
Chloroform	ND ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	67-66-3	
Chloromethane	ND ug/kg	274	1	03/03/10 10:18	03/03/10 18:22	74-87-3	
2-Chlorotoluene	ND ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	95-49-8	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 6 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B1-0-1 **Lab ID: 10123125001** Collected: 02/23/10 11:15 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
4-Chlorotoluene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	274	1	03/03/10 10:18	03/03/10 18:22	96-12-8	
Dibromochloromethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	106-93-4	
Dibromomethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	75-71-8	L1
1,1-Dichloroethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	156-60-5	
Dichlorofluoromethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	75-43-4	
1,2-Dichloropropane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	78-87-5	
1,3-Dichloropropane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	142-28-9	
2,2-Dichloropropane	ND	ug/kg	274	1	03/03/10 10:18	03/03/10 18:22	594-20-7	
1,1-Dichloropropene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	274	1	03/03/10 10:18	03/03/10 18:22	60-29-7	
Ethylbenzene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	274	1	03/03/10 10:18	03/03/10 18:22	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	98-82-8	
p-Isopropyltoluene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	99-87-6	
Methylene Chloride	ND	ug/kg	274	1	03/03/10 10:18	03/03/10 18:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	685	1	03/03/10 10:18	03/03/10 18:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	1634-04-4	
Naphthalene	ND	ug/kg	274	1	03/03/10 10:18	03/03/10 18:22	91-20-3	
n-Propylbenzene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	103-65-1	
Styrene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	79-34-5	
Tetrachloroethene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	127-18-4	
Tetrahydrofuran	ND	ug/kg	685	1	03/03/10 10:18	03/03/10 18:22	109-99-9	
Toluene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	79-00-5	
Trichloroethene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	79-01-6	
Trichlorofluoromethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	95-63-6	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 7 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest
Pace Project No.: 10123125

Sample: B1-0-1 **Lab ID: 10123125001** Collected: 02/23/10 11:15 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
1,3,5-Trimethylbenzene	ND	ug/kg	68.5	1	03/03/10 10:18	03/03/10 18:22	108-67-8	
Vinyl chloride	ND	ug/kg	27.4	1	03/03/10 10:18	03/03/10 18:22	75-01-4	
Xylene (Total)	ND	ug/kg	206	1	03/03/10 10:18	03/03/10 18:22	1330-20-7	
Dibromofluoromethane (S)	81	%	61-139	1	03/03/10 10:18	03/03/10 18:22	1868-53-7	
1,2-Dichloroethane-d4 (S)	79	%	68-136	1	03/03/10 10:18	03/03/10 18:22	17060-07-0	
Toluene-d8 (S)	84	%	68-133	1	03/03/10 10:18	03/03/10 18:22	2037-26-5	
4-Bromofluorobenzene (S)	82	%	68-126	1	03/03/10 10:18	03/03/10 18:22	460-00-4	
9012 Cyanide, Total		Analytical Method: EPA 9012						
Cyanide	ND	mg/kg	0.70	1	03/03/10 15:57	03/03/10 22:42	57-12-5	
9012 Cyanide, Amenable Soil		Analytical Method: EPA 9012						
Amenable Cyanide	ND	mg/kg	0.70	1		03/04/10 00:11	57-12-5	
Total Organic Carbon		Analytical Method: EPA 9060 Modified						
Total Organic Carbon	10200	mg/kg	2040	1		03/08/10 09:39	7440-44-0	
Total Organic Carbon	9180	mg/kg	2130	1		03/08/10 09:44	7440-44-0	
Mean Total Organic Carbon	9700	mg/kg	2080	1		03/08/10 09:44	7440-44-0	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B1-5-8 Lab ID: 10123125002 Collected: 02/23/10 11:40 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Lead	19.8 mg/kg		0.30	1	03/03/10 18:09	03/04/10 12:44	7439-92-1	
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Dry Weight

Analytical Method: % Moisture

Percent Moisture	24.8 %		0.10	1		02/26/10 00:00		
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8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550

Acenaphthene	77.1 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	83-32-9	
Acenaphthylene	74.9 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	208-96-8	
Anthracene	142 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	120-12-7	
Benzo(a)anthracene	360 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	56-55-3	
Benzo(a)pyrene	339 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	50-32-8	
Benzo(b)fluoranthene	425 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	205-99-2	
Benzo(g,h,i)perylene	115 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	191-24-2	
Benzo(k)fluoranthene	130 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	207-08-9	
Chrysene	319 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	218-01-9	
Dibenz(a,h)anthracene	39.0 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	53-70-3	
Fluoranthene	621 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	206-44-0	
Fluorene	77.9 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	86-73-7	
Indeno(1,2,3-cd)pyrene	110 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	193-39-5	
Naphthalene	86.7 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	91-20-3	
Phenanthrene	521 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	85-01-8	
Pyrene	669 ug/kg		26.6	2	02/25/10 13:37	03/04/10 11:55	129-00-0	
Nitrobenzene-d5 (S)	80 %		45-126	2	02/25/10 13:37	03/04/10 11:55	4165-60-0	D3
2-Fluorobiphenyl (S)	77 %		48-125	2	02/25/10 13:37	03/04/10 11:55	321-60-8	
Terphenyl-d14 (S)	83 %		67-125	2	02/25/10 13:37	03/04/10 11:55	1718-51-0	

8260 MSV 5030 Med Level

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

Acetone	ND ug/kg		666	1	03/03/10 10:18	03/03/10 18:42	67-64-1	
Allyl chloride	ND ug/kg		266	1	03/03/10 10:18	03/03/10 18:42	107-05-1	
Benzene	81.0 ug/kg		26.6	1	03/03/10 10:18	03/03/10 18:42	71-43-2	R1
Bromobenzene	ND ug/kg		66.6	1	03/03/10 10:18	03/03/10 18:42	108-86-1	
Bromochloromethane	ND ug/kg		66.6	1	03/03/10 10:18	03/03/10 18:42	74-97-5	
Bromodichloromethane	ND ug/kg		66.6	1	03/03/10 10:18	03/03/10 18:42	75-27-4	
Bromoform	ND ug/kg		533	1	03/03/10 10:18	03/03/10 18:42	75-25-2	
Bromomethane	ND ug/kg		666	1	03/03/10 10:18	03/03/10 18:42	74-83-9	
2-Butanone (MEK)	ND ug/kg		666	1	03/03/10 10:18	03/03/10 18:42	78-93-3	
n-Butylbenzene	ND ug/kg		66.6	1	03/03/10 10:18	03/03/10 18:42	104-51-8	
sec-Butylbenzene	ND ug/kg		66.6	1	03/03/10 10:18	03/03/10 18:42	135-98-8	
tert-Butylbenzene	ND ug/kg		66.6	1	03/03/10 10:18	03/03/10 18:42	98-06-6	
Carbon tetrachloride	ND ug/kg		266	1	03/03/10 10:18	03/03/10 18:42	56-23-5	
Chlorobenzene	ND ug/kg		66.6	1	03/03/10 10:18	03/03/10 18:42	108-90-7	
Chloroethane	ND ug/kg		666	1	03/03/10 10:18	03/03/10 18:42	75-00-3	
Chloroform	ND ug/kg		66.6	1	03/03/10 10:18	03/03/10 18:42	67-66-3	
Chloromethane	ND ug/kg		266	1	03/03/10 10:18	03/03/10 18:42	74-87-3	
2-Chlorotoluene	ND ug/kg		66.6	1	03/03/10 10:18	03/03/10 18:42	95-49-8	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 9 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B1-5-8 **Lab ID: 10123125002** Collected: 02/23/10 11:40 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
4-Chlorotoluene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	266	1	03/03/10 10:18	03/03/10 18:42	96-12-8	
Dibromochloromethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	106-93-4	
Dibromomethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	75-71-8	L1
1,1-Dichloroethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	75-34-3	
1,2-Dichloroethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	107-06-2	
1,1-Dichloroethene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	156-60-5	
Dichlorofluoromethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	75-43-4	
1,2-Dichloropropane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	78-87-5	
1,3-Dichloropropane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	142-28-9	
2,2-Dichloropropane	ND	ug/kg	266	1	03/03/10 10:18	03/03/10 18:42	594-20-7	
1,1-Dichloropropene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	266	1	03/03/10 10:18	03/03/10 18:42	60-29-7	
Ethylbenzene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	266	1	03/03/10 10:18	03/03/10 18:42	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	98-82-8	
p-Isopropyltoluene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	99-87-6	
Methylene Chloride	ND	ug/kg	266	1	03/03/10 10:18	03/03/10 18:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	666	1	03/03/10 10:18	03/03/10 18:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	1634-04-4	
Naphthalene	ND	ug/kg	266	1	03/03/10 10:18	03/03/10 18:42	91-20-3	
n-Propylbenzene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	103-65-1	
Styrene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	79-34-5	
Tetrachloroethene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	127-18-4	
Tetrahydrofuran	ND	ug/kg	666	1	03/03/10 10:18	03/03/10 18:42	109-99-9	
Toluene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	79-00-5	
Trichloroethene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	79-01-6	
Trichlorofluoromethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	95-63-6	

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REPORT OF LABORATORY ANALYSIS

Page 10 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B1-5-8 **Lab ID: 10123125002** Collected: 02/23/10 11:40 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
1,3,5-Trimethylbenzene	ND	ug/kg	66.6	1	03/03/10 10:18	03/03/10 18:42	108-67-8	
Vinyl chloride	ND	ug/kg	26.6	1	03/03/10 10:18	03/03/10 18:42	75-01-4	
Xylene (Total)	ND	ug/kg	200	1	03/03/10 10:18	03/03/10 18:42	1330-20-7	
Dibromofluoromethane (S)	84	%	61-139	1	03/03/10 10:18	03/03/10 18:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	82	%	68-136	1	03/03/10 10:18	03/03/10 18:42	17060-07-0	
Toluene-d8 (S)	85	%	68-133	1	03/03/10 10:18	03/03/10 18:42	2037-26-5	
4-Bromofluorobenzene (S)	83	%	68-126	1	03/03/10 10:18	03/03/10 18:42	460-00-4	
9012 Cyanide, Total		Analytical Method: EPA 9012						
Cyanide	ND	mg/kg	0.67	1	03/03/10 15:57	03/03/10 22:45	57-12-5	
9012 Cyanide, Amenable Soil		Analytical Method: EPA 9012						
Amenable Cyanide	ND	mg/kg	0.67	1		03/04/10 00:11	57-12-5	
Total Organic Carbon		Analytical Method: EPA 9060 Modified						
Total Organic Carbon	5040	mg/kg	2040	1		03/08/10 09:50	7440-44-0	
Total Organic Carbon	3820	mg/kg	2080	1		03/08/10 09:55	7440-44-0	
Mean Total Organic Carbon	4430	mg/kg	2060	1		03/08/10 09:55	7440-44-0	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B1-22-24 **Lab ID: 10123125003** Collected: 02/23/10 01:00 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Lead	1.8 mg/kg		0.30	1	03/03/10 18:09	03/04/10 12:59	7439-92-1	
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Dry Weight

Analytical Method: % Moisture

Percent Moisture	17.8 %		0.10	1		02/26/10 00:00		
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8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550

Acenaphthene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	83-32-9	
Acenaphthylene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	208-96-8	
Anthracene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	120-12-7	
Benzo(a)anthracene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	56-55-3	
Benzo(a)pyrene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	207-08-9	
Chrysene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	53-70-3	
Fluoranthene	21.7 ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	206-44-0	
Fluorene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	193-39-5	
Naphthalene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	91-20-3	
Phenanthrene	ND ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	85-01-8	
Pyrene	39.0 ug/kg		12.2	1	02/25/10 13:37	03/02/10 17:21	129-00-0	
Nitrobenzene-d5 (S)	97 %		45-126	1	02/25/10 13:37	03/02/10 17:21	4165-60-0	
2-Fluorobiphenyl (S)	85 %		48-125	1	02/25/10 13:37	03/02/10 17:21	321-60-8	
Terphenyl-d14 (S)	92 %		67-125	1	02/25/10 13:37	03/02/10 17:21	1718-51-0	

8260 MSV 5030 Med Level

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

Acetone	ND ug/kg		616	1	03/03/10 10:18	03/03/10 19:23	67-64-1	
Allyl chloride	ND ug/kg		246	1	03/03/10 10:18	03/03/10 19:23	107-05-1	
Benzene	ND ug/kg		24.6	1	03/03/10 10:18	03/03/10 19:23	71-43-2	
Bromobenzene	ND ug/kg		61.6	1	03/03/10 10:18	03/03/10 19:23	108-86-1	
Bromochloromethane	ND ug/kg		61.6	1	03/03/10 10:18	03/03/10 19:23	74-97-5	
Bromodichloromethane	ND ug/kg		61.6	1	03/03/10 10:18	03/03/10 19:23	75-27-4	
Bromoform	ND ug/kg		492	1	03/03/10 10:18	03/03/10 19:23	75-25-2	
Bromomethane	ND ug/kg		616	1	03/03/10 10:18	03/03/10 19:23	74-83-9	
2-Butanone (MEK)	ND ug/kg		616	1	03/03/10 10:18	03/03/10 19:23	78-93-3	
n-Butylbenzene	ND ug/kg		61.6	1	03/03/10 10:18	03/03/10 19:23	104-51-8	
sec-Butylbenzene	ND ug/kg		61.6	1	03/03/10 10:18	03/03/10 19:23	135-98-8	
tert-Butylbenzene	ND ug/kg		61.6	1	03/03/10 10:18	03/03/10 19:23	98-06-6	
Carbon tetrachloride	ND ug/kg		246	1	03/03/10 10:18	03/03/10 19:23	56-23-5	
Chlorobenzene	ND ug/kg		61.6	1	03/03/10 10:18	03/03/10 19:23	108-90-7	
Chloroethane	ND ug/kg		616	1	03/03/10 10:18	03/03/10 19:23	75-00-3	
Chloroform	ND ug/kg		61.6	1	03/03/10 10:18	03/03/10 19:23	67-66-3	
Chloromethane	ND ug/kg		246	1	03/03/10 10:18	03/03/10 19:23	74-87-3	
2-Chlorotoluene	ND ug/kg		61.6	1	03/03/10 10:18	03/03/10 19:23	95-49-8	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 12 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B1-22-24 Lab ID: 10123125003 Collected: 02/23/10 01:00 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
4-Chlorotoluene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	246	1	03/03/10 10:18	03/03/10 19:23	96-12-8	
Dibromochloromethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	106-93-4	
Dibromomethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	75-71-8	L1
1,1-Dichloroethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	75-34-3	
1,2-Dichloroethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	107-06-2	
1,1-Dichloroethene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	156-60-5	
Dichlorofluoromethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	75-43-4	
1,2-Dichloropropane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	78-87-5	
1,3-Dichloropropane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	142-28-9	
2,2-Dichloropropane	ND	ug/kg	246	1	03/03/10 10:18	03/03/10 19:23	594-20-7	
1,1-Dichloropropene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	246	1	03/03/10 10:18	03/03/10 19:23	60-29-7	
Ethylbenzene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	246	1	03/03/10 10:18	03/03/10 19:23	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	98-82-8	
p-Isopropyltoluene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	99-87-6	
Methylene Chloride	ND	ug/kg	246	1	03/03/10 10:18	03/03/10 19:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	1634-04-4	
Naphthalene	ND	ug/kg	246	1	03/03/10 10:18	03/03/10 19:23	91-20-3	
n-Propylbenzene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	103-65-1	
Styrene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	79-34-5	
Tetrachloroethene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	127-18-4	
Tetrahydrofuran	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	109-99-9	
Toluene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	79-00-5	
Trichloroethene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	79-01-6	
Trichlorofluoromethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	95-63-6	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 13 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest
Pace Project No.: 10123125

Sample: B1-22-24 **Lab ID: 10123125003** Collected: 02/23/10 01:00 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
1,3,5-Trimethylbenzene	ND	ug/kg	61.6	1	03/03/10 10:18	03/03/10 19:23	108-67-8	
Vinyl chloride	ND	ug/kg	24.6	1	03/03/10 10:18	03/03/10 19:23	75-01-4	
Xylene (Total)	ND	ug/kg	185	1	03/03/10 10:18	03/03/10 19:23	1330-20-7	
Dibromofluoromethane (S)	90	%	61-139	1	03/03/10 10:18	03/03/10 19:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	88	%	68-136	1	03/03/10 10:18	03/03/10 19:23	17060-07-0	
Toluene-d8 (S)	93	%	68-133	1	03/03/10 10:18	03/03/10 19:23	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-126	1	03/03/10 10:18	03/03/10 19:23	460-00-4	
9012 Cyanide, Total		Analytical Method: EPA 9012						
Cyanide	ND	mg/kg	0.60	1	03/03/10 15:57	03/03/10 22:46	57-12-5	
9012 Cyanide, Amenable Soil		Analytical Method: EPA 9012						
Amenable Cyanide	ND	mg/kg	0.61	1		03/04/10 00:11	57-12-5	
Total Organic Carbon		Analytical Method: EPA 9060 Modified						
Total Organic Carbon	1120	mg/kg	990	1		03/08/10 09:59	7440-44-0	
Total Organic Carbon	1840	mg/kg	952	1		03/08/10 10:06	7440-44-0	
Mean Total Organic Carbon	1490	mg/kg	971	1		03/08/10 10:06	7440-44-0	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B2-0-1 **Lab ID: 10123125004** Collected: 02/23/10 02:30 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Lead	53.8 mg/kg		0.30	1	03/03/10 18:09	03/04/10 13:06	7439-92-1	
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Dry Weight

Analytical Method: % Moisture

Percent Moisture	27.5 %		0.10	1		02/26/10 00:00		
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8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550

Acenaphthene	520 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	83-32-9	
Acenaphthylene	ND ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	208-96-8	
Anthracene	969 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	120-12-7	
Benzo(a)anthracene	2110 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	56-55-3	
Benzo(a)pyrene	1740 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	50-32-8	
Benzo(b)fluoranthene	2500 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	205-99-2	
Benzo(g,h,i)perylene	575 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	191-24-2	
Benzo(k)fluoranthene	969 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	207-08-9	
Chrysene	1770 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	218-01-9	
Dibenz(a,h)anthracene	207 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	53-70-3	
Fluoranthene	4540 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	206-44-0	
Fluorene	549 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	86-73-7	
Indeno(1,2,3-cd)pyrene	605 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	193-39-5	
Naphthalene	315 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	91-20-3	
Phenanthrene	4320 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	85-01-8	
Pyrene	3950 ug/kg		138	10	02/25/10 13:37	03/04/10 12:15	129-00-0	
Nitrobenzene-d5 (S)	95 %		45-126	10	02/25/10 13:37	03/04/10 12:15	4165-60-0	D3
2-Fluorobiphenyl (S)	87 %		48-125	10	02/25/10 13:37	03/04/10 12:15	321-60-8	
Terphenyl-d14 (S)	100 %		67-125	10	02/25/10 13:37	03/04/10 12:15	1718-51-0	

8260 MSV 5030 Med Level

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

Acetone	ND ug/kg		679	1	03/03/10 10:18	03/03/10 19:43	67-64-1	
Allyl chloride	ND ug/kg		272	1	03/03/10 10:18	03/03/10 19:43	107-05-1	
Benzene	44.0 ug/kg		27.2	1	03/03/10 10:18	03/03/10 19:43	71-43-2	
Bromobenzene	ND ug/kg		67.9	1	03/03/10 10:18	03/03/10 19:43	108-86-1	
Bromochloromethane	ND ug/kg		67.9	1	03/03/10 10:18	03/03/10 19:43	74-97-5	
Bromodichloromethane	ND ug/kg		67.9	1	03/03/10 10:18	03/03/10 19:43	75-27-4	
Bromoform	ND ug/kg		543	1	03/03/10 10:18	03/03/10 19:43	75-25-2	
Bromomethane	ND ug/kg		679	1	03/03/10 10:18	03/03/10 19:43	74-83-9	
2-Butanone (MEK)	ND ug/kg		679	1	03/03/10 10:18	03/03/10 19:43	78-93-3	
n-Butylbenzene	ND ug/kg		67.9	1	03/03/10 10:18	03/03/10 19:43	104-51-8	
sec-Butylbenzene	ND ug/kg		67.9	1	03/03/10 10:18	03/03/10 19:43	135-98-8	
tert-Butylbenzene	ND ug/kg		67.9	1	03/03/10 10:18	03/03/10 19:43	98-06-6	
Carbon tetrachloride	ND ug/kg		272	1	03/03/10 10:18	03/03/10 19:43	56-23-5	
Chlorobenzene	ND ug/kg		67.9	1	03/03/10 10:18	03/03/10 19:43	108-90-7	
Chloroethane	ND ug/kg		679	1	03/03/10 10:18	03/03/10 19:43	75-00-3	
Chloroform	ND ug/kg		67.9	1	03/03/10 10:18	03/03/10 19:43	67-66-3	
Chloromethane	ND ug/kg		272	1	03/03/10 10:18	03/03/10 19:43	74-87-3	
2-Chlorotoluene	ND ug/kg		67.9	1	03/03/10 10:18	03/03/10 19:43	95-49-8	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 15 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B2-0-1 Lab ID: 10123125004 Collected: 02/23/10 02:30 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
4-Chlorotoluene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	272	1	03/03/10 10:18	03/03/10 19:43	96-12-8	
Dibromochloromethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	106-93-4	
Dibromomethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	75-71-8	L1
1,1-Dichloroethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	156-60-5	
Dichlorofluoromethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	75-43-4	
1,2-Dichloropropane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	272	1	03/03/10 10:18	03/03/10 19:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	272	1	03/03/10 10:18	03/03/10 19:43	60-29-7	
Ethylbenzene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	272	1	03/03/10 10:18	03/03/10 19:43	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	99-87-6	
Methylene Chloride	ND	ug/kg	272	1	03/03/10 10:18	03/03/10 19:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	1634-04-4	
Naphthalene	ND	ug/kg	272	1	03/03/10 10:18	03/03/10 19:43	91-20-3	
n-Propylbenzene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	103-65-1	
Styrene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	79-34-5	
Tetrachloroethene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	127-18-4	
Tetrahydrofuran	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	109-99-9	
Toluene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	79-00-5	
Trichloroethene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	95-63-6	

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REPORT OF LABORATORY ANALYSIS

Page 16 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B2-0-1 **Lab ID: 10123125004** Collected: 02/23/10 02:30 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
1,3,5-Trimethylbenzene	ND	ug/kg	67.9	1	03/03/10 10:18	03/03/10 19:43	108-67-8	
Vinyl chloride	ND	ug/kg	27.2	1	03/03/10 10:18	03/03/10 19:43	75-01-4	
Xylene (Total)	ND	ug/kg	204	1	03/03/10 10:18	03/03/10 19:43	1330-20-7	
Dibromofluoromethane (S)	84	%	61-139	1	03/03/10 10:18	03/03/10 19:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	82	%	68-136	1	03/03/10 10:18	03/03/10 19:43	17060-07-0	
Toluene-d8 (S)	84	%	68-133	1	03/03/10 10:18	03/03/10 19:43	2037-26-5	
4-Bromofluorobenzene (S)	82	%	68-126	1	03/03/10 10:18	03/03/10 19:43	460-00-4	
9012 Cyanide, Total		Analytical Method: EPA 9012						
Cyanide	ND	mg/kg	0.68	1	03/03/10 15:57	03/03/10 22:49	57-12-5	
9012 Cyanide, Amenable Soil		Analytical Method: EPA 9012						
Amenable Cyanide	ND	mg/kg	0.69	1		03/04/10 00:11	57-12-5	
Total Organic Carbon		Analytical Method: EPA 9060 Modified						
Total Organic Carbon	11800	mg/kg	4170	1		03/08/10 10:50	7440-44-0	
Total Organic Carbon	11700	mg/kg	3700	1		03/08/10 10:57	7440-44-0	
Mean Total Organic Carbon	11800	mg/kg	3920	1		03/08/10 10:57	7440-44-0	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B2-1-3 **Lab ID: 10123125005** Collected: 02/23/10 02:45 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Lead	49.3 mg/kg		0.32	1	03/03/10 18:09	03/04/10 13:14	7439-92-1	
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Dry Weight

Analytical Method: % Moisture

Percent Moisture	27.9 %		0.10	1		02/26/10 00:00		
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8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550

Acenaphthene	1040 ug/kg	69.4	5	02/25/10 13:37	03/02/10 18:01	83-32-9	
Acenaphthylene	197 ug/kg	69.4	5	02/25/10 13:37	03/02/10 18:01	208-96-8	
Anthracene	1590 ug/kg	69.4	5	02/25/10 13:37	03/02/10 18:01	120-12-7	
Benzo(a)anthracene	3400 ug/kg	347	25	02/25/10 13:37	03/09/10 12:05	56-55-3	
Benzo(a)pyrene	2680 ug/kg	347	25	02/25/10 13:37	03/09/10 12:05	50-32-8	
Benzo(b)fluoranthene	3060 ug/kg	347	25	02/25/10 13:37	03/09/10 12:05	205-99-2	
Benzo(g,h,i)perylene	1380 ug/kg	69.4	5	02/25/10 13:37	03/02/10 18:01	191-24-2	
Benzo(k)fluoranthene	1230 ug/kg	69.4	5	02/25/10 13:37	03/02/10 18:01	207-08-9	
Chrysene	2510 ug/kg	347	25	02/25/10 13:37	03/09/10 12:05	218-01-9	
Dibenz(a,h)anthracene	464 ug/kg	69.4	5	02/25/10 13:37	03/02/10 18:01	53-70-3	
Fluoranthene	6370 ug/kg	347	25	02/25/10 13:37	03/09/10 12:05	206-44-0	
Fluorene	1100 ug/kg	69.4	5	02/25/10 13:37	03/02/10 18:01	86-73-7	
Indeno(1,2,3-cd)pyrene	1310 ug/kg	69.4	5	02/25/10 13:37	03/02/10 18:01	193-39-5	
Naphthalene	1170 ug/kg	69.4	5	02/25/10 13:37	03/02/10 18:01	91-20-3	
Phenanthrene	6880 ug/kg	347	25	02/25/10 13:37	03/09/10 12:05	85-01-8	
Pyrene	6150 ug/kg	347	25	02/25/10 13:37	03/09/10 12:05	129-00-0	
Nitrobenzene-d5 (S)	73 %	45-126	5	02/25/10 13:37	03/02/10 18:01	4165-60-0	D3
2-Fluorobiphenyl (S)	75 %	48-125	5	02/25/10 13:37	03/02/10 18:01	321-60-8	
Terphenyl-d14 (S)	83 %	67-125	5	02/25/10 13:37	03/02/10 18:01	1718-51-0	

8260 MSV 5030 Med Level

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

Acetone	ND ug/kg	711	1	03/03/10 10:18	03/03/10 20:03	67-64-1	
Allyl chloride	ND ug/kg	284	1	03/03/10 10:18	03/03/10 20:03	107-05-1	
Benzene	44.3 ug/kg	28.4	1	03/03/10 10:18	03/03/10 20:03	71-43-2	
Bromobenzene	ND ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	108-86-1	
Bromochloromethane	ND ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	74-97-5	
Bromodichloromethane	ND ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	75-27-4	
Bromoform	ND ug/kg	569	1	03/03/10 10:18	03/03/10 20:03	75-25-2	
Bromomethane	ND ug/kg	711	1	03/03/10 10:18	03/03/10 20:03	74-83-9	
2-Butanone (MEK)	ND ug/kg	711	1	03/03/10 10:18	03/03/10 20:03	78-93-3	
n-Butylbenzene	ND ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	104-51-8	
sec-Butylbenzene	ND ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	135-98-8	
tert-Butylbenzene	ND ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	98-06-6	
Carbon tetrachloride	ND ug/kg	284	1	03/03/10 10:18	03/03/10 20:03	56-23-5	
Chlorobenzene	ND ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	108-90-7	
Chloroethane	ND ug/kg	711	1	03/03/10 10:18	03/03/10 20:03	75-00-3	
Chloroform	ND ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	67-66-3	
Chloromethane	ND ug/kg	284	1	03/03/10 10:18	03/03/10 20:03	74-87-3	
2-Chlorotoluene	ND ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	95-49-8	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 18 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B2-1-3 **Lab ID: 10123125005** Collected: 02/23/10 02:45 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
4-Chlorotoluene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	284	1	03/03/10 10:18	03/03/10 20:03	96-12-8	
Dibromochloromethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	106-93-4	
Dibromomethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	75-71-8	L1
1,1-Dichloroethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	156-60-5	
Dichlorofluoromethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	75-43-4	
1,2-Dichloropropane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	284	1	03/03/10 10:18	03/03/10 20:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	284	1	03/03/10 10:18	03/03/10 20:03	60-29-7	
Ethylbenzene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	284	1	03/03/10 10:18	03/03/10 20:03	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	99-87-6	
Methylene Chloride	ND	ug/kg	284	1	03/03/10 10:18	03/03/10 20:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	711	1	03/03/10 10:18	03/03/10 20:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	1634-04-4	
Naphthalene	ND	ug/kg	284	1	03/03/10 10:18	03/03/10 20:03	91-20-3	
n-Propylbenzene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	103-65-1	
Styrene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	79-34-5	
Tetrachloroethene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	127-18-4	
Tetrahydrofuran	ND	ug/kg	711	1	03/03/10 10:18	03/03/10 20:03	109-99-9	
Toluene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	79-00-5	
Trichloroethene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	95-63-6	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 19 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B2-1-3 **Lab ID: 10123125005** Collected: 02/23/10 02:45 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
1,3,5-Trimethylbenzene	ND	ug/kg	71.1	1	03/03/10 10:18	03/03/10 20:03	108-67-8	
Vinyl chloride	ND	ug/kg	28.4	1	03/03/10 10:18	03/03/10 20:03	75-01-4	
Xylene (Total)	ND	ug/kg	213	1	03/03/10 10:18	03/03/10 20:03	1330-20-7	
Dibromofluoromethane (S)	88	%	61-139	1	03/03/10 10:18	03/03/10 20:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	84	%	68-136	1	03/03/10 10:18	03/03/10 20:03	17060-07-0	
Toluene-d8 (S)	88	%	68-133	1	03/03/10 10:18	03/03/10 20:03	2037-26-5	
4-Bromofluorobenzene (S)	87	%	68-126	1	03/03/10 10:18	03/03/10 20:03	460-00-4	
9012 Cyanide, Total		Analytical Method: EPA 9012						
Cyanide	ND	mg/kg	0.69	1	03/03/10 15:57	03/03/10 22:50	57-12-5	
9012 Cyanide, Amenable Soil		Analytical Method: EPA 9012						
Amenable Cyanide	ND	mg/kg	0.69	1		03/04/10 00:11	57-12-5	
Total Organic Carbon		Analytical Method: EPA 9060 Modified						
Total Organic Carbon	60800	mg/kg	10000	1		03/08/10 11:10	7440-44-0	
Total Organic Carbon	41100	mg/kg	8330	1		03/08/10 11:15	7440-44-0	
Mean Total Organic Carbon	50100	mg/kg	9090	1		03/08/10 11:15	7440-44-0	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B3-0-2 Lab ID: 10123125006 Collected: 02/23/10 04:45 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Lead	39.6 mg/kg		0.30	1	03/03/10 18:09	03/04/10 13:21	7439-92-1	
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Dry Weight

Analytical Method: % Moisture

Percent Moisture	20.4 %		0.10	1		02/26/10 00:00		
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8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550

Acenaphthene	1570 ug/kg		62.8	5	02/25/10 13:37	03/02/10 18:21	83-32-9	
Acenaphthylene	93.4 ug/kg		62.8	5	02/25/10 13:37	03/02/10 18:21	208-96-8	
Anthracene	3500 ug/kg		628	50	02/25/10 13:37	03/04/10 12:35	120-12-7	
Benzo(a)anthracene	5070 ug/kg		628	50	02/25/10 13:37	03/04/10 12:35	56-55-3	
Benzo(a)pyrene	3930 ug/kg		628	50	02/25/10 13:37	03/04/10 12:35	50-32-8	
Benzo(b)fluoranthene	5090 ug/kg		628	50	02/25/10 13:37	03/04/10 12:35	205-99-2	
Benzo(g,h,i)perylene	1810 ug/kg		62.8	5	02/25/10 13:37	03/02/10 18:21	191-24-2	
Benzo(k)fluoranthene	1790 ug/kg		62.8	5	02/25/10 13:37	03/02/10 18:21	207-08-9	
Chrysene	3900 ug/kg		628	50	02/25/10 13:37	03/04/10 12:35	218-01-9	
Dibenz(a,h)anthracene	592 ug/kg		62.8	5	02/25/10 13:37	03/02/10 18:21	53-70-3	
Fluoranthene	10600 ug/kg		628	50	02/25/10 13:37	03/04/10 12:35	206-44-0	
Fluorene	1850 ug/kg		62.8	5	02/25/10 13:37	03/02/10 18:21	86-73-7	
Indeno(1,2,3-cd)pyrene	1720 ug/kg		62.8	5	02/25/10 13:37	03/02/10 18:21	193-39-5	
Naphthalene	430 ug/kg		62.8	5	02/25/10 13:37	03/02/10 18:21	91-20-3	
Phenanthrene	12600 ug/kg		628	50	02/25/10 13:37	03/04/10 12:35	85-01-8	
Pyrene	9600 ug/kg		628	50	02/25/10 13:37	03/04/10 12:35	129-00-0	
Nitrobenzene-d5 (S)	82 %		45-126	5	02/25/10 13:37	03/02/10 18:21	4165-60-0	D3
2-Fluorobiphenyl (S)	69 %		48-125	5	02/25/10 13:37	03/02/10 18:21	321-60-8	
Terphenyl-d14 (S)	83 %		67-125	5	02/25/10 13:37	03/02/10 18:21	1718-51-0	

8260 MSV 5030 Med Level

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

Acetone	ND ug/kg		641	1	03/03/10 10:18	03/03/10 20:24	67-64-1	
Allyl chloride	ND ug/kg		256	1	03/03/10 10:18	03/03/10 20:24	107-05-1	
Benzene	62.0 ug/kg		25.6	1	03/03/10 10:18	03/03/10 20:24	71-43-2	
Bromobenzene	ND ug/kg		64.1	1	03/03/10 10:18	03/03/10 20:24	108-86-1	
Bromochloromethane	ND ug/kg		64.1	1	03/03/10 10:18	03/03/10 20:24	74-97-5	
Bromodichloromethane	ND ug/kg		64.1	1	03/03/10 10:18	03/03/10 20:24	75-27-4	
Bromoform	ND ug/kg		513	1	03/03/10 10:18	03/03/10 20:24	75-25-2	
Bromomethane	ND ug/kg		641	1	03/03/10 10:18	03/03/10 20:24	74-83-9	
2-Butanone (MEK)	ND ug/kg		641	1	03/03/10 10:18	03/03/10 20:24	78-93-3	
n-Butylbenzene	80.2 ug/kg		64.1	1	03/03/10 10:18	03/03/10 20:24	104-51-8	
sec-Butylbenzene	ND ug/kg		64.1	1	03/03/10 10:18	03/03/10 20:24	135-98-8	
tert-Butylbenzene	ND ug/kg		64.1	1	03/03/10 10:18	03/03/10 20:24	98-06-6	
Carbon tetrachloride	ND ug/kg		256	1	03/03/10 10:18	03/03/10 20:24	56-23-5	
Chlorobenzene	ND ug/kg		64.1	1	03/03/10 10:18	03/03/10 20:24	108-90-7	
Chloroethane	ND ug/kg		641	1	03/03/10 10:18	03/03/10 20:24	75-00-3	
Chloroform	ND ug/kg		64.1	1	03/03/10 10:18	03/03/10 20:24	67-66-3	
Chloromethane	ND ug/kg		256	1	03/03/10 10:18	03/03/10 20:24	74-87-3	
2-Chlorotoluene	ND ug/kg		64.1	1	03/03/10 10:18	03/03/10 20:24	95-49-8	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B3-0-2 Lab ID: 10123125006 Collected: 02/23/10 04:45 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
4-Chlorotoluene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	256	1	03/03/10 10:18	03/03/10 20:24	96-12-8	
Dibromochloromethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	106-93-4	
Dibromomethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	75-71-8	L1
1,1-Dichloroethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	107-06-2	
1,1-Dichloroethene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	156-60-5	
Dichlorofluoromethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	75-43-4	
1,2-Dichloropropane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	256	1	03/03/10 10:18	03/03/10 20:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	256	1	03/03/10 10:18	03/03/10 20:24	60-29-7	
Ethylbenzene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	256	1	03/03/10 10:18	03/03/10 20:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	99-87-6	
Methylene Chloride	ND	ug/kg	256	1	03/03/10 10:18	03/03/10 20:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	1634-04-4	
Naphthalene	ND	ug/kg	256	1	03/03/10 10:18	03/03/10 20:24	91-20-3	
n-Propylbenzene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	103-65-1	
Styrene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	79-34-5	
Tetrachloroethene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	127-18-4	
Tetrahydrofuran	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	109-99-9	
Toluene	94.7	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	79-00-5	
Trichloroethene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	75-69-4	
1,2,3-Trichloropropane	97.1	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	76-13-1	
1,2,4-Trimethylbenzene	409	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	95-63-6	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 22 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest
Pace Project No.: 10123125

Sample: B3-0-2 **Lab ID: 10123125006** Collected: 02/23/10 04:45 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
1,3,5-Trimethylbenzene	ND	ug/kg	64.1	1	03/03/10 10:18	03/03/10 20:24	108-67-8	
Vinyl chloride	ND	ug/kg	25.6	1	03/03/10 10:18	03/03/10 20:24	75-01-4	
Xylene (Total)	ND	ug/kg	192	1	03/03/10 10:18	03/03/10 20:24	1330-20-7	
Dibromofluoromethane (S)	93	%	61-139	1	03/03/10 10:18	03/03/10 20:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	91	%	68-136	1	03/03/10 10:18	03/03/10 20:24	17060-07-0	
Toluene-d8 (S)	93	%	68-133	1	03/03/10 10:18	03/03/10 20:24	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-126	1	03/03/10 10:18	03/03/10 20:24	460-00-4	
9012 Cyanide, Total		Analytical Method: EPA 9012						
Cyanide	ND	mg/kg	0.63	1	03/03/10 15:57	03/03/10 22:51	57-12-5	
9012 Cyanide, Amenable Soil		Analytical Method: EPA 9012						
Amenable Cyanide	ND	mg/kg	0.63	1		03/04/10 00:11	57-12-5	
Total Organic Carbon		Analytical Method: EPA 9060 Modified						
Total Organic Carbon	32400	mg/kg	5000	1		03/08/10 11:21	7440-44-0	
Total Organic Carbon	31800	mg/kg	5000	1		03/08/10 11:27	7440-44-0	
Mean Total Organic Carbon	32100	mg/kg	5000	1		03/08/10 11:27	7440-44-0	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B3-2-4 **Lab ID: 10123125007** Collected: 02/23/10 05:30 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	27.4	mg/kg	0.31	1	03/03/10 18:09	03/04/10 13:28	7439-92-1	
Dry Weight		Analytical Method: % Moisture						
Percent Moisture	31.3	%	0.10	1		02/26/10 00:00		
8270 MSSV PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550						
Acenaphthene	3410	ug/kg	146	10	02/25/10 13:37	03/03/10 15:03	83-32-9	
Acenaphthylene	554	ug/kg	146	10	02/25/10 13:37	03/03/10 15:03	208-96-8	
Anthracene	3500	ug/kg	146	10	02/25/10 13:37	03/03/10 15:03	120-12-7	
Benzo(a)anthracene	8020	ug/kg	728	50	02/25/10 13:37	03/09/10 12:25	56-55-3	
Benzo(a)pyrene	6720	ug/kg	728	50	02/25/10 13:37	03/09/10 12:25	50-32-8	
Benzo(b)fluoranthene	9490	ug/kg	728	50	02/25/10 13:37	03/09/10 12:25	205-99-2	
Benzo(g,h,i)perylene	3070	ug/kg	146	10	02/25/10 13:37	03/03/10 15:03	191-24-2	
Benzo(k)fluoranthene	3400	ug/kg	146	10	02/25/10 13:37	03/03/10 15:03	207-08-9	
Chrysene	7550	ug/kg	728	50	02/25/10 13:37	03/09/10 12:25	218-01-9	
Dibenz(a,h)anthracene	1070	ug/kg	146	10	02/25/10 13:37	03/03/10 15:03	53-70-3	
Fluoranthene	19100	ug/kg	728	50	02/25/10 13:37	03/09/10 12:25	206-44-0	
Fluorene	2920	ug/kg	146	10	02/25/10 13:37	03/03/10 15:03	86-73-7	
Indeno(1,2,3-cd)pyrene	2870	ug/kg	146	10	02/25/10 13:37	03/03/10 15:03	193-39-5	
Naphthalene	3620	ug/kg	146	10	02/25/10 13:37	03/03/10 15:03	91-20-3	
Phenanthrene	21300	ug/kg	728	50	02/25/10 13:37	03/09/10 12:25	85-01-8	
Pyrene	17700	ug/kg	728	50	02/25/10 13:37	03/09/10 12:25	129-00-0	
Nitrobenzene-d5 (S)	0	%	45-126	10	02/25/10 13:37	03/03/10 15:03	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	48-125	10	02/25/10 13:37	03/03/10 15:03	321-60-8	S4
Terphenyl-d14 (S)	0	%	67-125	10	02/25/10 13:37	03/03/10 15:03	1718-51-0	S4
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
Acetone	ND	ug/kg	731	1	03/03/10 10:18	03/03/10 20:44	67-64-1	
Allyl chloride	ND	ug/kg	292	1	03/03/10 10:18	03/03/10 20:44	107-05-1	
Benzene	120	ug/kg	29.2	1	03/03/10 10:18	03/03/10 20:44	71-43-2	
Bromobenzene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	108-86-1	
Bromochloromethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	74-97-5	
Bromodichloromethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	75-27-4	
Bromoform	ND	ug/kg	585	1	03/03/10 10:18	03/03/10 20:44	75-25-2	
Bromomethane	ND	ug/kg	731	1	03/03/10 10:18	03/03/10 20:44	74-83-9	
2-Butanone (MEK)	ND	ug/kg	731	1	03/03/10 10:18	03/03/10 20:44	78-93-3	
n-Butylbenzene	293	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	104-51-8	
sec-Butylbenzene	124	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	135-98-8	
tert-Butylbenzene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	98-06-6	
Carbon tetrachloride	ND	ug/kg	292	1	03/03/10 10:18	03/03/10 20:44	56-23-5	
Chlorobenzene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	108-90-7	
Chloroethane	ND	ug/kg	731	1	03/03/10 10:18	03/03/10 20:44	75-00-3	
Chloroform	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	67-66-3	
Chloromethane	ND	ug/kg	292	1	03/03/10 10:18	03/03/10 20:44	74-87-3	
2-Chlorotoluene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	95-49-8	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 24 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B3-2-4 Lab ID: 10123125007 Collected: 02/23/10 05:30 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
4-Chlorotoluene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	292	1	03/03/10 10:18	03/03/10 20:44	96-12-8	
Dibromochloromethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	106-93-4	
Dibromomethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	75-71-8	L1
1,1-Dichloroethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	75-34-3	
1,2-Dichloroethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	107-06-2	
1,1-Dichloroethene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	156-60-5	
Dichlorofluoromethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	75-43-4	
1,2-Dichloropropane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	78-87-5	
1,3-Dichloropropane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	142-28-9	
2,2-Dichloropropane	ND	ug/kg	292	1	03/03/10 10:18	03/03/10 20:44	594-20-7	
1,1-Dichloropropene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	292	1	03/03/10 10:18	03/03/10 20:44	60-29-7	
Ethylbenzene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	292	1	03/03/10 10:18	03/03/10 20:44	87-68-3	
Isopropylbenzene (Cumene)	127	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	98-82-8	
p-Isopropyltoluene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	99-87-6	
Methylene Chloride	ND	ug/kg	292	1	03/03/10 10:18	03/03/10 20:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	731	1	03/03/10 10:18	03/03/10 20:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	1634-04-4	
Naphthalene	ND	ug/kg	292	1	03/03/10 10:18	03/03/10 20:44	91-20-3	
n-Propylbenzene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	103-65-1	
Styrene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	79-34-5	
Tetrachloroethene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	127-18-4	
Tetrahydrofuran	ND	ug/kg	731	1	03/03/10 10:18	03/03/10 20:44	109-99-9	
Toluene	141	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	79-00-5	
Trichloroethene	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	79-01-6	
Trichlorofluoromethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	75-69-4	
1,2,3-Trichloropropane	86.0	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	76-13-1	
1,2,4-Trimethylbenzene	1460	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	95-63-6	

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REPORT OF LABORATORY ANALYSIS

Page 25 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest
Pace Project No.: 10123125

Sample: B3-2-4 **Lab ID: 10123125007** Collected: 02/23/10 05:30 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
1,3,5-Trimethylbenzene	468	ug/kg	73.1	1	03/03/10 10:18	03/03/10 20:44	108-67-8	
Vinyl chloride	ND	ug/kg	29.2	1	03/03/10 10:18	03/03/10 20:44	75-01-4	
Xylene (Total)	615	ug/kg	219	1	03/03/10 10:18	03/03/10 20:44	1330-20-7	
Dibromofluoromethane (S)	80	%	61-139	1	03/03/10 10:18	03/03/10 20:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	78	%	68-136	1	03/03/10 10:18	03/03/10 20:44	17060-07-0	
Toluene-d8 (S)	76	%	68-133	1	03/03/10 10:18	03/03/10 20:44	2037-26-5	
4-Bromofluorobenzene (S)	74	%	68-126	1	03/03/10 10:18	03/03/10 20:44	460-00-4	
9012 Cyanide, Total		Analytical Method: EPA 9012						
Cyanide	ND	mg/kg	0.72	1	03/03/10 15:57	03/03/10 22:52	57-12-5	
9012 Cyanide, Amenable Soil		Analytical Method: EPA 9012						
Amenable Cyanide	ND	mg/kg	0.73	1		03/04/10 00:11	57-12-5	
Total Organic Carbon		Analytical Method: EPA 9060 Modified						
Total Organic Carbon	86500	mg/kg	11100	1		03/08/10 11:41	7440-44-0	
Total Organic Carbon	41300	mg/kg	14300	1		03/08/10 11:47	7440-44-0	
Mean Total Organic Carbon	66700	mg/kg	12500	1		03/08/10 11:47	7440-44-0	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B3-10-14 **Lab ID: 10123125008** Collected: 02/23/10 06:15 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Lead	2.8	mg/kg	0.29	1	03/03/10 18:09	03/04/10 13:34	7439-92-1	
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Dry Weight

Analytical Method: % Moisture

Percent Moisture	18.5	%	0.10	1		02/26/10 00:00		
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8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550

Acenaphthene	12.5	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	83-32-9	
Acenaphthylene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	208-96-8	
Anthracene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	207-08-9	
Chrysene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	53-70-3	
Fluoranthene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	206-44-0	
Fluorene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	193-39-5	
Naphthalene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	91-20-3	
Phenanthrene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	85-01-8	
Pyrene	ND	ug/kg	12.3	1	02/25/10 13:37	03/02/10 17:41	129-00-0	
Nitrobenzene-d5 (S)	100	%	45-126	1	02/25/10 13:37	03/02/10 17:41	4165-60-0	
2-Fluorobiphenyl (S)	84	%	48-125	1	02/25/10 13:37	03/02/10 17:41	321-60-8	
Terphenyl-d14 (S)	88	%	67-125	1	02/25/10 13:37	03/02/10 17:41	1718-51-0	

8260 MSV 5030 Med Level

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

Acetone	ND	ug/kg	613	1	03/03/10 10:18	03/03/10 21:04	67-64-1	
Allyl chloride	ND	ug/kg	245	1	03/03/10 10:18	03/03/10 21:04	107-05-1	
Benzene	ND	ug/kg	24.5	1	03/03/10 10:18	03/03/10 21:04	71-43-2	
Bromobenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	108-86-1	
Bromochloromethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	74-97-5	
Bromodichloromethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	75-27-4	
Bromoform	ND	ug/kg	490	1	03/03/10 10:18	03/03/10 21:04	75-25-2	
Bromomethane	ND	ug/kg	613	1	03/03/10 10:18	03/03/10 21:04	74-83-9	
2-Butanone (MEK)	ND	ug/kg	613	1	03/03/10 10:18	03/03/10 21:04	78-93-3	
n-Butylbenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	104-51-8	
sec-Butylbenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	245	1	03/03/10 10:18	03/03/10 21:04	56-23-5	
Chlorobenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	108-90-7	
Chloroethane	ND	ug/kg	613	1	03/03/10 10:18	03/03/10 21:04	75-00-3	
Chloroform	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	67-66-3	
Chloromethane	ND	ug/kg	245	1	03/03/10 10:18	03/03/10 21:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	95-49-8	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 27 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B3-10-14 **Lab ID: 10123125008** Collected: 02/23/10 06:15 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
4-Chlorotoluene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	245	1	03/03/10 10:18	03/03/10 21:04	96-12-8	
Dibromochloromethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	106-93-4	
Dibromomethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	75-71-8	L1
1,1-Dichloroethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	156-60-5	
Dichlorofluoromethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	75-43-4	
1,2-Dichloropropane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	245	1	03/03/10 10:18	03/03/10 21:04	594-20-7	
1,1-Dichloropropene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	245	1	03/03/10 10:18	03/03/10 21:04	60-29-7	
Ethylbenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	245	1	03/03/10 10:18	03/03/10 21:04	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	99-87-6	
Methylene Chloride	ND	ug/kg	245	1	03/03/10 10:18	03/03/10 21:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	1634-04-4	
Naphthalene	ND	ug/kg	245	1	03/03/10 10:18	03/03/10 21:04	91-20-3	
n-Propylbenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	103-65-1	
Styrene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	79-34-5	
Tetrachloroethene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	127-18-4	
Tetrahydrofuran	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	109-99-9	
Toluene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	79-00-5	
Trichloroethene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	95-63-6	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 28 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B3-10-14 **Lab ID: 10123125008** Collected: 02/23/10 06:15 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
1,3,5-Trimethylbenzene	ND	ug/kg	61.3	1	03/03/10 10:18	03/03/10 21:04	108-67-8	
Vinyl chloride	ND	ug/kg	24.5	1	03/03/10 10:18	03/03/10 21:04	75-01-4	
Xylene (Total)	ND	ug/kg	184	1	03/03/10 10:18	03/03/10 21:04	1330-20-7	
Dibromofluoromethane (S)	85	%	61-139	1	03/03/10 10:18	03/03/10 21:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	84	%	68-136	1	03/03/10 10:18	03/03/10 21:04	17060-07-0	
Toluene-d8 (S)	87	%	68-133	1	03/03/10 10:18	03/03/10 21:04	2037-26-5	
4-Bromofluorobenzene (S)	87	%	68-126	1	03/03/10 10:18	03/03/10 21:04	460-00-4	
9012 Cyanide, Total		Analytical Method: EPA 9012						
Cyanide	1.2	mg/kg	0.60	1	03/03/10 15:57	03/03/10 22:53	57-12-5	
9012 Cyanide, Amenable Soil		Analytical Method: EPA 9012						
Amenable Cyanide	0.61	mg/kg	0.61	1		03/05/10 14:29	57-12-5	
Total Organic Carbon		Analytical Method: EPA 9060 Modified						
Total Organic Carbon	6500	mg/kg	4000	1		03/08/10 11:51	7440-44-0	
Total Organic Carbon	6250	mg/kg	3700	1		03/08/10 11:54	7440-44-0	
Mean Total Organic Carbon	6370	mg/kg	3850	1		03/08/10 11:54	7440-44-0	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B4-0-2 **Lab ID: 10123125009** Collected: 02/24/10 12:30 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Lead	72.5 mg/kg		0.46	1	03/03/10 18:09	03/04/10 13:41	7439-92-1	
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Dry Weight

Analytical Method: % Moisture

Percent Moisture	41.0 %		0.10	1		02/26/10 00:00		
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8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550

Acenaphthene	42500 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	83-32-9	
Acenaphthylene	1460 ug/kg		170	10	02/25/10 13:37	03/03/10 15:23	208-96-8	
Anthracene	72400 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	120-12-7	
Benzo(a)anthracene	91400 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	56-55-3	
Benzo(a)pyrene	55100 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	50-32-8	
Benzo(b)fluoranthene	81600 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	205-99-2	
Benzo(g,h,i)perylene	20900 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	191-24-2	
Benzo(k)fluoranthene	23600 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	207-08-9	
Chrysene	66500 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	218-01-9	
Dibenz(a,h)anthracene	9070 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	53-70-3	
Fluoranthene	179000 ug/kg		6780	400	02/25/10 13:37	03/04/10 12:55	206-44-0	
Fluorene	47200 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	86-73-7	
Indeno(1,2,3-cd)pyrene	22000 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	193-39-5	
Naphthalene	40800 ug/kg		3390	200	02/25/10 13:37	03/09/10 15:39	91-20-3	
Phenanthrene	253000 ug/kg		13600	800	02/25/10 13:37	03/04/10 14:27	85-01-8	
Pyrene	152000 ug/kg		6780	400	02/25/10 13:37	03/04/10 12:55	129-00-0	
Nitrobenzene-d5 (S)	0 %		45-126	10	02/25/10 13:37	03/03/10 15:23	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0 %		48-125	10	02/25/10 13:37	03/03/10 15:23	321-60-8	S4
Terphenyl-d14 (S)	0 %		67-125	10	02/25/10 13:37	03/03/10 15:23	1718-51-0	S4

8260 MSV 5030 Med Level

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

Acetone	ND ug/kg		842	1	03/03/10 10:18	03/03/10 21:25	67-64-1	
Allyl chloride	ND ug/kg		337	1	03/03/10 10:18	03/03/10 21:25	107-05-1	
Benzene	448 ug/kg		33.7	1	03/03/10 10:18	03/03/10 21:25	71-43-2	
Bromobenzene	ND ug/kg		84.2	1	03/03/10 10:18	03/03/10 21:25	108-86-1	
Bromochloromethane	ND ug/kg		84.2	1	03/03/10 10:18	03/03/10 21:25	74-97-5	
Bromodichloromethane	ND ug/kg		84.2	1	03/03/10 10:18	03/03/10 21:25	75-27-4	
Bromoform	ND ug/kg		674	1	03/03/10 10:18	03/03/10 21:25	75-25-2	
Bromomethane	ND ug/kg		842	1	03/03/10 10:18	03/03/10 21:25	74-83-9	
2-Butanone (MEK)	ND ug/kg		842	1	03/03/10 10:18	03/03/10 21:25	78-93-3	
n-Butylbenzene	306 ug/kg		84.2	1	03/03/10 10:18	03/03/10 21:25	104-51-8	
sec-Butylbenzene	ND ug/kg		84.2	1	03/03/10 10:18	03/03/10 21:25	135-98-8	
tert-Butylbenzene	ND ug/kg		84.2	1	03/03/10 10:18	03/03/10 21:25	98-06-6	
Carbon tetrachloride	ND ug/kg		337	1	03/03/10 10:18	03/03/10 21:25	56-23-5	
Chlorobenzene	ND ug/kg		84.2	1	03/03/10 10:18	03/03/10 21:25	108-90-7	
Chloroethane	ND ug/kg		842	1	03/03/10 10:18	03/03/10 21:25	75-00-3	
Chloroform	ND ug/kg		84.2	1	03/03/10 10:18	03/03/10 21:25	67-66-3	
Chloromethane	ND ug/kg		337	1	03/03/10 10:18	03/03/10 21:25	74-87-3	
2-Chlorotoluene	ND ug/kg		84.2	1	03/03/10 10:18	03/03/10 21:25	95-49-8	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B4-0-2 Lab ID: 10123125009 Collected: 02/24/10 12:30 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
4-Chlorotoluene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	337	1	03/03/10 10:18	03/03/10 21:25	96-12-8	
Dibromochloromethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	106-93-4	
Dibromomethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	75-71-8	L1
1,1-Dichloroethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	156-60-5	
Dichlorofluoromethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	75-43-4	
1,2-Dichloropropane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	337	1	03/03/10 10:18	03/03/10 21:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	337	1	03/03/10 10:18	03/03/10 21:25	60-29-7	
Ethylbenzene	244	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	337	1	03/03/10 10:18	03/03/10 21:25	87-68-3	
Isopropylbenzene (Cumene)	176	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	98-82-8	
p-Isopropyltoluene	178	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	99-87-6	
Methylene Chloride	ND	ug/kg	337	1	03/03/10 10:18	03/03/10 21:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	1634-04-4	
Naphthalene	8390	ug/kg	337	1	03/03/10 10:18	03/03/10 21:25	91-20-3	
n-Propylbenzene	126	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	103-65-1	
Styrene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	79-34-5	
Tetrachloroethene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	127-18-4	
Tetrahydrofuran	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	109-99-9	
Toluene	360	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	79-00-5	
Trichloroethene	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	76-13-1	
1,2,4-Trimethylbenzene	1450	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	95-63-6	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 31 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B4-0-2 **Lab ID: 10123125009** Collected: 02/24/10 12:30 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
1,3,5-Trimethylbenzene	471	ug/kg	84.2	1	03/03/10 10:18	03/03/10 21:25	108-67-8	
Vinyl chloride	ND	ug/kg	33.7	1	03/03/10 10:18	03/03/10 21:25	75-01-4	
Xylene (Total)	538	ug/kg	253	1	03/03/10 10:18	03/03/10 21:25	1330-20-7	
Dibromofluoromethane (S)	86	%	61-139	1	03/03/10 10:18	03/03/10 21:25	1868-53-7	
1,2-Dichloroethane-d4 (S)	85	%	68-136	1	03/03/10 10:18	03/03/10 21:25	17060-07-0	
Toluene-d8 (S)	87	%	68-133	1	03/03/10 10:18	03/03/10 21:25	2037-26-5	
4-Bromofluorobenzene (S)	86	%	68-126	1	03/03/10 10:18	03/03/10 21:25	460-00-4	
9012 Cyanide, Total		Analytical Method: EPA 9012						
Cyanide	ND	mg/kg	0.85	1	03/03/10 15:57	03/03/10 22:54	57-12-5	
9012 Cyanide, Amenable Soil		Analytical Method: EPA 9012						
Amenable Cyanide	ND	mg/kg	0.85	1		03/04/10 00:11	57-12-5	
Total Organic Carbon		Analytical Method: EPA 9060 Modified						
Total Organic Carbon	40600	mg/kg	14300	1		03/08/10 12:05	7440-44-0	
Total Organic Carbon	70800	mg/kg	16700	1		03/08/10 12:11	7440-44-0	
Mean Total Organic Carbon	54600	mg/kg	15400	1		03/08/10 12:11	7440-44-0	

ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B4-6-7 **Lab ID: 10123125010** Collected: 02/24/10 01:15 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Lead	205 mg/kg		0.39	1	03/03/10 18:09	03/04/10 13:52	7439-92-1	M0
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Dry Weight

Analytical Method: % Moisture

Percent Moisture	35.9 %		0.10	1		02/26/10 00:00		
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8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550

Acenaphthene	12300 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	83-32-9	
Acenaphthylene	1230 ug/kg		156	10	02/25/10 13:37	03/03/10 15:43	208-96-8	
Anthracene	14200 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	120-12-7	
Benzo(a)anthracene	22700 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	56-55-3	
Benzo(a)pyrene	17100 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	50-32-8	
Benzo(b)fluoranthene	22700 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	205-99-2	
Benzo(g,h,i)perylene	4690 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	191-24-2	
Benzo(k)fluoranthene	8850 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	207-08-9	
Chrysene	17800 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	218-01-9	
Dibenz(a,h)anthracene	2260 ug/kg		156	10	02/25/10 13:37	03/03/10 15:43	53-70-3	
Fluoranthene	49000 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	206-44-0	
Fluorene	10300 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	86-73-7	
Indeno(1,2,3-cd)pyrene	4920 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	193-39-5	
Naphthalene	11300 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	91-20-3	
Phenanthrene	65100 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	85-01-8	
Pyrene	45800 ug/kg		3120	200	02/25/10 13:37	03/04/10 13:15	129-00-0	
Nitrobenzene-d5 (S)	0 %		45-126	10	02/25/10 13:37	03/03/10 15:43	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0 %		48-125	10	02/25/10 13:37	03/03/10 15:43	321-60-8	S4
Terphenyl-d14 (S)	0 %		67-125	10	02/25/10 13:37	03/03/10 15:43	1718-51-0	S4

8260 MSV 5030 Med Level

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

Acetone	ND ug/kg		760	1	03/03/10 10:18	03/03/10 21:45	67-64-1	
Allyl chloride	ND ug/kg		304	1	03/03/10 10:18	03/03/10 21:45	107-05-1	
Benzene	38.0 ug/kg		30.4	1	03/03/10 10:18	03/03/10 21:45	71-43-2	
Bromobenzene	ND ug/kg		76.0	1	03/03/10 10:18	03/03/10 21:45	108-86-1	
Bromochloromethane	ND ug/kg		76.0	1	03/03/10 10:18	03/03/10 21:45	74-97-5	
Bromodichloromethane	ND ug/kg		76.0	1	03/03/10 10:18	03/03/10 21:45	75-27-4	
Bromoform	ND ug/kg		608	1	03/03/10 10:18	03/03/10 21:45	75-25-2	
Bromomethane	ND ug/kg		760	1	03/03/10 10:18	03/03/10 21:45	74-83-9	
2-Butanone (MEK)	ND ug/kg		760	1	03/03/10 10:18	03/03/10 21:45	78-93-3	
n-Butylbenzene	ND ug/kg		76.0	1	03/03/10 10:18	03/03/10 21:45	104-51-8	
sec-Butylbenzene	ND ug/kg		76.0	1	03/03/10 10:18	03/03/10 21:45	135-98-8	
tert-Butylbenzene	ND ug/kg		76.0	1	03/03/10 10:18	03/03/10 21:45	98-06-6	
Carbon tetrachloride	ND ug/kg		304	1	03/03/10 10:18	03/03/10 21:45	56-23-5	
Chlorobenzene	ND ug/kg		76.0	1	03/03/10 10:18	03/03/10 21:45	108-90-7	
Chloroethane	ND ug/kg		760	1	03/03/10 10:18	03/03/10 21:45	75-00-3	
Chloroform	ND ug/kg		76.0	1	03/03/10 10:18	03/03/10 21:45	67-66-3	
Chloromethane	ND ug/kg		304	1	03/03/10 10:18	03/03/10 21:45	74-87-3	
2-Chlorotoluene	ND ug/kg		76.0	1	03/03/10 10:18	03/03/10 21:45	95-49-8	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 33 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B4-6-7 Lab ID: 10123125010 Collected: 02/24/10 01:15 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
4-Chlorotoluene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	304	1	03/03/10 10:18	03/03/10 21:45	96-12-8	
Dibromochloromethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	106-93-4	
Dibromomethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	75-71-8	L1
1,1-Dichloroethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	156-60-5	
Dichlorofluoromethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	75-43-4	
1,2-Dichloropropane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	304	1	03/03/10 10:18	03/03/10 21:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	304	1	03/03/10 10:18	03/03/10 21:45	60-29-7	
Ethylbenzene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	304	1	03/03/10 10:18	03/03/10 21:45	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	99-87-6	
Methylene Chloride	ND	ug/kg	304	1	03/03/10 10:18	03/03/10 21:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	1634-04-4	
Naphthalene	699	ug/kg	304	1	03/03/10 10:18	03/03/10 21:45	91-20-3	
n-Propylbenzene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	103-65-1	
Styrene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	79-34-5	
Tetrachloroethene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	127-18-4	
Tetrahydrofuran	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	109-99-9	
Toluene	319	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	79-00-5	
Trichloroethene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	76-13-1	
1,2,4-Trimethylbenzene	89.0	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	95-63-6	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 34 of 50

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ANALYTICAL RESULTS

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

Sample: B4-6-7 **Lab ID: 10123125010** Collected: 02/24/10 01:15 Received: 02/25/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B						
1,3,5-Trimethylbenzene	ND	ug/kg	76.0	1	03/03/10 10:18	03/03/10 21:45	108-67-8	
Vinyl chloride	ND	ug/kg	30.4	1	03/03/10 10:18	03/03/10 21:45	75-01-4	
Xylene (Total)	ND	ug/kg	228	1	03/03/10 10:18	03/03/10 21:45	1330-20-7	
Dibromofluoromethane (S)	72	%	61-139	1	03/03/10 10:18	03/03/10 21:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	71	%	68-136	1	03/03/10 10:18	03/03/10 21:45	17060-07-0	
Toluene-d8 (S)	71	%	68-133	1	03/03/10 10:18	03/03/10 21:45	2037-26-5	
4-Bromofluorobenzene (S)	68	%	68-126	1	03/03/10 10:18	03/03/10 21:45	460-00-4	
9012 Cyanide, Total		Analytical Method: EPA 9012						
Cyanide	ND	mg/kg	0.76	1	03/03/10 15:57	03/03/10 22:55	57-12-5	
9012 Cyanide, Amenable Soil		Analytical Method: EPA 9012						
Amenable Cyanide	ND	mg/kg	0.78	1		03/04/10 00:11	57-12-5	
Total Organic Carbon		Analytical Method: EPA 9060 Modified						
Total Organic Carbon	108000	mg/kg	16700	1		03/08/10 12:16	7440-44-0	
Total Organic Carbon	167000	mg/kg	25000	1		03/08/10 12:25	7440-44-0	
Mean Total Organic Carbon	132000	mg/kg	20000	1		03/08/10 12:25	7440-44-0	

QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

QC Batch: MPRP/19386 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

METHOD BLANK: 753307 Matrix: Solid
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.24	03/04/10 12:08	

LABORATORY CONTROL SAMPLE: 753308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	43.1	37.5	87	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 753309 753310

Parameter	Units	10123125001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	20.9	64.1	56.8	72.3	66.3	80	80	75-125	9	30	

MATRIX SPIKE SAMPLE: 754765

Parameter	Units	10123125010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	205	72.9	214	13	75-125	M0

QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

QC Batch: MPRP/19377 Analysis Method: % Moisture
 QC Batch Method: % Moisture Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007,
 10123125008, 10123125009, 10123125010

SAMPLE DUPLICATE: 752853

Parameter	Units	10123125001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	28.3	27.4	3	30	

QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

QC Batch: OEXT/12428 Analysis Method: EPA 8270 by SIM
 QC Batch Method: EPA 3550 Analysis Description: 8270 Soild PAH by SIM MSSV
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

METHOD BLANK: 752836 Matrix: Solid
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	ND	10.0	03/04/10 10:56	
Acenaphthylene	ug/kg	ND	10.0	03/04/10 10:56	
Anthracene	ug/kg	ND	10.0	03/04/10 10:56	
Benzo(a)anthracene	ug/kg	ND	10.0	03/04/10 10:56	
Benzo(a)pyrene	ug/kg	ND	10.0	03/04/10 10:56	
Benzo(b)fluoranthene	ug/kg	ND	10.0	03/04/10 10:56	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	03/04/10 10:56	
Benzo(k)fluoranthene	ug/kg	ND	10.0	03/04/10 10:56	
Chrysene	ug/kg	ND	10.0	03/04/10 10:56	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	03/04/10 10:56	
Fluoranthene	ug/kg	ND	10.0	03/04/10 10:56	
Fluorene	ug/kg	ND	10.0	03/04/10 10:56	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	03/04/10 10:56	
Naphthalene	ug/kg	ND	10.0	03/04/10 10:56	
Phenanthrene	ug/kg	ND	10.0	03/04/10 10:56	
Pyrene	ug/kg	ND	10.0	03/04/10 10:56	
2-Fluorobiphenyl (S)	%	88	48-125	03/04/10 10:56	
Nitrobenzene-d5 (S)	%	99	45-126	03/04/10 10:56	
Terphenyl-d14 (S)	%	94	67-125	03/04/10 10:56	

LABORATORY CONTROL SAMPLE: 752837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	33.3	28.6	86	36-125	
Acenaphthylene	ug/kg	33.3	30.2	91	30-125	
Anthracene	ug/kg	33.3	29.4	88	38-125	
Benzo(a)anthracene	ug/kg	33.3	29.9	90	44-125	
Benzo(a)pyrene	ug/kg	33.3	32.3	97	33-125	
Benzo(b)fluoranthene	ug/kg	33.3	31.4	94	45-127	
Benzo(g,h,i)perylene	ug/kg	33.3	28.7	86	30-130	
Benzo(k)fluoranthene	ug/kg	33.3	32.5	98	42-133	
Chrysene	ug/kg	33.3	29.5	89	48-125	
Dibenz(a,h)anthracene	ug/kg	33.3	30.0	90	30-136	
Fluoranthene	ug/kg	33.3	30.0	90	37-137	
Fluorene	ug/kg	33.3	29.5	89	41-125	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	29.4	88	30-132	
Naphthalene	ug/kg	33.3	29.1	87	35-125	
Phenanthrene	ug/kg	33.3	27.6	83	47-125	
Pyrene	ug/kg	33.3	31.3	94	48-125	
2-Fluorobiphenyl (S)	%			89	48-125	

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REPORT OF LABORATORY ANALYSIS

Page 38 of 50

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QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

LABORATORY CONTROL SAMPLE: 752837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrobenzene-d5 (S)	%			98	45-126	
Terphenyl-d14 (S)	%			93	67-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 752838 752839

Parameter	Units	10123125001		MS	MSD	MS		MSD		% Rec	Max		Qual
		Result	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	
Acenaphthene	ug/kg	108		46.5	46.5	138	149	63	86	30-150	7	30	
Acenaphthylene	ug/kg	93.1		46.5	46.5	121	148	60	117	30-150	20	30	
Anthracene	ug/kg	212		46.5	46.5	203	231	-19	40	30-150	13	30	M0
Benzo(a)anthracene	ug/kg	518		46.5	46.5	447	550	-153	68	30-150	21	30	M0
Benzo(a)pyrene	ug/kg	458		46.5	46.5	414	525	-94	145	30-150	24	30	M0
Benzo(b)fluoranthene	ug/kg	588		46.5	46.5	512	633	-164	97	30-150	21	30	M0
Benzo(g,h,i)perylene	ug/kg	149		46.5	46.5	209	257	127	232	30-150	21	30	M0
Benzo(k)fluoranthene	ug/kg	233		46.5	46.5	206	285	-59	112	30-150	32	30	M0, R1
Chrysene	ug/kg	446		46.5	46.5	402	529	-94	178	30-150	27	30	M0
Dibenz(a,h)anthracene	ug/kg	ND		46.5	46.5	84.1	105	181	226	30-150	22	30	M0
Fluoranthene	ug/kg	878		46.5	46.5	698	893	-387	32	30-150	25	30	M0
Fluorene	ug/kg	111		46.5	46.5	140	152	61	87	30-150	8	30	
Indeno(1,2,3-cd)pyrene	ug/kg	145		46.5	46.5	194	241	106	207	30-150	22	30	M0
Naphthalene	ug/kg	150		46.5	46.5	167	146	37	-8	30-150	14	30	M0
Phenanthrene	ug/kg	752		46.5	46.5	646	733	-229	-41	30-150	13	30	M0
Pyrene	ug/kg	931		46.5	46.5	789	993	-305	133	30-150	23	30	M0
2-Fluorobiphenyl (S)	%							74	84	48-125			
Nitrobenzene-d5 (S)	%							83	97	45-126			D3
Terphenyl-d14 (S)	%							78	94	67-125			

QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

QC Batch: MSV/13990 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV 5030 Med Level
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

METHOD BLANK: 754362 Matrix: Solid
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	50.0	03/03/10 17:41	
1,1,1-Trichloroethane	ug/kg	ND	50.0	03/03/10 17:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	50.0	03/03/10 17:41	
1,1,2-Trichloroethane	ug/kg	ND	50.0	03/03/10 17:41	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	50.0	03/03/10 17:41	
1,1-Dichloroethane	ug/kg	ND	50.0	03/03/10 17:41	
1,1-Dichloroethene	ug/kg	ND	50.0	03/03/10 17:41	
1,1-Dichloropropene	ug/kg	ND	50.0	03/03/10 17:41	
1,2,3-Trichlorobenzene	ug/kg	ND	50.0	03/03/10 17:41	
1,2,3-Trichloropropane	ug/kg	ND	50.0	03/03/10 17:41	
1,2,4-Trichlorobenzene	ug/kg	ND	50.0	03/03/10 17:41	
1,2,4-Trimethylbenzene	ug/kg	ND	50.0	03/03/10 17:41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	200	03/03/10 17:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	50.0	03/03/10 17:41	
1,2-Dichlorobenzene	ug/kg	ND	50.0	03/03/10 17:41	
1,2-Dichloroethane	ug/kg	ND	50.0	03/03/10 17:41	
1,2-Dichloropropane	ug/kg	ND	50.0	03/03/10 17:41	
1,3,5-Trimethylbenzene	ug/kg	ND	50.0	03/03/10 17:41	
1,3-Dichlorobenzene	ug/kg	ND	50.0	03/03/10 17:41	
1,3-Dichloropropane	ug/kg	ND	50.0	03/03/10 17:41	
1,4-Dichlorobenzene	ug/kg	ND	50.0	03/03/10 17:41	
2,2-Dichloropropane	ug/kg	ND	200	03/03/10 17:41	
2-Butanone (MEK)	ug/kg	ND	500	03/03/10 17:41	
2-Chlorotoluene	ug/kg	ND	50.0	03/03/10 17:41	
4-Chlorotoluene	ug/kg	ND	50.0	03/03/10 17:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	500	03/03/10 17:41	
Acetone	ug/kg	ND	500	03/03/10 17:41	
Allyl chloride	ug/kg	ND	200	03/03/10 17:41	
Benzene	ug/kg	ND	20.0	03/03/10 17:41	
Bromobenzene	ug/kg	ND	50.0	03/03/10 17:41	
Bromochloromethane	ug/kg	ND	50.0	03/03/10 17:41	
Bromodichloromethane	ug/kg	ND	50.0	03/03/10 17:41	
Bromoform	ug/kg	ND	400	03/03/10 17:41	
Bromomethane	ug/kg	ND	500	03/03/10 17:41	
Carbon tetrachloride	ug/kg	ND	200	03/03/10 17:41	
Chlorobenzene	ug/kg	ND	50.0	03/03/10 17:41	
Chloroethane	ug/kg	ND	500	03/03/10 17:41	
Chloroform	ug/kg	ND	50.0	03/03/10 17:41	
Chloromethane	ug/kg	ND	200	03/03/10 17:41	
cis-1,2-Dichloroethene	ug/kg	ND	50.0	03/03/10 17:41	
cis-1,3-Dichloropropene	ug/kg	ND	50.0	03/03/10 17:41	

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REPORT OF LABORATORY ANALYSIS

Page 40 of 50

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QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

METHOD BLANK: 754362

Matrix: Solid

Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	50.0	03/03/10 17:41	
Dibromomethane	ug/kg	ND	50.0	03/03/10 17:41	
Dichlorodifluoromethane	ug/kg	ND	50.0	03/03/10 17:41	
Dichlorofluoromethane	ug/kg	ND	50.0	03/03/10 17:41	
Diethyl ether (Ethyl ether)	ug/kg	ND	200	03/03/10 17:41	
Ethylbenzene	ug/kg	ND	50.0	03/03/10 17:41	
Hexachloro-1,3-butadiene	ug/kg	ND	200	03/03/10 17:41	
Isopropylbenzene (Cumene)	ug/kg	ND	50.0	03/03/10 17:41	
Methyl-tert-butyl ether	ug/kg	ND	50.0	03/03/10 17:41	
Methylene Chloride	ug/kg	ND	200	03/03/10 17:41	
n-Butylbenzene	ug/kg	ND	50.0	03/03/10 17:41	
n-Propylbenzene	ug/kg	ND	50.0	03/03/10 17:41	
Naphthalene	ug/kg	ND	200	03/03/10 17:41	
p-Isopropyltoluene	ug/kg	ND	50.0	03/03/10 17:41	
sec-Butylbenzene	ug/kg	ND	50.0	03/03/10 17:41	
Styrene	ug/kg	ND	50.0	03/03/10 17:41	
tert-Butylbenzene	ug/kg	ND	50.0	03/03/10 17:41	
Tetrachloroethene	ug/kg	ND	50.0	03/03/10 17:41	
Tetrahydrofuran	ug/kg	ND	500	03/03/10 17:41	
Toluene	ug/kg	ND	50.0	03/03/10 17:41	
trans-1,2-Dichloroethene	ug/kg	ND	50.0	03/03/10 17:41	
trans-1,3-Dichloropropene	ug/kg	ND	50.0	03/03/10 17:41	
Trichloroethene	ug/kg	ND	50.0	03/03/10 17:41	
Trichlorofluoromethane	ug/kg	ND	50.0	03/03/10 17:41	
Vinyl chloride	ug/kg	ND	20.0	03/03/10 17:41	
Xylene (Total)	ug/kg	ND	150	03/03/10 17:41	
1,2-Dichloroethane-d4 (S)	%	101	68-136	03/03/10 17:41	
4-Bromofluorobenzene (S)	%	103	68-126	03/03/10 17:41	
Dibromofluoromethane (S)	%	103	61-139	03/03/10 17:41	
Toluene-d8 (S)	%	104	68-133	03/03/10 17:41	

LABORATORY CONTROL SAMPLE & LCSD: 754363

754364

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	1000	1020	100	102	75-125	2	20	
1,1,1-Trichloroethane	ug/kg	1000	1070	1080	107	108	75-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	1020	1010	102	101	70-139	1	20	
1,1,2-Trichloroethane	ug/kg	1000	994	986	99	99	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	1130	1110	113	111	58-142	1	20	
1,1-Dichloroethane	ug/kg	1000	1030	1020	103	102	75-126	1	20	
1,1-Dichloroethene	ug/kg	1000	1090	1080	109	108	71-127	1	20	
1,1-Dichloropropene	ug/kg	1000	1090	1090	109	109	75-125	0	20	
1,2,3-Trichlorobenzene	ug/kg	1000	1100	1030	110	103	75-133	7	20	
1,2,3-Trichloropropane	ug/kg	1000	1010	975	101	98	75-126	4	20	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 41 of 50

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QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest
Pace Project No.: 10123125

LABORATORY CONTROL SAMPLE & LCSD: 754363		754364									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
1,2,4-Trichlorobenzene	ug/kg	1000	1090	1050	109	105	75-134	4	20		
1,2,4-Trimethylbenzene	ug/kg	1000	1070	1050	107	105	75-136	2	20		
1,2-Dibromo-3-chloropropane	ug/kg	1000	968	942	97	94	69-136	3	20		
1,2-Dibromoethane (EDB)	ug/kg	1000	1020	1010	102	101	75-125	1	20		
1,2-Dichlorobenzene	ug/kg	1000	1060	1040	106	104	75-125	2	20		
1,2-Dichloroethane	ug/kg	1000	1000	996	100	100	75-135	1	20		
1,2-Dichloropropane	ug/kg	1000	1000	1020	100	102	75-125	2	20		
1,3,5-Trimethylbenzene	ug/kg	1000	1070	1060	107	106	75-136	0	20		
1,3-Dichlorobenzene	ug/kg	1000	1040	1050	104	105	75-125	1	20		
1,3-Dichloropropane	ug/kg	1000	1010	996	101	100	75-125	1	20		
1,4-Dichlorobenzene	ug/kg	1000	1070	1050	107	105	75-125	2	20		
2,2-Dichloropropane	ug/kg	1000	1020	944	102	94	30-150	8	20		
2-Butanone (MEK)	ug/kg	1000	879	943	88	94	49-149	7	20		
2-Chlorotoluene	ug/kg	1000	1050	1060	105	106	75-125	1	20		
4-Chlorotoluene	ug/kg	1000	1040	1060	104	106	75-126	2	20		
4-Methyl-2-pentanone (MIBK)	ug/kg	1000	1010	976	101	98	73-134	4	20		
Acetone	ug/kg	2500	2770	2550	111	102	57-150	8	20		
Allyl chloride	ug/kg	1000	1080	1120	108	112	69-139	3	20		
Benzene	ug/kg	1000	1040	1020	104	102	75-130	2	20		
Bromobenzene	ug/kg	1000	1030	1060	103	106	75-125	3	20		
Bromochloromethane	ug/kg	1000	1040	1040	104	104	75-125	0	20		
Bromodichloromethane	ug/kg	1000	1000	996	100	100	75-130	1	20		
Bromoform	ug/kg	2000	1890	1880	95	94	75-128	1	20		
Bromomethane	ug/kg	1000	1070	1200	107	120	47-150	11	20		
Carbon tetrachloride	ug/kg	1000	1080	1070	108	107	67-138	0	20		
Chlorobenzene	ug/kg	1000	1020	1030	102	103	75-125	1	20		
Chloroethane	ug/kg	1000	1400	1100	140	110	54-150	24	20	R1	
Chloroform	ug/kg	1000	1030	1020	103	102	75-131	1	20		
Chloromethane	ug/kg	1000	1040	1030	104	103	65-126	0	20		
cis-1,2-Dichloroethene	ug/kg	1000	1060	1040	106	104	75-125	2	20		
cis-1,3-Dichloropropene	ug/kg	1000	1020	1020	102	102	75-125	0	20		
Dibromochloromethane	ug/kg	1000	1010	1020	101	102	75-125	0	20		
Dibromomethane	ug/kg	1000	997	1000	100	100	75-125	0	20		
Dichlorodifluoromethane	ug/kg	1000	1330	1310	133	131	37-125	1	20	CH,L0,SS	
Dichlorofluoromethane	ug/kg	1000	1020	1030	102	103	30-150	1	20		
Diethyl ether (Ethyl ether)	ug/kg	1000	990	971	99	97	67-135	2	20		
Ethylbenzene	ug/kg	1000	1050	1070	105	107	75-125	2	20		
Hexachloro-1,3-butadiene	ug/kg	1000	1150	1130	115	113	75-150	1	20		
Isopropylbenzene (Cumene)	ug/kg	1000	1060	1070	106	107	75-125	1	20		
Methyl-tert-butyl ether	ug/kg	1000	1030	985	103	99	75-133	4	20		
Methylene Chloride	ug/kg	1000	959	937	96	94	75-130	2	20		
n-Butylbenzene	ug/kg	1000	1120	1120	112	112	75-138	0	20		
n-Propylbenzene	ug/kg	1000	1090	1080	109	108	75-129	1	20		
Naphthalene	ug/kg	1000	1130	1040	113	104	73-128	9	20		
p-Isopropyltoluene	ug/kg	1000	1080	1090	108	109	75-134	1	20		
sec-Butylbenzene	ug/kg	1000	1100	1110	110	111	75-133	1	20		
Styrene	ug/kg	1000	1040	1050	104	105	75-125	1	20		
tert-Butylbenzene	ug/kg	1000	1060	1060	106	106	75-130	1	20		

QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest
Pace Project No.: 10123125

LABORATORY CONTROL SAMPLE & LCSD: 754363		754364								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/kg	1000	1090	1090	109	109	75-125	0	20	
Tetrahydrofuran	ug/kg	10000	9940	9520	99	95	75-133	4	20	
Toluene	ug/kg	1000	1020	1040	102	104	75-125	2	20	
trans-1,2-Dichloroethene	ug/kg	1000	1100	1100	110	110	75-125	0	20	
trans-1,3-Dichloropropene	ug/kg	1000	1040	1030	104	103	65-129	0	20	
Trichloroethene	ug/kg	1000	1090	1080	109	108	75-132	1	20	
Trichlorofluoromethane	ug/kg	1000	1210	1210	121	121	30-150	0	20	
Vinyl chloride	ug/kg	1000	1090	1100	109	110	65-125	1	20	
Xylene (Total)	ug/kg	3000	3160	3170	105	106	75-125	0	20	
1,2-Dichloroethane-d4 (S)	%				97	96	68-136			
4-Bromofluorobenzene (S)	%				101	100	68-126			
Dibromofluoromethane (S)	%				99	99	61-139			
Toluene-d8 (S)	%				100	102	68-133			

MATRIX SPIKE SAMPLE: 754365		10123125001	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Parameter	Units	Result					
1,1,1,2-Tetrachloroethane	ug/kg	ND	1370	1170	85	74-133	
1,1,1-Trichloroethane	ug/kg	ND	1370	1230	90	73-150	
1,1,2,2-Tetrachloroethane	ug/kg	ND	1370	1200	87	65-145	
1,1,2-Trichloroethane	ug/kg	ND	1370	1140	83	71-145	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	1370	1290	94	30-150	
1,1-Dichloroethane	ug/kg	ND	1370	1200	87	71-150	
1,1-Dichloroethene	ug/kg	ND	1370	1250	92	75-150	
1,1-Dichloropropene	ug/kg	ND	1370	1260	92	30-150	
1,2,3-Trichlorobenzene	ug/kg	ND	1370	1200	87	30-150	
1,2,3-Trichloropropane	ug/kg	ND	1370	1160	85	30-150	
1,2,4-Trichlorobenzene	ug/kg	ND	1370	1200	88	75-145	
1,2,4-Trimethylbenzene	ug/kg	ND	1370	1190	87	71-150	
1,2-Dibromo-3-chloropropane	ug/kg	ND	1370	1150	84	65-136	
1,2-Dibromoethane (EDB)	ug/kg	ND	1370	1180	86	75-145	
1,2-Dichlorobenzene	ug/kg	ND	1370	1180	87	75-140	
1,2-Dichloroethane	ug/kg	ND	1370	1160	84	73-146	
1,2-Dichloropropane	ug/kg	ND	1370	1200	88	75-147	
1,3,5-Trimethylbenzene	ug/kg	ND	1370	1200	87	70-150	
1,3-Dichlorobenzene	ug/kg	ND	1370	1160	85	75-141	
1,3-Dichloropropane	ug/kg	ND	1370	1180	86	30-150	
1,4-Dichlorobenzene	ug/kg	ND	1370	1180	87	75-139	
2,2-Dichloropropane	ug/kg	ND	1370	1020	75	30-150	
2-Butanone (MEK)	ug/kg	ND	1370	1110	81	41-150	
2-Chlorotoluene	ug/kg	ND	1370	1190	87	30-150	
4-Chlorotoluene	ug/kg	ND	1370	1190	87	30-150	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1370	1220	89	60-150	
Acetone	ug/kg	ND	3420	2940	86	51-150	
Allyl chloride	ug/kg	ND	1370	1270	93	30-150	
Benzene	ug/kg	72.8	1370	1260	87	73-150	
Bromobenzene	ug/kg	ND	1370	1160	85	30-150	

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REPORT OF LABORATORY ANALYSIS

Page 43 of 50

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QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

MATRIX SPIKE SAMPLE: 754365		10123125001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	ug/kg	ND	1370	1210	88	30-150	
Bromodichloromethane	ug/kg	ND	1370	1160	84	71-138	
Bromoform	ug/kg	ND	2740	2250	82	64-128	
Bromomethane	ug/kg	ND	1370	1440	105	30-150	
Carbon tetrachloride	ug/kg	ND	1370	1250	91	67-150	
Chlorobenzene	ug/kg	ND	1370	1190	87	74-142	
Chloroethane	ug/kg	ND	1370	1330	97	30-150	
Chloroform	ug/kg	ND	1370	1180	86	74-150	
Chloromethane	ug/kg	ND	1370	1240	91	50-150	
cis-1,2-Dichloroethene	ug/kg	ND	1370	1220	89	75-147	
cis-1,3-Dichloropropene	ug/kg	ND	1370	1170	86	68-133	
Dibromochloromethane	ug/kg	ND	1370	1160	85	71-128	
Dibromomethane	ug/kg	ND	1370	1180	86	69-137	
Dichlorodifluoromethane	ug/kg	ND	1370	1610	118	50-150	CH,SS
Dichlorofluoromethane	ug/kg	ND	1370	1200	88	50-150	
Diethyl ether (Ethyl ether)	ug/kg	ND	1370	1160	84	30-150	
Ethylbenzene	ug/kg	ND	1370	1220	89	74-150	
Hexachloro-1,3-butadiene	ug/kg	ND	1370	1300	95	54-150	
Isopropylbenzene (Cumene)	ug/kg	ND	1370	1210	88	75-150	
Methyl-tert-butyl ether	ug/kg	ND	1370	1170	86	70-142	
Methylene Chloride	ug/kg	ND	1370	1130	82	67-144	
n-Butylbenzene	ug/kg	ND	1370	1240	90	55-150	
n-Propylbenzene	ug/kg	ND	1370	1220	89	50-150	
Naphthalene	ug/kg	ND	1370	1280	94	64-150	
p-Isopropyltoluene	ug/kg	ND	1370	1210	89	75-138	
sec-Butylbenzene	ug/kg	ND	1370	1250	91	75-144	
Styrene	ug/kg	ND	1370	1200	88	75-144	
tert-Butylbenzene	ug/kg	ND	1370	1170	85	54-150	
Tetrachloroethene	ug/kg	ND	1370	1240	90	75-150	
Tetrahydrofuran	ug/kg	ND	13700	11900	87	50-150	
Toluene	ug/kg	ND	1370	1220	87	73-144	
trans-1,2-Dichloroethene	ug/kg	ND	1370	1240	91	75-150	
trans-1,3-Dichloropropene	ug/kg	ND	1370	1170	85	66-127	
Trichloroethene	ug/kg	ND	1370	1220	89	75-150	
Trichlorofluoromethane	ug/kg	ND	1370	1410	103	50-150	
Vinyl chloride	ug/kg	ND	1370	1290	94	44-150	
Xylene (Total)	ug/kg	ND	4100	3640	89	75-148	
1,2-Dichloroethane-d4 (S)	%				84	68-136	
4-Bromofluorobenzene (S)	%				82	68-126	
Dibromofluoromethane (S)	%				84	61-139	
Toluene-d8 (S)	%				85	68-133	

SAMPLE DUPLICATE: 754366

Parameter	Units	10123125002	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 44 of 50

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QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

SAMPLE DUPLICATE: 754366

Parameter	Units	10123125002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Allyl chloride	ug/kg	ND	ND		30	
Benzene	ug/kg	81.0	34.5	81	30	R1
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Dichlorofluoromethane	ug/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	

Date: 03/10/2010 10:45 AM

REPORT OF LABORATORY ANALYSIS

Page 45 of 50

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QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

SAMPLE DUPLICATE: 754366

Parameter	Units	10123125002 Result	Dup Result	RPD	Max RPD	Qualifiers
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Tetrahydrofuran	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	82	96	14		
4-Bromofluorobenzene (S)	%	83	99	14		
Dibromofluoromethane (S)	%	84	99	15		
Toluene-d8 (S)	%	85	99	13		

QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

QC Batch: WETA/4706 Analysis Method: EPA 9012
 QC Batch Method: EPA 9012 Analysis Description: 9012 Cyanide
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

METHOD BLANK: 402151 Matrix: Solid
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/kg	ND	0.50	03/03/10 23:09	

LABORATORY CONTROL SAMPLE: 402152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	10	9.2	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 402153 402154

Parameter	Units	10123125001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/kg	ND	13.8	14	11.8	11.9	85	85	75-125	1	20	

QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

QC Batch: WETA/4717

Analysis Method: EPA 9012

QC Batch Method: EPA 9012

Analysis Description: 9012 Cyanide, Amenable Soil

Associated Lab Samples: 10123125008

METHOD BLANK: 402531

Matrix: Solid

Associated Lab Samples: 10123125008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Amenable Cyanide	mg/kg	ND	0.50	03/05/10 14:29	

QUALITY CONTROL DATA

Project: 60148476 SWL&P Sediment Invest

Pace Project No.: 10123125

QC Batch: WETA/5824 Analysis Method: EPA 9060 Modified
 QC Batch Method: EPA 9060 Modified Analysis Description: 9060 TOC Average
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

METHOD BLANK: 270835 Matrix: Solid
 Associated Lab Samples: 10123125001, 10123125002, 10123125003, 10123125004, 10123125005, 10123125006, 10123125007, 10123125008, 10123125009, 10123125010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/kg	ND	250	03/08/10 09:12	

LABORATORY CONTROL SAMPLE: 270836

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/kg	1000	934	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 270837 270838

Parameter	Units	10123125003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/kg	1490	1990	1970	3570	4000	105	127	50-150	11	30	

QUALIFIERS

Project: 60148476 SWL&P Sediment Invest
Pace Project No.: 10123125

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
PASI-I Pace Analytical Services - Indianapolis
PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: WETA/4708

[1] Batch #4708 samples are all Non-Detect for Amenable Cyanide as a result of Non-Detect results determined from Total Cyanide analysis. ddm 3-3-10

ANALYTE QUALIFIERS

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

R1 RPD value was outside control limits.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: _____ of _____

1347605

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER MGP

Site Location: WI STATE: WI

Section A
Required Client Information:

Company: AECOM
Address: St Paul
Email To: Bill Greary
Phone: 651-367-2328 Fax: _____
Requested Due Date/TAT: AirTag

Section B
Required Project Information:

Report To: Bill Greary
Copy To: Chris Boehm Carlson
Purchase Order No.: _____
Project Name: Soil & P Sediment Investigation
Project Number: 60148476

Section C
Invoice Information:

Attention: WM Greary
Company Name: AECOM
Address: St Paul
Face Quote Reference: _____
Face Project Manager: Jeff Smith/Carol Davy
Face Profile #: _____

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / -)
Sample IDs MUST BE UNIQUE

ITEM #	Matrix Codes MATRIX / CODE	COLLECTED	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
1	B1-0-1	COMPOSITE - START	William M Greary	2/23	11:15	William M Greary	2/24/10	7:15pm	Received on Ice (Y/N) _____ Sealed Cooler (Y/N) _____ Custody (Y/N) _____ Temp in °C _____
2	B1-5-B	COMPOSITE - END/GRAB	William M Greary	"	11:40	William M Greary	"	"	
3	B1-22-24		William M Greary	"	1:00	William M Greary	"	"	
4	B2-0-1		William M Greary	"	2:30	William M Greary	"	"	
5	B2-1-3		William M Greary	"	2:45	William M Greary	"	"	
6	B3-0-2		William M Greary	"	4:45	William M Greary	"	"	
7	B3-2-4		William M Greary	"	5:30	William M Greary	"	"	
8	B3-1D-14		William M Greary	"	6:15	William M Greary	"	"	
9	B4-0-2		William M Greary	2/24	12:30	William M Greary	"	"	
10	B4-6-7		William M Greary	"	1:15	William M Greary	"	"	
11									
12									

Section E
Additional Comments

Delivery by sampler - No FedEx

ITEM #	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	Preservatives	Analysis Test ↑	Requested Analysis Filtered (Y/N)	Temp in °C	Received on Ice (Y/N)	Sealed Cooler (Y/N)	Custody (Y/N)	Samples Intact (Y/N)
		COMPOSITE - START	COMPOSITE - END/GRAB			DATE	TIME									
1	B1-0-1			G		25		9	Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₈ Methanol Other	VOC PAH CN-free & total Methylmercury						
2	B1-5-B			G												
3	B1-22-24			G												
4	B2-0-1			G												
5	B2-1-3			G												
6	B3-0-2			G												
7	B3-2-4			G												
8	B3-1D-14			G												
9	B4-0-2			G												
10	B4-6-7			G												
11																
12																

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: William M Greary
SIGNATURE of SAMPLER: William M Greary
DATE Signed (MM/DD/YY): 02/23/10

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

F-ALL-Q-020rev.07, 15-May-2007



Client Name: Aecom

Project # _____

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags None Other _____ Temp Blank: Yes No _____

Thermometer Used 80344042 or 179425 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 5.6 Biological Tissue Is Frozen: Yes No

Temp should be above freezing to 8°C

Comments:

Date and Initials of person examining contents: 2/25/10 SN

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

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: Chris Buckman Carlson Date/Time: 2-26-10

Comments/ Resolution: metals = Pb only per quote

Project Manager Review: [Signature]

Date: 2/26/10