



CH2M HILL
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October 26, 2006

NW Pipe

346755.06.05

RE: Laboratory Report for NW Pipe
Applied Sciences Laboratory Reference No. F2629

Pat Heins/PDX:

On October 05, 2006, CH2M HILL Applied Sciences Laboratory received 24 samples with a request for analysis of selected parameters. All analyses were performed by CH2M HILL unless otherwise indicated below.

The analytical results and associated quality control data are enclosed. Any unusual difficulties encountered during the analysis of your samples are discussed in the case narrative. This data package meets standards requested by client and is not intended or implied to meet any other standard.

CH2M HILL Applied Sciences Laboratory appreciates your business and looks forward to serving your analytical needs again. If you should have any questions concerning the data, or if you need additional information, please call Kathy McKinley at (541) 758-0235, extension 3144.

Sincerely,

A handwritten signature in cursive script that reads "Kathy McKinley".

Kathy McKinley
Analytical Manager

Enclosures

cc:
Tina Rice/PDX

CLIENT SAMPLE CROSS-REFERENCE

CH2M HILL Applied Sciences Laboratory Reference No. F2629

Sample ID	Client Sample ID	Date Collected	Time Collected
F262901	SS-01-0	10/04/2006	10:15
F262902	SS-02-0	10/04/2006	10:19
F262903	SS-03-0	10/04/2006	10:24
F262904	SS-04-0	10/04/2006	10:28
F262905	SS-05-0	10/04/2006	10:33
F262906	SS-06-0	10/04/2006	10:38
F262907	SS-07-0	10/04/2006	10:48
F262908	SS-08-0	10/04/2006	10:54
F262909	SS-09-0	10/04/2006	11:05
F262910	SS-10-0	10/04/2006	11:10
F262911	CB-01-0	10/04/2006	11:30
F262912	CB-02-0	10/04/2006	11:53
F262913	CB-03-0	10/04/2006	12:05
F262914	CB-04-0	10/04/2006	12:20
F262915	CB-05-0	10/04/2006	12:28
F262916	SS-11-0	10/04/2006	12:43
F262917	SS-12-0	10/04/2006	12:46
F262918	SS-13-0	10/04/2006	12:54
F262919	SS-14-0	10/04/2006	13:00
F262920	SS-15-0	10/04/2006	13:02
F262921	SS-16-0	10/04/2006	13:15
F262922	SS-17-0	10/04/2006	13:22
F262923	SS-18-0	10/04/2006	13:30
F262924	SS-19-0	10/04/2006	13:35

**CASE NARRATIVE
ORGANICS**

Lab Reference No.: F2629

Client/Project: NW Pipe

- I. Holding Times:
All acceptance criteria were met.

- II. Analysis:
 - A. Calibration:
All acceptance criteria were met.

 - B. Method Blank(s):
All acceptance criteria were met.

 - C. Duplicate Sample(s):
Analysis performed in accordance with standard operating procedure.

 - D. Spike Sample(s):
Analysis performed in accordance with standard operating procedure.

 - E. Lab Control Sample(s):
All acceptance criteria were met.

 - F. Surrogate Recoveries:
Surrogate spikes in samples SS-05-0 (F262905), CB-03-0 (F262913), and SS-13-0 (F262918) did not recover due high dilution factors necessary for PCB analytes.

 - G. Other:
Not applicable.

- III. Documentation Exceptions:
None.

- IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by: Amber Jayler Date: 10/12/06

Reviewed by: Neil Shuck Date: 10/12/06

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-01-0	Lab Sample ID: F262901
Project Name: NW Pipe	Date Received: 10/05/2006
Date Collected: 10/04/2006	Report Revision No.: 0
Time Collected: 10:15	Analyzed By: AJT
Type: Grab	Reviewed By: <i>MT7</i>
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	22.4	22.4	U	µg/kg	SW 8082	10/10/2006
Aroclor 1221	11104-28-2	22.4	22.4	U	µg/kg	SW 8082	10/10/2006
Aroclor 1232	11141-16-5	22.4	22.4	U	µg/kg	SW 8082	10/10/2006
Aroclor 1242	53469-21-9	22.4	22.4	U	µg/kg	SW 8082	10/10/2006
Aroclor 1248	12672-29-6	22.4	22.4	U	µg/kg	SW 8082	10/10/2006
Aroclor 1254	11097-69-1	22.4	22.4	U	µg/kg	SW 8082	10/10/2006
Aroclor 1260	11096-82-5	22.4	22.4	U	µg/kg	SW 8082	10/10/2006
Aroclor 1262	37324-23-5	22.4	22.4	U	µg/kg	SW 8082	10/10/2006
Aroclor 1268	11100-14-4	22.4	22.4	U	µg/kg	SW 8082	10/10/2006
Decachlorobiphenyl	2051-24-3		102%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

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<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-05-0 Project Name: NW Pipe Date Collected: 10/04/2006 Time Collected: 10:33 Type: Grab Matrix: Soil-Sediment Basis: Dry Weight	Lab Sample ID: F262905 Date Received: 10/05/2006 Report Revision No.: 0 Analyzed By: AJT Reviewed By: <i>μm</i>

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	397	397	U	μg/kg	SW 8082	10/10/2000
Aroclor 1221	11104-28-2	397	397	U	μg/kg	SW 8082	10/10/2000
Aroclor 1232	11141-16-5	397	397	U	μg/kg	SW 8082	10/10/2000
Aroclor 1242	53469-21-9	397	397	U	μg/kg	SW 8082	10/10/2000
Aroclor 1248	12672-29-6	397	397	U	μg/kg	SW 8082	10/10/2000
Aroclor 1254	11097-69-1	397	3690		μg/kg	SW 8082	10/10/2000
Aroclor 1260	11096-82-5	397	1110		μg/kg	SW 8082	10/10/2000
Aroclor 1262	37324-23-5	397	397	U	μg/kg	SW 8082	10/10/2000
Aroclor 1268	11100-14-4	397	397	U	μg/kg	SW 8082	10/10/2000
Decachlorobiphenyl	2051-24-3		0%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-08-0	Lab Sample ID: F262908
Project Name: NW Pipe	Date Received: 10/05/2006
Date Collected: 10/04/2006	Report Revision No.: 0
Time Collected: 10:54	Analyzed By: AJT
Type: Grab	Reviewed By: <i>[Signature]</i>
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	198	198	U	µg/kg	SW 8082	10/10/2006
Aroclor 1221	11104-28-2	198	198	U	µg/kg	SW 8082	10/10/2006
Aroclor 1232	11141-16-5	198	198	U	µg/kg	SW 8082	10/10/2006
Aroclor 1242	53469-21-9	198	198	U	µg/kg	SW 8082	10/10/2006
Aroclor 1248	12672-29-6	198	198	U	µg/kg	SW 8082	10/10/2006
Aroclor 1254	11097-69-1	198	2200		µg/kg	SW 8082	10/10/2006
Aroclor 1260	11096-82-5	198	413		µg/kg	SW 8082	10/10/2006
Aroclor 1262	37324-23-5	198	198	U	µg/kg	SW 8082	10/10/2006
Aroclor 1268	11100-14-4	198	198	U	µg/kg	SW 8082	10/10/2006
Decachlorobiphenyl	2051-24-3		113%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

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<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-09-0	Lab Sample ID: F262909
Project Name: NW Pipe	Date Received: 10/05/2006
Date Collected: 10/04/2006	Report Revision No.: 0
Time Collected: 11:05	Analyzed By: AJT
Type: Grab	Reviewed By: <i>MT7</i>
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	43.3	43.3	U	µg/kg	SW 8082	10/10/2006
Aroclor 1221	11104-28-2	43.3	43.3	U	µg/kg	SW 8082	10/10/2006
Aroclor 1232	11141-16-5	43.3	43.3	U	µg/kg	SW 8082	10/10/2006
Aroclor 1242	53469-21-9	43.3	43.3	U	µg/kg	SW 8082	10/10/2006
Aroclor 1248	12672-29-6	43.3	43.3	U	µg/kg	SW 8082	10/10/2006
Aroclor 1254	11097-69-1	43.3	426		µg/kg	SW 8082	10/10/2006
Aroclor 1260	11096-82-5	43.3	103		µg/kg	SW 8082	10/10/2006
Aroclor 1262	37324-23-5	43.3	43.3	U	µg/kg	SW 8082	10/10/2006
Aroclor 1268	11100-14-4	43.3	43.3	U	µg/kg	SW 8082	10/10/2006
Decachlorobiphenyl	2051-24-3		107%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

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<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: CB-01-0 Project Name: NW Pipe Date Collected: 10/04/2006 Time Collected: 11:30 Type: Grab Matrix: Soil-Sediment Basis: Dry Weight	Lab Sample ID: F262911 Date Received: 10/05/2006 Report Revision No.: 0 Analyzed By: AJT Reviewed By: <i>WMT</i>

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	129	129	U	µg/kg	SW 8082	10/10/2006
Aroclor 1221	11104-28-2	129	129	U	µg/kg	SW 8082	10/10/2006
Aroclor 1232	11141-16-5	129	129	U	µg/kg	SW 8082	10/10/2006
Aroclor 1242	53469-21-9	129	129	U	µg/kg	SW 8082	10/10/2006
Aroclor 1248	12672-29-6	129	129	U	µg/kg	SW 8082	10/10/2006
Aroclor 1254	11097-69-1	129	1708		µg/kg	SW 8082	10/10/2006
Aroclor 1260	11096-82-5	129	271		µg/kg	SW 8082	10/10/2006
Aroclor 1262	37324-23-5	129	129	U	µg/kg	SW 8082	10/10/2006
Aroclor 1268	11100-14-4	129	129	U	µg/kg	SW 8082	10/10/2006
Decachlorobiphenyl	2051-24-3		120%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

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<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: CB-02-0	Lab Sample ID: F262912
Project Name: NW Pipe	Date Received: 10/05/2006
Date Collected: 10/04/2006	Report Revision No.: 0
Time Collected: 11:53	Analyzed By: AJT
Type: Grab	Reviewed By: <i>MTJ</i>
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	104	104	U	µg/kg	SW 8082	10/10/2006
Aroclor 1221	11104-28-2	104	104	U	µg/kg	SW 8082	10/10/2006
Aroclor 1232	11141-16-5	104	104	U	µg/kg	SW 8082	10/10/2006
Aroclor 1242	53469-21-9	104	104	U	µg/kg	SW 8082	10/10/2006
Aroclor 1248	12672-29-6	104	104	U	µg/kg	SW 8082	10/10/2006
Aroclor 1254	11097-69-1	104	862		µg/kg	SW 8082	10/10/2006
Aroclor 1260	11096-82-5	104	104	U	µg/kg	SW 8082	10/10/2006
Aroclor 1262	37324-23-5	104	104	U	µg/kg	SW 8082	10/10/2006
Aroclor 1268	11100-14-4	104	104	U	µg/kg	SW 8082	10/10/2006
Decachlorobiphenyl	2051-24-3		108%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

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<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: CB-03-0 Project Name: NW Pipe Date Collected: 10/04/2006 Time Collected: 12:05 Type: Grab Matrix: Soil-Sediment Basis: Dry Weight	Lab Sample ID: F262913 Date Received: 10/05/2006 Report Revision No.: 0 Analyzed By: AJT Reviewed By: <i>µm</i>

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	1710	1710	U	µg/kg	SW 8082	10/10/2006
Aroclor 1221	11104-28-2	1710	1710	U	µg/kg	SW 8082	10/10/2006
Aroclor 1232	11141-16-5	1710	1710	U	µg/kg	SW 8082	10/10/2006
Aroclor 1242	53469-21-9	1710	1710	U	µg/kg	SW 8082	10/10/2006
Aroclor 1248	12672-29-6	1710	1710	U	µg/kg	SW 8082	10/10/2006
Aroclor 1254	11097-69-1	1710	13500		µg/kg	SW 8082	10/10/2006
Aroclor 1260	11096-82-5	1710	1710	U	µg/kg	SW 8082	10/10/2006
Aroclor 1262	37324-23-5	1710	1710	U	µg/kg	SW 8082	10/10/2006
Aroclor 1268	11100-14-4	1710	1710	U	µg/kg	SW 8082	10/10/2006
Decachlorobiphenyl	2051-24-3		0%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: CB-04-0	Lab Sample ID: F262914
Project Name: NW Pipe	Date Received: 10/05/2006
Date Collected: 10/04/2006	Report Revision No.: 0
Time Collected: 12:20	Analyzed By: AJT
Type: Grab	Reviewed By: <i>MJ</i>
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	33.6	33.6	U	µg/kg	SW 8082	10/11/2006
Aroclor 1221	11104-28-2	33.6	33.6	U	µg/kg	SW 8082	10/11/2006
Aroclor 1232	11141-16-5	33.6	33.6	U	µg/kg	SW 8082	10/11/2006
Aroclor 1242	53469-21-9	33.6	33.6	U	µg/kg	SW 8082	10/11/2006
Aroclor 1248	12672-29-6	33.6	33.6	U	µg/kg	SW 8082	10/11/2006
Aroclor 1254	11097-69-1	33.6	310		µg/kg	SW 8082	10/11/2006
Aroclor 1260	11096-82-5	33.6	70.5		µg/kg	SW 8082	10/11/2006
Aroclor 1262	37324-23-5	33.6	33.6	U	µg/kg	SW 8082	10/11/2006
Aroclor 1268	11100-14-4	33.6	33.6	U	µg/kg	SW 8082	10/11/2006
Decachlorobiphenyl	2051-24-3		95%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard


CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: CB-05-0	Lab Sample ID: F262915
Project Name: NW Pipe	Date Received: 10/05/2006
Date Collected: 10/04/2006	Report Revision No.: 0
Time Collected: 12:28	Analyzed By: AJT
Type: Grab	Reviewed By: <i>[Signature]</i>
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	48.2	48.2	U	µg/kg	SW 8082	10/11/2006
Aroclor 1221	11104-28-2	48.2	48.2	U	µg/kg	SW 8082	10/11/2006
Aroclor 1232	11141-16-5	48.2	48.2	U	µg/kg	SW 8082	10/11/2006
Aroclor 1242	53469-21-9	48.2	48.2	U	µg/kg	SW 8082	10/11/2006
Aroclor 1248	12672-29-6	48.2	48.2	U	µg/kg	SW 8082	10/11/2006
Aroclor 1254	11097-69-1	48.2	502		µg/kg	SW 8082	10/11/2006
Aroclor 1260	11096-82-5	48.2	80.1		µg/kg	SW 8082	10/11/2006
Aroclor 1262	37324-23-5	48.2	48.2	U	µg/kg	SW 8082	10/11/2006
Aroclor 1268	11100-14-4	48.2	48.2	U	µg/kg	SW 8082	10/11/2006
Decachlorobiphenyl	2051-24-3		99%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard


CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-13-0 Project Name: NW Pipe Date Collected: 10/04/2006 Time Collected: 12:54 Type: Grab Matrix: Soil-Sediment Basis: Dry Weight	Lab Sample ID: F262918 Date Received: 10/05/2006 Report Revision No.: 0 Analyzed By: AJT Reviewed By: 

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	1250	1250	U	µg/kg	SW 8082	10/11/2006
Aroclor 1221	11104-28-2	1250	1250	U	µg/kg	SW 8082	10/11/2006
Aroclor 1232	11141-16-5	1250	1250	U	µg/kg	SW 8082	10/11/2006
Aroclor 1242	53469-21-9	1250	1250	U	µg/kg	SW 8082	10/11/2006
Aroclor 1248	12672-29-6	1250	1250	U	µg/kg	SW 8082	10/11/2006
Aroclor 1254	11097-69-1	1250	11100		µg/kg	SW 8082	10/11/2006
Aroclor 1260	11096-82-5	1250	1500		µg/kg	SW 8082	10/11/2006
Aroclor 1262	37324-23-5	1250	1250	U	µg/kg	SW 8082	10/11/2006
Aroclor 1268	11100-14-4	1250	1250	U	µg/kg	SW 8082	10/11/2006
Decachlorobiphenyl	2051-24-3		0%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-15-0 Project Name: NW Pipe Date Collected: 10/04/2006 Time Collected: 13:02 Type: Grab Matrix: Soil-Sediment Basis: Dry Weight	Lab Sample ID: F262920 Date Received: 10/05/2006 Report Revision No.: 0 Analyzed By: AJT Reviewed By: 

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	210	210	U	µg/kg	SW 8082	10/11/2006
Aroclor 1221	11104-28-2	210	210	U	µg/kg	SW 8082	10/11/2006
Aroclor 1232	11141-16-5	210	210	U	µg/kg	SW 8082	10/11/2006
Aroclor 1242	53469-21-9	210	210	U	µg/kg	SW 8082	10/11/2006
Aroclor 1248	12672-29-6	210	210	U	µg/kg	SW 8082	10/11/2006
Aroclor 1254	11097-69-1	210	627		µg/kg	SW 8082	10/11/2006
Aroclor 1260	11096-82-5	210	210	U	µg/kg	SW 8082	10/11/2006
Aroclor 1262	37324-23-5	210	210	U	µg/kg	SW 8082	10/11/2006
Aroclor 1268	11100-14-4	210	210	U	µg/kg	SW 8082	10/11/2006
Decachlorobiphenyl	2051-24-3		109%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-18-0	Lab Sample ID: F262923
Project Name: NW Pipe	Date Received: 10/05/2006
Date Collected: 10/04/2006	Report Revision No.: 0
Time Collected: 13:30	Analyzed By: AJT
Type: Grab	Reviewed By: <i>[Signature]</i>
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	209	209	U	µg/kg	SW 8082	10/11/2006
Aroclor 1221	11104-28-2	209	209	U	µg/kg	SW 8082	10/11/2006
Aroclor 1232	11141-16-5	209	209	U	µg/kg	SW 8082	10/11/2006
Aroclor 1242	53469-21-9	209	209	U	µg/kg	SW 8082	10/11/2006
Aroclor 1248	12672-29-6	209	209	U	µg/kg	SW 8082	10/11/2006
Aroclor 1254	11097-69-1	209	944		µg/kg	SW 8082	10/11/2006
Aroclor 1260	11096-82-5	209	209	U	µg/kg	SW 8082	10/11/2006
Aroclor 1262	37324-23-5	209	209	U	µg/kg	SW 8082	10/11/2006
Aroclor 1268	11100-14-4	209	209	U	µg/kg	SW 8082	10/11/2006
Decachlorobiphenyl	2051-24-3		117%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: Method Blank Project Name: NW Pipe Date Collected: N/A Time Collected: N/A Type: QC Matrix: N/A Basis: N/A	Lab Sample ID: SB1-1005 Date Received: N/A Report Revision No.: 0 Analyzed By: AJT Reviewed By: <i>[Signature]</i>

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>							
Aroclor 1016	12674-11-2	25.0	25.0	U	µg/kg	SW 8082	10/10/2006
Aroclor 1221	11104-28-2	25.0	25.0	U	µg/kg	SW 8082	10/10/2006
Aroclor 1232	11141-16-5	25.0	25.0	U	µg/kg	SW 8082	10/10/2006
Aroclor 1242	53469-21-9	25.0	25.0	U	µg/kg	SW 8082	10/10/2006
Aroclor 1248	12672-29-6	25.0	25.0	U	µg/kg	SW 8082	10/10/2006
Aroclor 1254	11097-69-1	25.0	25.0	U	µg/kg	SW 8082	10/10/2006
Aroclor 1260	11096-82-5	25.0	25.0	U	µg/kg	SW 8082	10/10/2006
Aroclor 1262	37324-23-5	25.0	25.0	U	µg/kg	SW 8082	10/10/2006
Aroclor 1268	11100-14-4	25.0	25.0	U	µg/kg	SW 8082	10/10/2006
Decachlorobiphenyl	2051-24-3		94%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: Blank Spike Project Name: NW Pipe Date Collected: N/A Time Collected: N/A Type: QC Matrix: N/A Basis: N/A	Lab Sample ID: BS1S1005 Date Received: N/A Report Revision No.: 0 Analyzed By: AJT Reviewed By: <i>[Signature]</i>

Analyte	CAS #	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
<i>PCBs as Aroclors</i>						
Aroclor 1016	12674-11-2	73%		%	SW 8082	10/10/2006
Aroclor 1221	11104-28-2	N/A		%	SW 8082	10/10/2006
Aroclor 1232	11141-16-5	N/A		%	SW 8082	10/10/2006
Aroclor 1242	53469-21-9	N/A		%	SW 8082	10/10/2006
Aroclor 1248	12672-29-6	N/A		%	SW 8082	10/10/2006
Aroclor 1254	11097-69-1	N/A		%	SW 8082	10/10/2006
Aroclor 1260	11096-82-5	81%		%	SW 8082	10/10/2006
Aroclor 1262	37324-23-5	N/A		%	SW 8082	10/10/2006
Aroclor 1268	11100-14-4	N/A		%	SW 8082	10/10/2006
Decachlorobiphenyl	2051-24-3	94%	SS			

U=Not detected at specified reporting limit
 SS=Surrogate standard

CASE NARRATIVE
METALS

Lab Reference No.: F2629


Client/Project: NW Pipe

- I. Holding Time:
All acceptance criteria were met.
- II. Digestion Exceptions:
None.
- III. Analysis:
- A. Calibration:
All acceptance criteria were met.
- B. Method Blank(s):
All acceptance criteria were met.
- C. Duplicate Sample(s):
Analysis performed in accordance with standard operating procedure.
- D. Spike Sample(s):
Analysis performed in accordance with standard operating procedure.
- E. Laboratory Control Sample(s):
All acceptance criteria were met.
- F. ICP Interference Check Sample(s):
All acceptance criteria were met.
- G. ICP Serial Dilution(s):
Not required.
- H. Other:
Not applicable.
- IV. Documentation Exceptions:
None.
- V. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Prepared by: Kosung Ahn Date: 10/11/06

Reviewed by: Judy G. [Signature] Date: 10-11-06

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Project Name: NW Pipe	Lab Batch ID: F2629
Date Received: 10/05/06	Analysis Method: SW6010
Type: See C.O.C.	Units: mg/kg
Matrix: Soil	Report Revision No.: 0
Basis: Dry Weight	Reported By: KC
	Reviewed By: 

Client Sample ID	Lab Sample ID	Dilution Factor	MRL	Zinc Result	Qualifier	Date Analyzed
Metals						
SS-01-0	F262901	1	3.5	31.3		10/10/06
SS-02-0	F262902	10	39.7	148		10/10/06
SS-03-0	F262903	1	4.0	263		10/10/06
SS-04-0	F262904	1	3.7	199		10/10/06
SS-05-0	F262905	1	3.9	394		10/10/06
SS-06-0	F262906	1	4.3	237		10/10/06
SS-07-0	F262907	1	3.9	103		10/10/06
SS-08-0	F262908	1	3.7	195		10/10/06
SS-09-0	F262909	1	3.9	135		10/10/06
SS-10-0	F262910	1	3.7	1390		10/10/06
CB-01-0	F262911	1	4.0	3050		10/10/06
CB-02-0	F262912	1	2.8	1170		10/10/06
CB-03-0	F262913	1	4.4	1640		10/10/06
CB-04-0	F262914	1	3.7	174		10/10/06
CB-05-0	F262915	1	3.9	467		10/10/06
SS-11-0	F262916	1	3.8	151		10/10/06
SS-12-0	F262917	1	4.0	241		10/10/06
SS-13-0	F262918	1	4.0	519		10/10/06
SS-14-0	F262919	1	4.0	75.1		10/10/06
SS-15-0	F262920	1	3.9	127		10/10/06
SS-16-0	F262921	1	3.9	80.3		10/10/06
SS-17-0	F262922	1	3.9	70.6		10/10/06
SS-18-0	F262923	1	4.0	141		10/10/06
SS-19-0	F262924	1	3.6	296		10/10/06
SB1-1009	SB1-1009	1	4.0	4.0	U	10/10/06
SB1-1010	SB1-1010	1	4.0	4.0	U	10/10/06

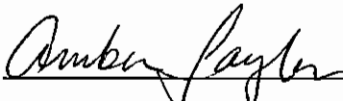
U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

**CASE NARRATIVE
DIESEL RANGE ORGANICS**

Lab Reference No.: F2629

Client/Project: NW Pipe

- I. Holding Times:
All acceptance criteria were met.
- II. Analysis:
- A. Calibration:
All acceptance criteria were met.
- B. Method Blank(s):
All acceptance criteria were met.
- C. Duplicate Sample(s):
Analysis performed in accordance with standard operating procedure.
- D. Spike Sample(s):
Analysis performed in accordance with standard operating procedure.
- E. Lab Control Sample(s):
All acceptance criteria were met.
- F. Surrogate Recoveries:
All acceptance criteria were met.
- G. Other:
Several client samples required dilutions due to hydrocarbons present beyond the C24 range. Because of this presence, multiple samples have elevated reporting limits and are considered non-detect in the C10-C24 range.
- III. Documentation Exceptions:
None.
- IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by:  Date: 10/12/06

Reviewed by:  Date: 10/12/06

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>		<u>Lab Information</u>	
Client Sample ID: SS-01-0		Lab Sample ID: F262901	
Project Name: NW Pipe		Date Received: 10/05/06	
Sample Date: 10/04/06		Dilution Factor: 1	
Sample Time: 10:15		Report Revision No.: 0	
Type: Grab		Reported By: AT	
Matrix: Soil		Reviewed By: <i>MB</i>	
Basis: Dry Weight			

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	4.7	4.7	U	mg/kg	SW8015-E	10/10/06
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Control Limits</u>	<u>Qualifier</u>		
	o-Terphenyl	90		47-142			

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-05-0	Lab Sample ID: F262905
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 20
Sample Time: 10:33	Report Revision No.: 0
Type: Grab	Reported By: AT
Matrix: Soil	Reviewed By: <i>JMS</i>
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	99.8	99.8	U	mg/kg	SW8015-E	10/10/06
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Control Limits</u>		<u>Qualifier</u>	
	o-Terphenyl	75		47-142			

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-08-0	Lab Sample ID: F262908
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 20
Sample Time: 10:54	Report Revision No.: 0
Type: Grab	Reported By: AT
Matrix: Soil	Reviewed By: <i>JMS</i>
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	113	363		mg/kg	SW8015-E	10/10/06
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Control Limits</u>		<u>Qualifier</u>	
	o-Terphenyl	66		47-142			

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-09-0	Lab Sample ID: F262909
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 20
Sample Time: 11:05	Report Revision No.: 0
Type: Grab	Reported By: AT
Matrix: Soil	Reviewed By: <i>MS</i>
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	117	117	U	mg/kg	SW8015-E	10/10/06
	<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>			
	o-Terphenyl	67	47-142				

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>			<u>Lab Information</u>		
Client Sample ID: CB-01-0			Lab Sample ID: F262911		
Project Name: NW Pipe			Date Received: 10/05/06		
Sample Date: 10/04/06			Dilution Factor: 20		
Sample Time: 11:30			Report Revision No.: 0		
Type: Grab			Reported By: AT		
Matrix: Soil			Reviewed By: <i>MB</i>		
Basis: Dry Weight					

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	138	884		mg/kg	SW8015-E	10/10/06
	<u>Surrogate</u>		<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>		
	o-Terphenyl		85	47-142			

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: CB-02-0	Lab Sample ID: F262912
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 20
Sample Time: 11:53	Report Revision No.: 0
Type: Grab	Reported By: AT
Matrix: Soil	Reviewed By: <i>MS</i>
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	94.3	180		mg/kg	SW8015-E	10/10/06
	<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>			
	o-Terphenyl	71	47-142				

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>		<u>Lab Information</u>	
Client Sample ID: CB-03-0		Lab Sample ID: F262913	
Project Name: NW Pipe		Date Received: 10/05/06	
Sample Date: 10/04/06		Dilution Factor: 20	
Sample Time: 12:05		Report Revision No.: 0	
Type: Grab		Reported By: AT	
Matrix: Soil		Reviewed By: <i>MS</i>	
Basis: Dry Weight			

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	162	846		mg/kg	SW8015-E	10/11/06
	<u>Surrogate</u>		<u>% Recovery</u>	<u>Control Limits</u>		<u>Qualifier</u>	
	o-Terphenyl		89	47-142			

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: CB-04-0	Lab Sample ID: F262914
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 20
Sample Time: 12:20	Report Revision No.: 0
Type: Grab	Reported By: AT
Matrix: Soil	Reviewed By: <i>AT</i>
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	77.3	115		mg/kg	SW8015-E	10/11/06
	<u>Surrogate</u>	<u>% Recovery</u>		<u>Control Limits</u>	<u>Qualifier</u>		
	o-Terphenyl	89		47-142			

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>			<u>Lab Information</u>		
Client Sample ID: CB-05-0			Lab Sample ID: F262915		
Project Name: NW Pipe			Date Received: 10/05/06		
Sample Date: 10/04/06			Dilution Factor: 20		
Sample Time: 12:28			Report Revision No.: 0		
Type: Grab			Reported By: AT		
Matrix: Soil			Reviewed By: <i>MS</i>		
Basis: Dry Weight					

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	114	382		mg/kg	SW8015-E	10/11/06
	<u>Surrogate</u>		<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>		
	o-Terphenyl		90	47-142			

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>		<u>Lab Information</u>	
Client Sample ID: SS-13-0		Lab Sample ID: F262918	
Project Name: NW Pipe		Date Received: 10/05/06	
Sample Date: 10/04/06		Dilution Factor: 20	
Sample Time: 12:54		Report Revision No.: 0	
Type: Grab		Reported By: AT	
Matrix: Soil		Reviewed By: <i>[Signature]</i>	
Basis: Dry Weight			

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	141	271		mg/kg	SW8015-E	10/11/06
	<u>Surrogate</u>		<u>% Recovery</u>	<u>Control Limits</u>		<u>Qualifier</u>	
	o-Terphenyl		61	47-142			

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>			<u>Lab Information</u>		
Client Sample ID: SS-15-0			Lab Sample ID: F262920		
Project Name: NW Pipe			Date Received: 10/05/06		
Sample Date: 10/04/06			Dilution Factor: 1		
Sample Time: 13:02			Report Revision No.: 0		
Type: Grab			Reported By: AT		
Matrix: Soil			Reviewed By: MS		
Basis: Dry Weight					

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	4.2	41.7		mg/kg	SW8015-E	10/11/06
	<u>Surrogate</u>		<u>% Recovery</u>	<u>Control Limits</u>		<u>Qualifier</u>	
	o-Terphenyl		106	47-142			

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>				<u>Lab Information</u>			
Client Sample ID: SS-18-0				Lab Sample ID: F262923			
Project Name: NW Pipe				Date Received: 10/05/06			
Sample Date: 10/04/06				Dilution Factor: 20			
Sample Time: 13:30				Report Revision No.: 0			
Type: Grab				Reported By: AT			
Matrix: Soil				Reviewed By: <i>W3</i>			
Basis: Dry Weight							

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	79.7	647		mg/kg	SW8015-E	10/11/06
	<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>			
	o-Terphenyl	107	47-142				

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>				<u>Lab Information</u>			
Client Sample ID: SB2-1006				Lab Sample ID: SB2-1006			
Project Name: NW Pipe				Date Received: N/A			
Sample Date: N/A				Dilution Factor: 1			
Sample Time: N/A				Report Revision No.: 0			
Type: QC				Reported By: AT			
Matrix: Soil				Reviewed By: <i>MS</i>			
Basis: Dry Weight							

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	5.0	5.0	U	mg/kg	SW8015-E	10/10/06
	<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>			
	o-Terphenyl	108	47-142				

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: BS2S1006	Lab Sample ID: BS2S1006
Project Name: NW Pipe	Date Received: N/A
Matrix: Soil	Dilution Factor: 1
	Report Revision No.: 0
	Reported By: AT
	Reviewed By: <i>[Signature]</i>

Analyte	CAS#	Spike Amt	Sample Result	% Recovery	Units	Analysis Method	Date Analyzed
GC Semi-Volatiles							
TPH-Diesel	TPH-Diesel	100.60	95.0	94	%	SW8015-E	10/10/06
	<u>Surrogate</u>		<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>		
	o-Terphenyl		97	75-125			

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CASE NARRATIVE
PAH-SIM

Lab Reference No.: F2629

Client/Project: NW Pipe

- I. Holding Times:
All acceptance criteria were met.
- II. Analysis:
- A. Calibration:
All acceptance criteria were met.
- B. Method Blank(s):
All acceptance criteria were met.
- C. Duplicate Sample(s):
Analysis performed in accordance with standard operating procedure.
- D. Spike Sample(s):
Analysis performed in accordance with standard operating procedure.
- E. Lab Control Sample(s):
All acceptance criteria were met.
- F. Surrogate Recoveries:
Surrogate spikes in all samples except F2629 (1, 5, 9) did not recover due to high dilutions necessary for the PAH analytes. Low dilutions for samples F2629 (8, 9, 11, 12, 13, 18, 23) surrogate spikes were outside acceptance criteria of 18-137 % due to matrix interference.
- G. Other:
Internal standards Chrysene-d12 and Perylene d-12 for F262923 (10 dilution) exceeded the acceptance criteria of 50-200 % due to matrix interference. Sample was re-analyzed at higher dilution and all internal standards met the criteria.
- III. Documentation Exceptions:
None.
- IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by: J. Bleathman Date: 10-25-06

Reviewed by: [Signature] Date: 25 Oct 2006

CH2M HILL Applied Sciences Laboratory

Client Information

Client Sample ID: SS-01-0

Project Name: NW Pipe

Sample Date: 10/04/06

Sample Time: 10:15

Type: Grab

Matrix: Soil

Basis: Dry Weight

Lab Information

Lab Sample ID: F262901

Date Received: 10/05/06

Dilution Factor: 1

Report Revision No.: 1

Reported By: JH


Reviewed By: 

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	2.3	2.3	U	ug/kg	SW8270SIM	10/16/06
Acenaphthylene	208-96-8	2.3	6.1		ug/kg	SW8270SIM	10/16/06
Acenaphthene	83-32-9	2.3	2.3	U	ug/kg	SW8270SIM	10/16/06
Fluorene	86-73-7	2.3	2.5		ug/kg	SW8270SIM	10/16/06
Phenanthrene	85-01-8	2.3	22.5		ug/kg	SW8270SIM	10/16/06
Anthracene	120-12-7	2.3	17.2		ug/kg	SW8270SIM	10/16/06
Fluoranthene	206-44-0	2.3	64.6		ug/kg	SW8270SIM	10/16/06
Pyrene	129-00-0	2.3	62.0		ug/kg	SW8270SIM	10/16/06
Benzo(a)anthracene	56-55-3	2.3	40.4		ug/kg	SW8270SIM	10/16/06
Chrysene	218-01-9	2.3	60.5		ug/kg	SW8270SIM	10/16/06
Benzo(b)fluoranthene	205-99-2	2.3	73.2		ug/kg	SW8270SIM	10/16/06
Benzo(k)fluoranthene	207-08-9	2.3	26.7		ug/kg	SW8270SIM	10/16/06
Benzo(a)pyrene	50-32-8	2.3	51.7		ug/kg	SW8270SIM	10/16/06
Indeno(1,2,3-c,d)pyrene	193-39-5	2.3	29.3		ug/kg	SW8270SIM	10/16/06
Dibenzo(a,h)anthracene	53-70-3	2.3	9.5		ug/kg	SW8270SIM	10/16/06
Benzo(g,h,i)perylene	191-24-2	2.3	36.8		ug/kg	SW8270SIM	10/16/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	98	18-137	

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

Client Information	Lab Information
Client Sample ID: SS-05-0	Lab Sample ID: F262905
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 10
Sample Time: 10:33	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By: 
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	20.9	45.6		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	20.9	85.5		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	20.9	92.6		ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	20.9	65.2		ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	20.9	1130		ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	20.9	364		ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	20.9	3450	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	20.9	3490	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	20.9	3070	E	ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	20.9	3760	E	ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoranthene	205-99-2	20.9	3030	E	ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	20.9	1280		ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	20.9	2420	E	ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	20.9	1370		ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	20.9	565		ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	20.9	1630		ug/kg	SW8270SIM	10/12/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	116	18-137	

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory


<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-05-0DL	Lab Sample ID: F262905DL
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 50
Sample Time: 10:33	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By: 
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	105	105	U	ug/kg	SW8270SIM	10/16/06
Acenaphthylene	208-96-8	105	105	U	ug/kg	SW8270SIM	10/16/06
Acenaphthene	83-32-9	105	105	U	ug/kg	SW8270SIM	10/16/06
Fluorene	86-73-7	105	105	U	ug/kg	SW8270SIM	10/16/06
Phenanthrene	85-01-8	105	1390		ug/kg	SW8270SIM	10/16/06
Anthracene	120-12-7	105	451		ug/kg	SW8270SIM	10/16/06
Fluoranthene	206-44-0	105	4920		ug/kg	SW8270SIM	10/16/06
Pyrene	129-00-0	105	4900		ug/kg	SW8270SIM	10/16/06
Benzo(a)anthracene	56-55-3	105	3680		ug/kg	SW8270SIM	10/16/06
Chrysene	218-01-9	105	4600		ug/kg	SW8270SIM	10/16/06
Benzo(b)fluoranthene	205-99-2	105	4350		ug/kg	SW8270SIM	10/16/06
Benzo(k)fluoranthene	207-08-9	105	1410		ug/kg	SW8270SIM	10/16/06
Benzo(a)pyrene	50-32-8	105	2780		ug/kg	SW8270SIM	10/16/06
Indeno(1,2,3-c,d)pyrene	193-39-5	105	1720		ug/kg	SW8270SIM	10/16/06
Dibenzo(a,h)anthracene	53-70-3	105	626		ug/kg	SW8270SIM	10/16/06
Benzo(g,h,i)perylene	191-24-2	105	2190		ug/kg	SW8270SIM	10/16/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	0.0	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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Client Information		Lab Information	
Client Sample ID: SS-08-0		Lab Sample ID: F262908	
Project Name: NW Pipe		Date Received: 10/05/06	
Sample Date: 10/04/06		Dilution Factor: 10	
Sample Time: 10:54		Report Revision No.: 1	
Type: Grab		Reported By: JH	
Matrix: Soil		Reviewed By: 	
Basis: Dry Weight			

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	20.7	84.3		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	20.7	317		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	20.7	97.0		ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	20.7	111		ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	20.7	1780	E	ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	20.7	814		ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	20.7	7880	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	20.7	8620	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	20.7	6910	E	ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	20.7	7520	E	ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoranthene	205-99-2	20.7	5220	E	ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	20.7	2050	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	20.7	4120	E	ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	20.7	2150	E	ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	20.7	942		ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	20.7	2450	E	ug/kg	SW8270SIM	10/12/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	161	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-08-0DL	Lab Sample ID: F262908DL
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 100
Sample Time: 10:54	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By: ↗
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	207	207	U	ug/kg	SW8270SIM	10/16/06
Acenaphthylene	208-96-8	207	334		ug/kg	SW8270SIM	10/16/06
Acenaphthene	83-32-9	207	207	U	ug/kg	SW8270SIM	10/16/06
Fluorene	86-73-7	207	207	U	ug/kg	SW8270SIM	10/16/06
Phenanthrene	85-01-8	207	2280		ug/kg	SW8270SIM	10/16/06
Anthracene	120-12-7	207	1120		ug/kg	SW8270SIM	10/16/06
Fluoranthene	206-44-0	207	13500		ug/kg	SW8270SIM	10/16/06
Pyrene	129-00-0	207	14400		ug/kg	SW8270SIM	10/16/06
Benzo(a)anthracene	56-55-3	207	8600		ug/kg	SW8270SIM	10/16/06
Chrysene	218-01-9	207	9680		ug/kg	SW8270SIM	10/16/06
Benzo(b)fluoranthene	205-99-2	207	7430		ug/kg	SW8270SIM	10/16/06
Benzo(k)fluoranthene	207-08-9	207	2980		ug/kg	SW8270SIM	10/16/06
Benzo(a)pyrene	50-32-8	207	4970		ug/kg	SW8270SIM	10/16/06
Indeno(1,2,3-c,d)pyrene	193-39-5	207	3030		ug/kg	SW8270SIM	10/16/06
Dibenzo(a,h)anthracene	53-70-3	207	1110		ug/kg	SW8270SIM	10/16/06
Benzo(g,h,i)perylene	191-24-2	207	3690		ug/kg	SW8270SIM	10/16/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	0.0	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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Client Information

Client Sample ID: SS-09-0

Project Name: NW Pipe

Sample Date: 10/04/06

Sample Time: 11:05

Type: Grab

Matrix: Soil

Basis: Dry Weight

Lab Information

Lab Sample ID: F262909

Date Received: 10/05/06

Dilution Factor: 10

Report Revision No.: 1

Reported By: JH


Reviewed By: JS

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	18.7	72.1		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	18.7	48.8		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	18.7	347		ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	18.7	385		ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	18.7	3360	E	ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	18.7	1020		ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	18.7	5750	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	18.7	5180	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	18.7	4020	E	ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	18.7	3670	E	ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoranthene	205-99-2	18.7	3470	E	ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	18.7	1430		ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	18.7	2850	E	ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	18.7	1590	E	ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	18.7	644		ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	18.7	1880	E	ug/kg	SW8270SIM	10/12/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	109	18-137	

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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
Client Information	Lab Information
Client Sample ID: SS-09-0DL	Lab Sample ID: F262909DL
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 100
Sample Time: 11:05	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By: 
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	187	187	U	ug/kg	SW8270SIM	10/16/06
Acenaphthylene	208-96-8	187	187	U	ug/kg	SW8270SIM	10/16/06
Acenaphthene	83-32-9	187	373		ug/kg	SW8270SIM	10/16/06
Fluorene	86-73-7	187	530		ug/kg	SW8270SIM	10/16/06
Phenanthrene	85-01-8	187	4990		ug/kg	SW8270SIM	10/16/06
Anthracene	120-12-7	187	1460		ug/kg	SW8270SIM	10/16/06
Fluoranthene	206-44-0	187	9470		ug/kg	SW8270SIM	10/16/06
Pyrene	129-00-0	187	8170		ug/kg	SW8270SIM	10/16/06
Benzo(a)anthracene	56-55-3	187	5120		ug/kg	SW8270SIM	10/16/06
Chrysene	218-01-9	187	5210		ug/kg	SW8270SIM	10/16/06
Benzo(b)fluoranthene	205-99-2	187	5050		ug/kg	SW8270SIM	10/16/06
Benzo(k)fluoranthene	207-08-9	187	2000		ug/kg	SW8270SIM	10/16/06
Benzo(a)pyrene	50-32-8	187	3280		ug/kg	SW8270SIM	10/16/06
Indeno(1,2,3-c,d)pyrene	193-39-5	187	2320		ug/kg	SW8270SIM	10/16/06
Dibenzo(a,h)anthracene	53-70-3	187	711		ug/kg	SW8270SIM	10/16/06
Benzo(g,h,i)perylene	191-24-2	187	2790		ug/kg	SW8270SIM	10/16/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	0.0	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: CB-01-0	Lab Sample ID: F262911
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 10
Sample Time: 11:30	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By: 
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	33.4	116		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	33.4	382		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	33.4	368		ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	33.4	615		ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	33.4	5160	E	ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	33.4	2030		ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	33.4	11800	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	33.4	11500	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	33.4	8470	E	ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	33.4	11400	E	ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoranthene	205-99-2	33.4	7960	E	ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	33.4	2500		ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	33.4	4690	E	ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	33.4	2790	E	ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	33.4	1100		ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	33.4	2840	E	ug/kg	SW8270SIM	10/12/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	192	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

Client Information		Lab Information	
Client Sample ID: CB-01-0DL		Lab Sample ID: F262911DL	
Project Name: NW Pipe		Date Received: 10/05/06	
Sample Date: 10/04/06		Dilution Factor: 100	
Sample Time: 11:30		Report Revision No.: 1	
Type: Grab		Reported By: JH	
Matrix: Soil		Reviewed By: <i>[Signature]</i>	
Basis: Dry Weight			

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	334	334	U	ug/kg	SW8270SIM	10/16/06
Acenaphthylene	208-96-8	334	352		ug/kg	SW8270SIM	10/16/06
Acenaphthene	83-32-9	334	353		ug/kg	SW8270SIM	10/16/06
Fluorene	86-73-7	334	911		ug/kg	SW8270SIM	10/16/06
Phenanthrene	85-01-8	334	7100		ug/kg	SW8270SIM	10/16/06
Anthracene	120-12-7	334	2730		ug/kg	SW8270SIM	10/16/06
Fluoranthene	206-44-0	334	18600		ug/kg	SW8270SIM	10/16/06
Pyrene	129-00-0	334	17800		ug/kg	SW8270SIM	10/16/06
Benzo(a)anthracene	56-55-3	334	9860		ug/kg	SW8270SIM	10/16/06
Chrysene	218-01-9	334	14500		ug/kg	SW8270SIM	10/16/06
Benzo(b)fluoranthene	205-99-2	334	12800		ug/kg	SW8270SIM	10/16/06
Benzo(k)fluoranthene	207-08-9	334	4690		ug/kg	SW8270SIM	10/16/06
Benzo(a)pyrene	50-32-8	334	7210		ug/kg	SW8270SIM	10/16/06
Indeno(1,2,3-c,d)pyrene	193-39-5	334	4250		ug/kg	SW8270SIM	10/16/06
Dibenzo(a,h)anthracene	53-70-3	334	1640		ug/kg	SW8270SIM	10/16/06
Benzo(g,h,i)perylene	191-24-2	334	4450		ug/kg	SW8270SIM	10/16/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	0.0	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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Client Information

Client Sample ID: CB-02-0

Project Name: NW Pipe

Sample Date: 10/04/06

Sample Time: 11:53

Type: Grab

Matrix: Soil

Basis: Dry Weight

Lab Information

Lab Sample ID: F262912

Date Received: 10/05/06

Dilution Factor: 10

Report Revision No.: 1

Reported By: JH


Reviewed By: JS

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	23.0	382		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	23.0	35.4		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	23.0	614		ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	23.0	758		ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	23.0	5070	E	ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	23.0	1560		ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	23.0	6170	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	23.0	5280	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	23.0	3180	E	ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	23.0	3380	E	ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoranthene	205-99-2	23.0	2700	E	ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	23.0	1020		ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	23.0	2170	E	ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	23.0	968		ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	23.0	407		ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	23.0	1060		ug/kg	SW8270SIM	10/12/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	145	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: CB-02-0DL	Lab Sample ID: F262912DL
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 100
Sample Time: 11:53	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By: 
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	230	384		ug/kg	SW8270SIM	10/16/06
Acenaphthylene	208-96-8	230	230	U	ug/kg	SW8270SIM	10/16/06
Acenaphthene	83-32-9	230	617		ug/kg	SW8270SIM	10/16/06
Fluorene	86-73-7	230	953		ug/kg	SW8270SIM	10/16/06
Phenanthrene	85-01-8	230	6540		ug/kg	SW8270SIM	10/16/06
Anthracene	120-12-7	230	2030		ug/kg	SW8270SIM	10/16/06
Fluoranthene	206-44-0	230	8420		ug/kg	SW8270SIM	10/16/06
Pyrene	129-00-0	230	6860		ug/kg	SW8270SIM	10/16/06
Benzo(a)anthracene	56-55-3	230	3440		ug/kg	SW8270SIM	10/16/06
Chrysene	218-01-9	230	3940		ug/kg	SW8270SIM	10/16/06
Benzo(b)fluoranthene	205-99-2	230	3390		ug/kg	SW8270SIM	10/16/06
Benzo(k)fluoranthene	207-08-9	230	1100		ug/kg	SW8270SIM	10/16/06
Benzo(a)pyrene	50-32-8	230	1920		ug/kg	SW8270SIM	10/16/06
Indeno(1,2,3-c,d)pyrene	193-39-5	230	1170		ug/kg	SW8270SIM	10/16/06
Dibenzo(a,h)anthracene	53-70-3	230	455		ug/kg	SW8270SIM	10/16/06
Benzo(g,h,i)perylene	191-24-2	230	1440		ug/kg	SW8270SIM	10/16/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	0.0	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

Client Information

Client Sample ID: CB-03-0

Project Name: NW Pipe

Sample Date: 10/04/06

Sample Time: 12:05

Type: Grab

Matrix: Soil

Basis: Dry Weight

Lab Information

Lab Sample ID: F262913

Date Received: 10/05/06

Dilution Factor: 10

Report Revision No.: 1

Reported By: JH

Reviewed By: 

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	45.1	1100		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	45.1	174		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	45.1	4090	E	ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	45.1	5800	E	ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	45.1	22900	E	ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	45.1	11700	E	ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	45.1	22600	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	45.1	19200	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	45.1	10700	E	ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	45.1	12400	E	ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoranthene	205-99-2	45.1	8160	E	ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	45.1	2830		ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	45.1	6510	E	ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	45.1	3280		ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	45.1	1330		ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	45.1	3910	E	ug/kg	SW8270SIM	10/12/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	160	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

Client Information	Lab Information
Client Sample ID: CB-03-0DL	Lab Sample ID: F262913DL
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 200
Sample Time: 12:05	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By: 
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	903	1340		ug/kg	SW8270SIM	10/17/06
Acenaphthylene	208-96-8	903	903	U	ug/kg	SW8270SIM	10/17/06
Acenaphthene	83-32-9	903	5290		ug/kg	SW8270SIM	10/17/06
Fluorene	86-73-7	903	9720		ug/kg	SW8270SIM	10/17/06
Phenanthrene	85-01-8	903	41900		ug/kg	SW8270SIM	10/17/06
Anthracene	120-12-7	903	20500		ug/kg	SW8270SIM	10/17/06
Fluoranthene	206-44-0	903	42900		ug/kg	SW8270SIM	10/17/06
Pyrene	129-00-0	903	34500		ug/kg	SW8270SIM	10/17/06
Benzo(a)anthracene	56-55-3	903	14000		ug/kg	SW8270SIM	10/17/06
Chrysene	218-01-9	903	15800		ug/kg	SW8270SIM	10/17/06
Benzo(b)fluoranthene	205-99-2	903	13000		ug/kg	SW8270SIM	10/17/06
Benzo(k)fluoranthene	207-08-9	903	4900		ug/kg	SW8270SIM	10/17/06
Benzo(a)pyrene	50-32-8	903	7700		ug/kg	SW8270SIM	10/17/06
Indeno(1,2,3-c,d)pyrene	193-39-5	903	5350		ug/kg	SW8270SIM	10/17/06
Dibenzo(a,h)anthracene	53-70-3	903	1710		ug/kg	SW8270SIM	10/17/06
Benzo(g,h,i)perylene	191-24-2	903	6120		ug/kg	SW8270SIM	10/17/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	0.0	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

Client Information	Lab Information
Client Sample ID: CB-04-0	Lab Sample ID: F262914
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 10
Sample Time: 12:20	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By:
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	21.2	45.7		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	21.2	31.1		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	21.2	187		ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	21.2	216		ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	21.2	1970	E	ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	21.2	651		ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	21.2	2910	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	21.2	2480	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	21.2	1550		ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	21.2	1740	E	ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoroanthene	205-99-2	21.2	1460		ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	21.2	557		ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	21.2	1160		ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	21.2	588		ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	21.2	247		ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	21.2	657		ug/kg	SW8270SIM	10/12/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	94	18-137	

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

Client Information		Lab Information	
Client Sample ID: CB-04-0DL		Lab Sample ID: F262914DL	
Project Name: NW Pipe		Date Received: 10/05/06	
Sample Date: 10/04/06		Dilution Factor: 50	
Sample Time: 12:20		Report Revision No.: 1	
Type: Grab		Reported By: JH	
Matrix: Soil		Reviewed By: <i>JH</i>	
Basis: Dry Weight			

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	106	106	U	ug/kg	SW8270SIM	10/16/06
Acenaphthylene	208-96-8	106	106	U	ug/kg	SW8270SIM	10/16/06
Acenaphthene	83-32-9	106	190		ug/kg	SW8270SIM	10/16/06
Fluorene	86-73-7	106	277		ug/kg	SW8270SIM	10/16/06
Phenanthrene	85-01-8	106	2420		ug/kg	SW8270SIM	10/16/06
Anthracene	120-12-7	106	830		ug/kg	SW8270SIM	10/16/06
Fluoranthene	206-44-0	106	3870		ug/kg	SW8270SIM	10/16/06
Pyrene	129-00-0	106	3180		ug/kg	SW8270SIM	10/16/06
Benzo(a)anthracene	56-55-3	106	1770		ug/kg	SW8270SIM	10/16/06
Chrysene	218-01-9	106	1920		ug/kg	SW8270SIM	10/16/06
Benzo(b)fluoranthene	205-99-2	106	1760		ug/kg	SW8270SIM	10/16/06
Benzo(k)fluoranthene	207-08-9	106	819		ug/kg	SW8270SIM	10/16/06
Benzo(a)pyrene	50-32-8	106	1150		ug/kg	SW8270SIM	10/16/06
Indeno(1,2,3-c,d)pyrene	193-39-5	106	720		ug/kg	SW8270SIM	10/16/06
Dibenzo(a,h)anthracene	53-70-3	106	266		ug/kg	SW8270SIM	10/16/06
Benzo(g,h,i)perylene	191-24-2	106	890		ug/kg	SW8270SIM	10/16/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	0.0	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory


Client Information	Lab Information
Client Sample ID: CB-05-0	Lab Sample ID: F262915
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 10
Sample Time: 12:28	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By: 
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	34.5	261		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	34.5	151		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	34.5	177		ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	34.5	237		ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	34.5	1930		ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	34.5	599		ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	34.5	3070	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	34.5	2830	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	34.5	1550		ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	34.5	2270		ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoranthene	205-99-2	34.5	1880		ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	34.5	723		ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	34.5	1290		ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	34.5	826		ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	34.5	333		ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	34.5	907		ug/kg	SW8270SIM	10/12/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	118	18-137	

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

Client Information		Lab Information	
Client Sample ID: CB-05-0DL		Lab Sample ID: F262915DL	
Project Name: NW Pipe		Date Received: 10/05/06	
Sample Date: 10/04/06		Dilution Factor: 50	
Sample Time: 12:28		Report Revision No.: 1	
Type: Grab		Reported By: JH	
Matrix: Soil		Reviewed By: 	
Basis: Dry Weight			

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	173	290		ug/kg	SW8270SIM	10/16/06
Acenaphthylene	208-96-8	173	173	U	ug/kg	SW8270SIM	10/16/06
Acenaphthene	83-32-9	173	173	U	ug/kg	SW8270SIM	10/16/06
Fluorene	86-73-7	173	173	U	ug/kg	SW8270SIM	10/16/06
Phenanthrene	85-01-8	173	2410		ug/kg	SW8270SIM	10/16/06
Anthracene	120-12-7	173	678		ug/kg	SW8270SIM	10/16/06
Fluoranthene	206-44-0	173	4010		ug/kg	SW8270SIM	10/16/06
Pyrene	129-00-0	173	3580		ug/kg	SW8270SIM	10/16/06
Benzo(a)anthracene	56-55-3	173	1730		ug/kg	SW8270SIM	10/16/06
Chrysene	218-01-9	173	2560		ug/kg	SW8270SIM	10/16/06
Benzo(b)fluoranthene	205-99-2	173	2500		ug/kg	SW8270SIM	10/16/06
Benzo(k)fluoranthene	207-08-9	173	1000		ug/kg	SW8270SIM	10/16/06
Benzo(a)pyrene	50-32-8	173	1630		ug/kg	SW8270SIM	10/16/06
Indeno(1,2,3-c,d)pyrene	193-39-5	173	936		ug/kg	SW8270SIM	10/16/06
Dibenzo(a,h)anthracene	53-70-3	173	348		ug/kg	SW8270SIM	10/16/06
Benzo(g,h,i)perylene	191-24-2	173	1290		ug/kg	SW8270SIM	10/16/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	0.0	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

Client Information		Lab Information	
Client Sample ID: SS-13-0		Lab Sample ID: F262918	
Project Name: NW Pipe		Date Received: 10/05/06	
Sample Date: 10/04/06		Dilution Factor: 10	
Sample Time: 12:54		Report Revision No.: 1	
Type: Grab		Reported By: JH	
Matrix: Soil		Reviewed By: ↻	
Basis: Dry Weight			

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	23.4	142		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	23.4	340		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	23.4	577		ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	23.4	505		ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	23.4	6460	E	ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	23.4	1800		ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	23.4	13000	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	23.4	12400	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	23.4	10200	E	ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	23.4	11700	E	ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoranthene	205-99-2	23.4	7800	E	ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	23.4	3050	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	23.4	5210	E	ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	23.4	3520	E	ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	23.4	1310		ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	23.4	3930	E	ug/kg	SW8270SIM	10/12/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	193	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

CH2M HILL Applied Sciences Laboratory

Client Information		Lab Information	
Client Sample ID: SS-13-0DL		Lab Sample ID: F262918DL	
Project Name: NW Pipe		Date Received: 10/05/06	
Sample Date: 10/04/06		Dilution Factor: 200	
Sample Time: 12:54		Report Revision No.: 1	
Type: Grab		Reported By: JH	
Matrix: Soil		Reviewed By: ---	
Basis: Dry Weight			

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	469	469	U	ug/kg	SW8270SIM	10/17/06
Acenaphthylene	208-96-8	469	469	U	ug/kg	SW8270SIM	10/17/06
Acenaphthene	83-32-9	469	538		ug/kg	SW8270SIM	10/17/06
Fluorene	86-73-7	469	760		ug/kg	SW8270SIM	10/17/06
Phenanthrene	85-01-8	469	10200		ug/kg	SW8270SIM	10/17/06
Anthracene	120-12-7	469	2890		ug/kg	SW8270SIM	10/17/06
Fluoranthene	206-44-0	469	24900		ug/kg	SW8270SIM	10/17/06
Pyrene	129-00-0	469	22400		ug/kg	SW8270SIM	10/17/06
Benzo(a)anthracene	56-55-3	469	13200		ug/kg	SW8270SIM	10/17/06
Chrysene	218-01-9	469	15100		ug/kg	SW8270SIM	10/17/06
Benzo(b)fluoranthene	205-99-2	469	13800		ug/kg	SW8270SIM	10/17/06
Benzo(k)fluoranthene	207-08-9	469	5070		ug/kg	SW8270SIM	10/17/06
Benzo(a)pyrene	50-32-8	469	8940		ug/kg	SW8270SIM	10/17/06
Indeno(1,2,3-c,d)pyrene	193-39-5	469	6160		ug/kg	SW8270SIM	10/17/06
Dibenzo(a,h)anthracene	53-70-3	469	2150		ug/kg	SW8270SIM	10/17/06
Benzo(g,h,i)perylene	191-24-2	469	7180		ug/kg	SW8270SIM	10/17/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	0.0	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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Client Information

Client Sample ID: SS-15-0

Project Name: NW Pipe

Sample Date: 10/04/06

Sample Time: 13:02

Type: Grab

Matrix: Soil

Basis: Dry Weight

Lab Information

Lab Sample ID: F262920

Date Received: 10/05/06

Dilution Factor: 1

Report Revision No.: 1

Reported By: JH

Reviewed By: 

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	2.1	4.4		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	2.1	8.4		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	2.1	12.5		ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	2.1	8.7		ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	2.1	125		ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	2.1	99.8		ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	2.1	353	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	2.1	370	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	2.1	280	E	ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	2.1	284	E	ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoranthene	205-99-2	2.1	441	E	ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	2.1	167		ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	2.1	303	E	ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	2.1	208	E	ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	2.1	79.1		ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	2.1	246	E	ug/kg	SW8270SIM	10/12/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	102	18-137	

U=Not detected at specified reporting limit

J=Estimated value below reporting limit

E=Estimated value above calibration range

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
<u>Client Information</u>	<u>Lab Information</u>
Client Sample ID: SS-15-0DL	Lab Sample ID: F262920DL
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 5
Sample Time: 13:02	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By: 
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	10.4	10.4	U	ug/kg	SW8270SIM	10/16/06
Acenaphthylene	208-96-8	10.4	10.4	U	ug/kg	SW8270SIM	10/16/06
Acenaphthene	83-32-9	10.4	11.1		ug/kg	SW8270SIM	10/16/06
Fluorene	86-73-7	10.4	10.4	U	ug/kg	SW8270SIM	10/16/06
Phenanthrene	85-01-8	10.4	131		ug/kg	SW8270SIM	10/16/06
Anthracene	120-12-7	10.4	42.4		ug/kg	SW8270SIM	10/16/06
Fluoranthene	206-44-0	10.4	435		ug/kg	SW8270SIM	10/16/06
Pyrene	129-00-0	10.4	444		ug/kg	SW8270SIM	10/16/06
Benzo(a)anthracene	56-55-3	10.4	299		ug/kg	SW8270SIM	10/16/06
Chrysene	218-01-9	10.4	354		ug/kg	SW8270SIM	10/16/06
Benzo(b)fluoranthene	205-99-2	10.4	416		ug/kg	SW8270SIM	10/16/06
Benzo(k)fluoranthene	207-08-9	10.4	140		ug/kg	SW8270SIM	10/16/06
Benzo(a)pyrene	50-32-8	10.4	274		ug/kg	SW8270SIM	10/16/06
Indeno(1,2,3-c,d)pyrene	193-39-5	10.4	194		ug/kg	SW8270SIM	10/16/06
Dibenzo(a,h)anthracene	53-70-3	10.4	63.7		ug/kg	SW8270SIM	10/16/06
Benzo(g,h,i)perylene	191-24-2	10.4	245		ug/kg	SW8270SIM	10/16/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	101	18-137	

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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
Client Information	Lab Information
Client Sample ID: SS-18-0	Lab Sample ID: F262923
Project Name: NW Pipe	Date Received: 10/05/06
Sample Date: 10/04/06	Dilution Factor: 10
Sample Time: 13:30	Report Revision No.: 1
Type: Grab	Reported By: JH
Matrix: Soil	Reviewed By: 
Basis: Dry Weight	

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	20.8	466		ug/kg	SW8270SIM	10/12/06
Acenaphthylene	208-96-8	20.8	329		ug/kg	SW8270SIM	10/12/06
Acenaphthene	83-32-9	20.8	3520	E	ug/kg	SW8270SIM	10/12/06
Fluorene	86-73-7	20.8	3360	E	ug/kg	SW8270SIM	10/12/06
Phenanthrene	85-01-8	20.8	26200	E	ug/kg	SW8270SIM	10/12/06
Anthracene	120-12-7	20.8	11400	E	ug/kg	SW8270SIM	10/12/06
Fluoranthene	206-44-0	20.8	40700	E	ug/kg	SW8270SIM	10/12/06
Pyrene	129-00-0	20.8	35100	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)anthracene	56-55-3	20.8	210000	E	ug/kg	SW8270SIM	10/12/06
Chrysene	218-01-9	20.8	168000	E	ug/kg	SW8270SIM	10/12/06
Benzo(b)fluoranthene	205-99-2	20.8	665000	E	ug/kg	SW8270SIM	10/12/06
Benzo(k)fluoranthene	207-08-9	20.8	158000	E	ug/kg	SW8270SIM	10/12/06
Benzo(a)pyrene	50-32-8	20.8	423000	E	ug/kg	SW8270SIM	10/12/06
Indeno(1,2,3-c,d)pyrene	193-39-5	20.8	308000	E	ug/kg	SW8270SIM	10/12/06
Dibenzo(a,h)anthracene	53-70-3	20.8	146000	E	ug/kg	SW8270SIM	10/12/06
Benzo(g,h,i)perylene	191-24-2	20.8	313000	E	ug/kg	SW8270SIM	10/12/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	456	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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Client Information				Lab Information			
Client Sample ID: SS-18-ODL				Lab Sample ID: F262923DL			
Project Name: NW Pipe				Date Received: 10/05/06			
Sample Date: 10/04/06				Dilution Factor: 400			
Sample Time: 13:30				Report Revision No.: 1			
Type: Grab				Reported By: JH			
Matrix: Soil				Reviewed By: 			
Basis: Dry Weight							

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	832	832	U	ug/kg	SW8270SIM	10/17/06
Acenaphthylene	208-96-8	832	832	U	ug/kg	SW8270SIM	10/17/06
Acenaphthene	83-32-9	832	1850		ug/kg	SW8270SIM	10/17/06
Fluorene	86-73-7	832	2350		ug/kg	SW8270SIM	10/17/06
Phenanthrene	85-01-8	832	27700		ug/kg	SW8270SIM	10/17/06
Anthracene	120-12-7	832	10200		ug/kg	SW8270SIM	10/17/06
Fluoranthene	206-44-0	832	59200		ug/kg	SW8270SIM	10/17/06
Pyrene	129-00-0	832	52600		ug/kg	SW8270SIM	10/17/06
Benzo(a)anthracene	56-55-3	832	33800		ug/kg	SW8270SIM	10/17/06
Chrysene	218-01-9	832	36700		ug/kg	SW8270SIM	10/17/06
Benzo(b)fluoranthene	205-99-2	832	30800		ug/kg	SW8270SIM	10/17/06
Benzo(k)fluoranthene	207-08-9	832	11800		ug/kg	SW8270SIM	10/17/06
Benzo(a)pyrene	50-32-8	832	18700		ug/kg	SW8270SIM	10/17/06
Indeno(1,2,3-c,d)pyrene	193-39-5	832	12700		ug/kg	SW8270SIM	10/17/06
Dibenzo(a,h)anthracene	53-70-3	832	4710		ug/kg	SW8270SIM	10/17/06
Benzo(g,h,i)perylene	191-24-2	832	13700		ug/kg	SW8270SIM	10/17/06

Surrogate	% Recovery	Control Limits	Qualifier
Terphenyl-d14	0.0	18-137	1 *

U=Not detected at specified reporting limit
 J=Estimated value below reporting limit
 E=Estimated value above calibration range

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Client Information

Client Sample ID: SB2-1005

Project Name: NW Pipe

Sample Date: N/A

Sample Time: N/A

Type: QC

Matrix: Soil

Basis: Dry Weight

Lab Information


Lab Sample ID: SB2-1005

Date Received: N/A

Dilution Factor: 1

Report Revision No.: 1

Reported By: JH

Reviewed By: 

Analyte	CAS#	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
GC/MS							
Naphthalene	91-20-3	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Acenaphthylene	208-96-8	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Acenaphthene	83-32-9	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Fluorene	86-73-7	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Phenanthrene	85-01-8	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Anthracene	120-12-7	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Fluoranthene	206-44-0	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Pyrene	129-00-0	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Benzo(a)anthracene	56-55-3	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Chrysene	218-01-9	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Benzo(b)fluoranthene	205-99-2	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Benzo(k)fluoranthene	207-08-9	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Benzo(a)pyrene	50-32-8	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Indeno(1,2,3-c,d)pyrene	193-39-5	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Dibenzo(a,h)anthracene	53-70-3	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06
Benzo(g,h,i)perylene	191-24-2	2.5	2.5	U	ug/kg	SW8270SIM	10/16/06

<u>Surrogate</u>	<u>% Recovery</u>	<u>Control Limits</u>	<u>Qualifier</u>
Terphenyl-d14	105	18-137	

U=Not detected at specified reporting limit

J=Estimated value below reporting limit

E=Estimated value above calibration range

Project # 346756.06.05		Purchase Order #		Requested Analytical Method #				THIS AREA FOR LAB USE ONLY				
Project Name Northwest Pipe				Preservative				Lab #	Page	of		
Company Name CH2M Hill				Metals Zn				F2629	2	3		
Report to: Pat Heins (PDX)		Phone No: (503) 235-5000		8270 SIM PAHs								
e data to Tina Rice (PDX)				8082 PCBs								
Requested Completion Date: Standard		Sample Disposal: Dispose <input checked="" type="checkbox"/> Return <input type="checkbox"/>		TOTAL # OF CONTAINERS								
Sampling	Date	Time	Type			Matrix	CLIENT SAMPLE ID (8 CHARACTERS)	LAB QC	EPA Tier QC Level	Alternate Description	Lab ID	Date/Time
			C O M P	G R A M	W A T E R							
	10/4/06	1153					CB - 02 - 0					12
		1205					CB - 03 - 0					13
		1220					CB - 04 - 0					14
		1228					CB - 05 - 0					15
		1243		X			SS - 11 - 0					16
		1246		X			SS - 12 - 0					17
		1254		X			SS - 13 - 0					18
		1300		X			SS - 14 - 0					19
		1302		X			SS - 15 - 0					20
		1315		X			SS - 16 - 0					21
		1322		X			SS - 17 - 0					22
Relinquished By		Date/Time		Received By		Date/Time						
<i>Pat Heins</i>		10/4/06 1500		Pat Heins								
Sampled By and Title		Date/Time		Relinquished By		Date/Time						
Received By		Date/Time		Relinquished By		Date/Time						
<i>Alamy Hubbard</i>		10/5/06 11:07										
Received By		Date/Time		Shipped Via		Shipping #						
				UPS Fed-Ex Other								
Special Instructions:												



Sample Receipt Exception Report

Sample Batch Number: F2629 Client /Project NORTHWEST PIPE

The following exceptions were noted:	Comments (write number of exception description and the impacted sample numbers)
1. No custody seal as required by project	10) SAMPLE # 55-18-0; LABEL TIME 13:10 COC TIME 13:30 (F2623 ROB CE. F2629 23)
2. No chain-of-custody provided	
3. Analysis, description, date of collection not provided	
4. Samples broken or leaking on receipt.	11) Replaced cracked lid on F2629-14 (CB-04-0)
5. Temperature of samples inappropriate for analysis requested	
6. Container inappropriate for analysis requested	
7. Inadequate sample volume.	
8. Preservation inappropriate for analysis requested	
9. Samples received out of holding time for analysis requested	
X 10. Discrepancies between COC form and container labels.	
X 11. Other.	

ACTION TAKEN: 10) Refer to client - use 1330 see attached email
11) No more action required
TPH-Dx requested. See attached email

Originator: Claudia Echols Date: 10-5-06
Client was notified on: (Date/Time) 10/5/06 1200 Client Contact: Pat Heins (POX)



Sample Receipt Record

Batch Number: F2629

Date received: 10-5-06

Client/Project Northwest Pipe

VERIFICATION OF SAMPLE CONDITIONS (verify all items) * HD = Client Hand delivered Samples

Observation	YES	NO
Radiological Screening for AFCEE		X
Were custody seals intact and on the outside of the cooler?	X	
If yes, Where? Front <u>X</u> Rear <u>X</u> Lt Side _____ Rt Side _____		
Type of packing material: <u>Ice</u> Blue Ice Bubble wrap		
Was the Chain of Custody inside the cooler?	X	X
Was the Chain of Custody properly filled out?	X	X
Were the sample containers in good condition?	X	X
Containers supplied by ASL?	X	
Any sample with < 1/2 holding time remaining? If so contact LPM		X
Was there ice in the cooler? Enter temp. <u>0.4 C</u>	X	
All VOCs free of air bubbles?		NA

VERIFICATION OF SAMPLE PRESERVATION

Sample No	Nutrients pH <2	Metals pH <2	Volatiles pH <2	Cyanides pH >12	TOC pH <2	TOX pH <2	Other (specify)	N/A (soils/impres)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								

LOGIN AND pH VERIFICATIONS PERFORMED BY

Daisy Hubbard 10-5-06 11:15

Date/Time

Date/Time