EPA Region 5 Records Ctr.
311779

FINAL REPORT

REMEDIAL INVESTIGATION REPORT

ASHLAND/NORTHERN STATES POWER LAKEFRONT SUPERFUND SITE

VOLUME 9 OF 12

Prepared for

Northern States Power Company - WI
1414 West Hamilton Avenue
Eau Claire, WI 54701

August 31, 2007

URS

6737 W. Washington Street, Suite 2265
Milwaukee, WI 53214
25688375.70000

APPENDIX G

DATA VALIDATION REPORTS

PART 3

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-F-2-7

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99866

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569158

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 20.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.7	

0050

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-2-8

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 99866

Lab Code: STLVT

Case No.: 24000

Lab Sample ID: 569159

Matrix: TISSUE

Client: URSCO9

Date Received: 04/24/04

% Solids: 20.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.8	

0051

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-W-2-DU

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99866

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569160

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 22.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	2.6	

0052

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-2

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 99866

Lab Code: STLVT

Case No.: 24000

Lab Sample ID: 569161

Matrix: TISSUE

Client: URSCO9

Date Received: 04/24/04

% Solids: 22.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	3.0	

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ENVIRONMENTAL
Data Services, Inc.

% LIPIDS
USEPA Level IV Review

Site: NSP Ashland Project SDG #: 99877

Client: URS Corporation, Milwaukee, Wisconsin Date: June 16, 2004

Laboratory: Severn Trent Laboratories, Burlington, VT Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NSTAOMORDAX-F-3-1	569163	Tissue
2	NSTAOMORDAX-F-3-2	569164	Tissue
3	NSTAOMORDAX-F-3-3	569165	Tissue
4	NSTAOMORDAX-F-3-4	569166	Tissue
5	NSTAOMORDAX-F-3-5	569167	Tissue
6	NSTAOMORDAX-F-3-6	569168	Tissue
7	NSTAOMORDAX-F-3-7	569169	Tissue
8	NSTAOMORDAX-F-3-8	569170	Tissue
9	NSTAOMORDAX-F-3-DUP	569171	Tissue
10	NSTAOMORDAX-F-3	569172	Tissue
11	NSTAOMORDAX-W-3-9	569173	Tissue
12	NSTAOMORDAX-W-3-10	569174	Tissue
13	NSTAOMORDAX-W-3-11	569175	Tissue
14	NSTAOMORDAX-W-3-12	569176	Tissue
15	NSTAOMORDAX-W-3-13	569177	Tissue
16	NSTAOMORDAX-W-3-14	569178	Tissue
17	NSTAOMORDAX-W-3-15	569179	Tissue
18	NSTAOMORDAX-W-3-16	569180	Tissue
19	NSTAOMORDAX-W-3-DUP	569181	Tissue
20	NSTAOMORDAX-W-3	569182	Tissue

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," July 2002, was used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 28 days.

Method and Calibration Blanks - The method blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

Matrix Spike - A matrix spike sample was not analyzed.

Sample Duplicate - The sample duplicates exhibited acceptable RPD values except the following.

Sample ID	Compound	RPD	Qualifier	Affected Samples
W-3	% Lipids	24%	J	20

LCS - A LCS sample was not analyzed.

Field Duplicates - Field duplicate results are summarized below.

Compound	F-3 %	F-3-DUP %	RPD	Qualifier
% Lipids	1.5	1.6	6%	None

Compound	W-3 %	W-3-DUP %	RPD	Qualifier
% Lipids	3.3	3.1	6%	None

Compound Quantitation - No discrepancies were identified.

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-3-1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99877

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569163

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 22.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	2.1	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-F-3-2

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99877

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569164

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 21.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	1.5	

REVISED
JUN 18 2004

6/21/04
Added By DD

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0033A

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-3-3

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 99877

Lab Code: STLVT

Case No.: 24000

Lab Sample ID: 569165

Matrix: TISSUE

Client: URSCO9

Date Received: 04/24/04

% Solids: 21.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	1.7	

REVISED
JUN 18 2004
By PD

6/21/04
0033B last Alpha

Added

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-3-4

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99877

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569166

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 20.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	1.8	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-3-5

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99877

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569167

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 22.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	1.9	

06/16/04
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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-F-3-6

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99877

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569168

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 20.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	1.6	

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06/16/04

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-3-7

Lab Name: STL BURLINGTON | Contract: 25888375 | SDG No.: 99877

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569169

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 22.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIOS	%Lipids Determination	05/02/04		%	1	0.1	1.4	

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06/16/04
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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-3-8

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99877

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569170

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 21.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	1.8	

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06/16/04

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-F-3-DUP

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99877

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569171

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 20.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	1.6	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-F-3

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99877

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569172

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 20.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	1.5	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-3-9

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 99877

Lab Code: STLVT

Case No.: 24000

Lab Sample ID: 569173

Matrix: TISSUE

Client: URSCO9

Date Received: 04/24/04

% Solids: 23.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	3.3	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-W-3-10

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99877

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569174

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 22.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	3.6	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-W-3-11

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99877

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569175

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 22.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	3.2	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-W-3-12

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99877

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569176

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 21.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	2.8	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-3-13

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99877

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569177

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 21.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	06/02/04		%	1	0.1	2.7	

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06/16/04

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-W-3-14

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99877

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569178

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 21.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	2.9	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-3-15

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99877

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569179

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 22.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	3.3	

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06/16/04

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-3-16

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99877

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569180

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 22.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	3.1	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-3-DU

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99877

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569181

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 22.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	3.1	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-3

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99877

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569182

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 21.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/02/04		%	1	0.1	3.3 J	

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06/16/04

ENVIRONMENTAL
Data Services, Inc.

POLYNUCLEAR AROMATIC HYDROCARBONS
USEPA Level IV Review

Site: NSP Ashland Project SDG #: 99866

Client: URS Corporation, Milwaukee, Wisconsin Date: June 16, 2004

Laboratory: Severn Trent Laboratories, Burlington, VT Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NSTAOMORDAX-W-1-1	569142	Tissue
2	NSTAOMORDAX-W-1-2	569143	Tissue
3	NSTAOMORDAX-W-1-3	569144	Tissue
4	NSTAOMORDAX-F-1-4	569145	Tissue
5	NSTAOMORDAX-F-1-5	569146	Tissue
6	NSTAOMORDAX-F-1-6	569147	Tissue
7	NSTAOMORDAX-F-1-7	569148	Tissue
8	NSTAOMORDAX-W-1-8	569149	Tissue
9	NSTAOMORDAX-F-1-DUP	569150	Tissue
10	NSTAOMORDAX-F-1	569151	Tissue
10MS	NSTAOMORDAX-F-1MS	569151MS	Tissue
10MSD	NSTAOMORDAX-F-1MSD	569151MSD	Tissue
11	NSTAOMORDAX-W-2-1	569152	Tissue
12	NSTAOMORDAX-W-2-2	569153	Tissue
13	NSTAOMORDAX-W-2-3	569154	Tissue
14	NSTAOMORDAX-W-2-4	569155	Tissue
15	NSTAOMORDAX-F-2-5	569156	Tissue
16	NSTAOMORDAX-F-2-6	569157	Tissue
17	NSTAOMORDAX-F-2-7	569158	Tissue
18	NSTAOMORDAX-F-2-8	569159	Tissue
19	NSTAOMORDAX-W-2-DUP	569160	Tissue
20	NSTAOMORDAX-W-2	569161	Tissue
20MS	NSTAOMORDAX-W-2MS	569161MS	Tissue
20MSD	NSTAOMORDAX-W-2MSD	569161MSD	Tissue

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, was used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 14 days for tissue samples and analyzed within 40 days for all samples.

GC/MS Tuning - All of the tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
W-2	Naphthalene	50%/50%/ok	J

Laboratory Control Sample - The LCS sample(s) exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria except the following.

Sample ID	Internal Standard	Area Count	Qualifier
W-1-8	IS1, IS2, IS4, IS5	Low	J/UJ Associated Compounds

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate results are summarized below.

Compound	F-1 ug/kg	F-1-DUP ug/kg	RPD	Qualifier
Naphthalene	ND	2	NC	None
Phenanthrene	5.7	3.3	53%	None
Acenaphthene	2.3	ND	NC	None
Fluorene	2.1	ND	NC	None

Compound	W-2 ug/kg	W-2-DUP ug/kg	RPD	Qualifier
Naphthalene	11	2.4	128%	None
2-Methylnaphthalene	8.6	2.2	119%	None

Compound	W-2 ug/kg	W-2-DUP ug/kg	RPD	Qualifier
1-Methylnaphthalene	4.3	ND	NC	None
2,6-Dimethylnaphthalene	2.2	ND	NC	None
Acenaphthene	8.4	3.4	85%	None
Fluorene	6.9	3.4	68%	None
Dibenzothiophene	2.1	ND	NC	None
Phenanthrene	23	12	63%	None
Anthracene	2.6	ND	NC	None
Fluoranthene	9.8	5.1	63%	None
Pyrene	5.6	3.2	55%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-1-1

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569142

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569142

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/06/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.2	
91-57-6	2-Methylnaphthalene	2.0	
90-12-0	1-Methylnaphthalene	2.3	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	4.6	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	3.7	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	12	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.6	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/16/04
CG

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-1-2

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569143

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569143

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000(uL) Date Analyzed: 05/06/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.3	
91-57-6	2-Methylnaphthalene	3.3	
90-12-0	1-Methylnaphthalene	6.3	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.9	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	7.4	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	4.6	
132-65-0	Dibenzothiophene	2.3	
85-01-8	Phenanthrene	10	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.2	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/16/04
CC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

W-1-3

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569144

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569144

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/06/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.6	
91-57-6	2-Methylnaphthalene	3.9	
90-12-0	1-Methylnaphthalene	5.9	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.7	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	8.3	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	5.7	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	12	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.6	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/06/04

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

F-1-4

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569145

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569145

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/06/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	4.2	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/16/04
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-1-5

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569146

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569146

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/06/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.5	
91-57-6	2-Methylnaphthalene	2.7	
90-12-0	1-Methylnaphthalene	4.2	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.2	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	5.9	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	3.2	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	8.6	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.8	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/10/04

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-1-6

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569147

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569147

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/06/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.2	
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	5.2	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/16/04
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

F-1-7

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569148

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569148

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/06/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.1	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	4.4	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/16/04
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

W-1-8

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569149

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569149

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/07/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	J
91-57-6	2-Methylnaphthalene	2.0	~~U~~ UJ
90-12-0	1-Methylnaphthalene	2.0	J
92-52-4	Biphenyl	2.0	~~U~~ UJ
581-42-0	2,6 Dimethylnaphthalene	2.0	~~U~~ UJ
208-96-8	Acenaphthylene	2.0	~~U~~ UJ
83-32-9	Acenaphthene	2.2	J
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	~~U~~ UJ
86-73-7	Fluorene	2.0	~~U~~
132-65-0	Dibenzothiophene	2.0	~~U~~
85-01-8	Phenanthrene	3.8	J
120-12-7	Anthracene	2.0	~~U~~ UJ
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/14/04

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-1-DUP

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569150

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569150

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/07/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	3.3	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/16/04
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-1

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569151

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569151

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/07/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.3	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.1	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	5.7	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

W-2-1

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569152

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569152

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/07/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	3.7	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	3.4	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	12	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	4.2	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/16/04
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-2-2

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569153

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569153

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/07/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	
91-57-6	2-Methylnaphthalene	2.3	
90-12-0	1-Methylnaphthalene	2.4	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	5.8	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	4.7	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	14	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	5.0	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/16/04
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-2-3

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569154

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569154

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/07/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.4	
91-57-6	2-Methylnaphthalene	2.1	
90-12-0	1-Methylnaphthalene	2.3	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	4.3	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	3.5	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	14	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	5.3	
129-00-0	Pyrene	2.3	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/16/04

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-2-4

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569155

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569155

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/11/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	80	
91-57-6	2-Methylnaphthalene	43	
90-12-0	1-Methylnaphthalene	72	
92-52-4	Biphenyl	7.0	
581-42-0	2,6 Dimethylnaphthalene	20	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	69	
2245-38-7	2,3,5 Trimethylnaphthalene	6.2	
86-73-7	Fluorene	21	
132-65-0	Dibenzothiophene	4.0	
85-01-8	Phenanthrene	35	
120-12-7	Anthracene	8.1	
832-69-9	1-Methylphenanthrene	3.3	
206-44-0	Fluoranthene	10	
129-00-0	Pyrene	7.4	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

F-2-5

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569156

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569156

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000(uL) Date Analyzed: 05/11/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.1	
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	4.0	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	3.2	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	11	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.7	
129-00-0	Pyrene	2.1	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-2-6

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569157

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569157

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/11/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.1	
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.8	
83-32-9	Acenaphthene	3.7	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	3.5	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	12	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	9.7	
129-00-0	Pyrene	12	
56-55-3	Benzo(a)anthracene	10	
218-01-9	Chrysene	8.7	
205-99-2	Benzo(b)fluoranthene	8.5	
207-08-9	Benzo(k)fluoranthene	10	
192-97-2	Benzo(e)pyrene	8.1	
50-32-8	Benzo(a)pyrene	14	
198-55-0	Perylene	2.5	
193-39-5	Indeno(1,2,3-cd)pyrene	5.5	
53-70-3	Dibenz(a,h)anthracene	2.3	
191-24-2	Benzo(g,h,i)perylene	6.6	

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

F-2-7

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569158

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569158

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000(uL) Date Analyzed: 05/11/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	12	
91-57-6	2-Methylnaphthalene	2.7	
90-12-0	1-Methylnaphthalene	2.6	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	3.8	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.5	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	8.6	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.2	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-2-8

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569159

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569159

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000(uL) Date Analyzed: 05/11/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.1	
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	3.1	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.2	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	8.5	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.3	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

06/16/04

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

W-2-DUP

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569160

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569160

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/11/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.4	
91-57-6	2-Methylnaphthalene	2.2	
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	3.4	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	3.4	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	12	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	5.1	
129-00-0	Pyrene	3.2	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-2

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99866

Matrix: (soil/water) TISSUE Lab Sample ID: 569161

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569161

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 04/30/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/11/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	11	J
91-57-6	2-Methylnaphthalene	8.6	
90-12-0	1-Methylnaphthalene	4.3	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.2	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	8.4	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	6.9	
132-65-0	Dibenzothiophene	2.1	
85-01-8	Phenanthrene	23	
120-12-7	Anthracene	2.6	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	9.8	
129-00-0	Pyrene	5.6	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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ENVIRONMENTAL
Data Services, Inc.

% LIPIDS
USEPA Level IV Review

Site: NSP Ashland Project SDG #: 99866

Client: URS Corporation, Milwaukee, Wisconsin Date: June 16, 2004

Laboratory: Severn Trent Laboratories, Burlington, VT Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NSTAOMORDAX-W-1-1	569142	Tissue
2	NSTAOMORDAX-W-1-2	569143	Tissue
3	NSTAOMORDAX-W-1-3	569144	Tissue
4	NSTAOMORDAX-F-1-4	569145	Tissue
5	NSTAOMORDAX-F-1-5	569146	Tissue
6	NSTAOMORDAX-F-1-6	569147	Tissue
7	NSTAOMORDAX-F-1-7	569148	Tissue
8	NSTAOMORDAX-F-1-8	569149	Tissue
9	NSTAOMORDAX-F-1-DUP	569150	Tissue
10	NSTAOMORDAX-F-1	569151	Tissue
11	NSTAOMORDAX-W-2-1	569152	Tissue
12	NSTAOMORDAX-W-2-2	569153	Tissue
13	NSTAOMORDAX-W-2-3	569154	Tissue
14	NSTAOMORDAX-W-2-4	569155	Tissue
15	NSTAOMORDAX-F-2-5	569156	Tissue
16	NSTAOMORDAX-F-2-6	569157	Tissue
17	NSTAOMORDAX-F-2-7	569158	Tissue
18	NSTAOMORDAX-F-2-8	569159	Tissue
19	NSTAOMORDAX-W-2-DUP	569160	Tissue
20	NSTAOMORDAX-W-2	569161	Tissue

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," July 2002, was used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 28 days.

Method and Calibration Blanks - The method blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

Matrix Spike - A matrix spike sample was not analyzed.

Sample Duplicate - The sample duplicates exhibited acceptable RPD values.

LCS - A LCS sample was not analyzed.

Field Duplicates - Field duplicate results are summarized below.

Compound	F-1 %	F-1-DUP %	RPD	Qualifier
% Lipids	1.5	1.4	7%	None

Compound	W-2 %	W-2-DUP %	RPD	Qualifier
% Lipids	3.0	2.6	14%	None

Compound Quantitation - No discrepancies were identified.

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-1-1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99866

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569142

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 22.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	3.1	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-W-1-2

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99866

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569143

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 23.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	3.5	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-W-1-3

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99866

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569144

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 23.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	3.5	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample
NSTAOMORDAX

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99866

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 5691

Matrix: TISSUE
Client: URSCO9
Date Received: 04/2

% Solids: 20.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.5

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample
NSTAOMORDA

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99866

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/2

% Solids: 22.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.
LIPOS	%Lipids Determination	05/01/04		%	1	0.1	1.6

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-1-6

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99866

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569147

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 20.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.7	

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CG

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-1-7

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99866

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569148

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 21.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.7	

0039

05/16/04
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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-1-8

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99866

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569149

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 24.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	3.3	

0040

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-F-1-DUP

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99866

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569150

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 19.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.4	

0041

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99866

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569151

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 20.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.5	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-W-2-1

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99866

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569152

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 22.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	2.4	

0044

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-2-2

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99866

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569153

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 22.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	3.9	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-2-3

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 99866

Lab Code: STLVT

Case No.: 24000

Lab Sample ID: 569154

Matrix: TISSUE

Client: URSCO9

Date Received: 04/24/04

% Solids: 22.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	2.5	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-W-2-4

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99868

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569155

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 22.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	06/01/04		%	1	0.1	3.2	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-F-2-5

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99866

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569156

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 23.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.8	

0048

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-2-6

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99866

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569157

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 22.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.7	

0049

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-2-7

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 99866

Lab Code: STLVT

Case No.: 24000

Lab Sample ID: 569158

Matrix: TISSUE

Client: URSCO9

Date Received: 04/24/04

% Solids: 20.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.7	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-F-2-8

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 99866

Lab Code: STLVT

Case No.: 24000

Lab Sample ID: 569159

Matrix: TISSUE

Client: URSCO9

Date Received: 04/24/04

% Solids: 20.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	1.8	

0051

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
NSTAOMORDAX-W-2-DU

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 99866

Lab Code: STLVT
Case No.: 24000
Lab Sample ID: 569160

Matrix: TISSUE
Client: URSCO9
Date Received: 04/24/04

% Solids: 22.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	2.6	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

NSTAOMORDAX-W-2

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 99866

Lab Code: STLVT | Case No.: 24000 | Lab Sample ID: 569161

Matrix: TISSUE | Client: URSCO9 | Date Received: 04/24/04

% Solids: 22.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	05/01/04		%	1	0.1	3.0	

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05/11/04

ENVIRONMENTAL
Data Services, Inc.

POLYNUCLEAR AROMATIC HYDROCARBONS
USEPA Level IV Review

Site: NSP Ashland Project SDG #: 99877

Client: URS Corporation, Milwaukee, Wisconsin Date: June 16, 2004

Laboratory: Severn Trent Laboratories, Burlington, VT Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NSTAOMORDAX-F-3-1	569163	Tissue
2	NSTAOMORDAX-F-3-2	569164	Tissue
3	NSTAOMORDAX-F-3-3	569165	Tissue
4	NSTAOMORDAX-F-3-4	569166	Tissue
5	NSTAOMORDAX-F-3-5	569167	Tissue
6	NSTAOMORDAX-F-3-6	569168	Tissue
7	NSTAOMORDAX-F-3-7	569169	Tissue
8	NSTAOMORDAX-F-3-8	569170	Tissue
9	NSTAOMORDAX-F-3-DUP1	569171	Tissue
10	NSTAOMORDAX-F-3	569172	Tissue
10MS	NSTAOMORDAX-F-3MS	569172MS	Tissue
10MSD	NSTAOMORDAX-F-3MSD	569172MSD	Tissue
11	NSTAOMORDAX-W-3-9	569173	Tissue
12	NSTAOMORDAX-W-3-10	569174	Tissue
13	NSTAOMORDAX-W-3-11	569175	Tissue
14	NSTAOMORDAX-W-3-12	569176	Tissue
15	NSTAOMORDAX-W-3-13	569177	Tissue
16	NSTAOMORDAX-W-3-14	569178	Tissue
17	NSTAOMORDAX-W-3-15	569179	Tissue
18	NSTAOMORDAX-W-3-16	569180	Tissue
19	NSTAOMORDAX-W-3-DUP2	569181	Tissue
20	NSTAOMORDAX-W-3	569182	Tissue
20MS	NSTAOMORDAX-W-3MS	569182MS	Tissue
20MSD	NSTAOMORDAX-W-3MSD	569182MSD	Tissue

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, was used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 14 days for tissue samples and analyzed within 40 days for all samples.

GC/MS Tuning - All of the tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
F-3	Benzo(b)fluoranthene	150%/ok/ok	None - ND
	Phenanthrene	ok/ok/43%	None for RPD

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
W-3	Benzo(b)fluoranthene	162%/ok/ok	J
	Benzo(a)pyrene	165%/ok/ok	J
	2,3,5-Trimethylnaphthalene	ok/-10%/244%	J
	Several Other Compounds	High %R	None - ND

Laboratory Control Sample - The LCS sample(s) exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria except the following.

Sample ID	Internal Standard	Area Count	Qualifier
F-3-1	IS1, IS2, IS4, IS5	Low	J/UJ Associated Compounds
F-3-4	IS1, IS2, IS4, IS5	Low	J/UJ Associated Compounds
F-3-5	IS1, IS2, IS4, IS5	Low	J/UJ Associated Compounds
F-3-8	IS1, IS2, IS4, IS5	Low	J/UJ Associated Compounds
W-3-9	IS1, IS2, IS4, IS5	Low	J/UJ Associated Compounds
W-3-12	IS1, IS2, IS4, IS5	Low	J/UJ Associated Compounds
W-3-13	IS1, IS2, IS4, IS5	Low	J/UJ Associated Compounds
W-3-14	IS1	Low	J/UJ Associated Compounds
W-3-16	IS1, IS2	Low	J/UJ Associated Compounds
W-3	IS1, IS2, IS4, IS5	Low	J/UJ Associated Compounds

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate results are summarized below.

Compound	F-3 ug/kg	F-3-DUP1 ug/kg	RPD	Qualifier
Naphthalene	98	100	2%	None
2-Methylnaphthalene	62	64	3%	None
1-Methylnaphthalene	100	96	4%	None
Biphenyl	8.8	8.8	0%	None
2,6-Dimethylnaphthalene	31	34	9%	None
Acenaphthylene	2.2	2.1	5%	None
Acenaphthene	92	84	9%	None
2,3,5-Trimethylnaphthalene	9.3	9.1	2%	None
Fluorene	28	30	7%	None
Dibenzothiophene	4.5	4.4	2%	None
Phenanthrene	36	34	6%	None
Anthracene	9.6	11	14%	None
1-Methylphenanthrene	6.0	5.3	12%	None
Fluoranthene	11	10	10%	None
Pyrene	12	11	9%	None

Compound	W-3 ug/kg	W-3-DUP2 ug/kg	RPD	Qualifier
Naphthalene	280	78	113%	None
2-Methylnaphthalene	170	46	115%	None
1-Methylnaphthalene	270	72	116%	None
Biphenyl	24	7.2	108%	None
2,6-Dimethylnaphthalene	86	30	97%	None
Acenaphthylene	6.4	2.1	101%	None
Acenaphthene	240	77	103%	None
2,3,5-Trimethylnaphthalene	26	8.4	102%	None
Fluorene	73	31	81%	None
Dibenzothiophene	11	3.9	95%	None
Phenanthrene	94	31	101%	None
Anthracene	28	7.1	119%	None
1-Methylphenanthrene	18	5.0	113%	None
Fluoranthene	32	9.5	108%	None
Pyrene	37	10	115%	None
Benzo(a)anthracene	5.6	ND	NC	None
Chrysene	6.3	ND	NC	None
Benzo(b)fluoranthene	3.8	ND	NC	None
Benzo(k)fluoranthene	3.3	ND	NC	None
Benzo(e)pyrene	3.4	ND	NC	None
Benzo(a)pyrene	5.5	ND	NC	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Several samples were analyzed at a dilution due to high concentrations of target analytes.

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

F-3-1

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569163

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569163D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	130		J
91-57-6	2-Methylnaphthalene	73		
90-12-0	1-Methylnaphthalene	120		
92-52-4	Biphenyl	10		
581-42-0	2,6 Dimethylnaphthalene	35		
208-96-8	Acenaphthylene	2.4	J	
83-32-9	Acenaphthene	110		
2245-38-7	2,3,5 Trimethylnaphthalene	9.8		
86-73-7	Fluorene	32		
132-65-0	Dibenzothiophene	4.9		
85-01-8	Phenanthrene	40		
120-12-7	Anthracene	15		
832-69-9	1-Methylphenanthrene	5.4		
206-44-0	Fluoranthene	13		
129-00-0	Pyrene	13		
56-55-3	Benzo(a)anthracene	4.0	U	
218-01-9	Chrysene	4.0	U	
205-99-2	Benzo(b)fluoranthene	4.0	U	
207-08-9	Benzo(k)fluoranthene	4.0	U	
192-97-2	Benzo(e)pyrene	4.0	U	
50-32-8	Benzo(a)pyrene	4.0	U	
198-55-0	Perylene	4.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	4.0	U	
53-70-3	Dibenz(a,h)anthracene	4.0	U	
191-24-2	Benzo(g,h,i)perylene	4.0	U	

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-3-2

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569164

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569164

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/11/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	77	
91-57-6	2-Methylnaphthalene	47	
90-12-0	1-Methylnaphthalene	82	
92-52-4	Biphenyl	7.3	
581-42-0	2,6 Dimethylnaphthalene	24	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	78	
2245-38-7	2,3,5 Trimethylnaphthalene	7.3	
86-73-7	Fluorene	24	
132-65-0	Dibenzothiophene	3.9	
85-01-8	Phenanthrene	30	
120-12-7	Anthracene	8.3	
832-69-9	1-Methylphenanthrene	3.3	
206-44-0	Fluoranthene	8.9	
129-00-0	Pyrene	9.2	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-3-3

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569165

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569165

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/11/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	86	
91-57-6	2-Methylnaphthalene	53	
90-12-0	1-Methylnaphthalene	90	
92-52-4	Biphenyl	8.3	
581-42-0	2,6 Dimethylnaphthalene	26	
208-96-8	Acenaphthylene	2.2	
83-32-9	Acenaphthene	85	
2245-38-7	2,3,5 Trimethylnaphthalene	8.4	
86-73-7	Fluorene	24	
132-65-0	Dibenzothiophene	4.2	
85-01-8	Phenanthrene	33	
120-12-7	Anthracene	9.0	
832-69-9	1-Methylphenanthrene	4.3	
206-44-0	Fluoranthene	10	
129-00-0	Pyrene	12	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

F-3-4

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569166

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569166D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	130	
91-57-6	2-Methylnaphthalene	78	
90-12-0	1-Methylnaphthalene	130	
92-52-4	Biphenyl	11	
581-42-0	2,6 Dimethylnaphthalene	36	
208-96-8	Acenaphthylene	2.5	J
83-32-9	Acenaphthene	110	
2245-38-7	2,3,5 Trimethylnaphthalene	10	
86-73-7	Fluorene	24	
132-65-0	Dibenzothiophene	5.1	
85-01-8	Phenanthrene	43	
120-12-7	Anthracene	15	
832-69-9	1-Methylphenanthrene	6.0	
206-44-0	Fluoranthene	13	
129-00-0	Pyrene	14	
56-55-3	Benzo(a)anthracene	4.0	U
218-01-9	Chrysene	4.0	U
205-99-2	Benzo(b)fluoranthene	4.0	U
207-08-9	Benzo(k)fluoranthene	4.0	U
192-97-2	Benzo(e)pyrene	4.0	U
50-32-8	Benzo(a)pyrene	4.0	U
198-55-0	Perylene	4.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.0	U
53-70-3	Dibenz(a,h)anthracene	4.0	U
191-24-2	Benzo(g,h,i)perylene	4.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-3-5

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569167

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569167D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 2.9

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	180	
91-57-6	2-Methylnaphthalene	110	
90-12-0	1-Methylnaphthalene	170	
92-52-4	Biphenyl	16	
581-42-0	2,6 Dimethylnaphthalene	54	
208-96-8	Acenaphthylene	4.0	J
83-32-9	Acenaphthene	150	
2245-38-7	2,3,5 Trimethylnaphthalene	14	
86-73-7	Fluorene	45	
132-65-0	Dibenzothiophene	8.2	
85-01-8	Phenanthrene	60	
120-12-7	Anthracene	21	
832-69-9	1-Methylphenanthrene	9.6	
206-44-0	Fluoranthene	20	
129-00-0	Pyrene	23	
56-55-3	Benzo(a)anthracene	5.7	U
218-01-9	Chrysene	5.7	U
205-99-2	Benzo(b)fluoranthene	5.7	U
207-08-9	Benzo(k)fluoranthene	5.7	U
192-97-2	Benzo(e)pyrene	5.7	U
50-32-8	Benzo(a)pyrene	5.7	U
198-55-0	Perylene	5.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.7	U
53-70-3	Dibenz(a,h)anthracene	5.7	U
191-24-2	Benzo(g,h,i)perylene	5.7	U

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06/16/04

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-3-6

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569168

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569168

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/11/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	43	
91-57-6	2-Methylnaphthalene	26	
90-12-0	1-Methylnaphthalene	49	
92-52-4	Biphenyl	4.4	
581-42-0	2,6 Dimethylnaphthalene	14	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	50	
2245-38-7	2,3,5 Trimethylnaphthalene	4.8	
86-73-7	Fluorene	16	
132-65-0	Dibenzothiophene	2.6	
85-01-8	Phenanthrene	21	
120-12-7	Anthracene	4.8	
832-69-9	1-Methylphenanthrene	2.7	
206-44-0	Fluoranthene	6.1	
129-00-0	Pyrene	6.1	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-3-7

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569169

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569169

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/11/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	34	
91-57-6	2-Methylnaphthalene	19	
90-12-0	1-Methylnaphthalene	36	
92-52-4	Biphenyl	3.1	
581-42-0	2,6 Dimethylnaphthalene	9.9	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	38	
2245-38-7	2,3,5 Trimethylnaphthalene	3.5	
86-73-7	Fluorene	10	
132-65-0	Dibenzothiophene	2.0	U
85-01-8	Phenanthrene	14	
120-12-7	Anthracene	4.0	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	4.3	
129-00-0	Pyrene	4.6	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

F-3-8

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569170

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569170D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	140	
91-57-6	2-Methylnaphthalene	89	
90-12-0	1-Methylnaphthalene	140	
92-52-4	Biphenyl	13	
581-42-0	2,6 Dimethylnaphthalene	47	
208-96-8	Acenaphthylene	3.2	J
83-32-9	Acenaphthene	130	
2245-38-7	2,3,5 Trimethylnaphthalene	13	
86-73-7	Fluorene	40	
132-65-0	Dibenzothiophene	6.3	
85-01-8	Phenanthrene	48	
120-12-7	Anthracene	17	
832-69-9	1-Methylphenanthrene	7.6	
206-44-0	Fluoranthene	15	
129-00-0	Pyrene	15	
56-55-3	Benzo(a)anthracene	4.0	U
218-01-9	Chrysene	4.0	U
205-99-2	Benzo(b)fluoranthene	4.0	U
207-08-9	Benzo(k)fluoranthene	4.0	U
192-97-2	Benzo(e)pyrene	4.0	U
50-32-8	Benzo(a)pyrene	4.0	U
198-55-0	Perylene	4.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.0	U
53-70-3	Dibenz(a,h)anthracene	4.0	U
191-24-2	Benzo(g,h,i)perylene	4.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

F-3-DUP1

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569171

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569171

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000(uL) Date Analyzed: 05/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	100	
91-57-6	2-Methylnaphthalene	64	
90-12-0	1-Methylnaphthalene	96	
92-52-4	Biphenyl	8.8	
581-42-0	2,6 Dimethylnaphthalene	34	
208-96-8	Acenaphthylene	2.1	
83-32-9	Acenaphthene	84	
2245-38-7	2,3,5 Trimethylnaphthalene	9.1	
86-73-7	Fluorene	30	
132-65-0	Dibenzothiophene	4.4	
85-01-8	Phenanthrene	34	
120-12-7	Anthracene	11	
832-69-9	1-Methylphenanthrene	5.3	
206-44-0	Fluoranthene	10	
129-00-0	Pyrene	11	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

F-3

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569172

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569172D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	98	
91-57-6	2-Methylnaphthalene	62	
90-12-0	1-Methylnaphthalene	100	
92-52-4	Biphenyl	8.8	
581-42-0	2,6 Dimethylnaphthalene	31	
208-96-8	Acenaphthylene	2.2	J
83-32-9	Acenaphthene	92	
2245-38-7	2,3,5 Trimethylnaphthalene	9.3	
86-73-7	Fluorene	28	
132-65-0	Dibenzothiophene	4.5	
85-01-8	Phenanthrene	36	
120-12-7	Anthracene	9.6	
832-69-9	1-Methylphenanthrene	6.0	
206-44-0	Fluoranthene	11	
129-00-0	Pyrene	12	
56-55-3	Benzo(a)anthracene	2.7	U
218-01-9	Chrysene	2.7	U
205-99-2	Benzo(b)fluoranthene	2.7	U
207-08-9	Benzo(k)fluoranthene	2.7	U
192-97-2	Benzo(e)pyrene	2.7	U
50-32-8	Benzo(a)pyrene	2.7	U
198-55-0	Perylene	2.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.7	U
53-70-3	Dibenz(a,h)anthracene	2.7	U
191-24-2	Benzo(g,h,i)perylene	2.7	U

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LG

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

W-3-9

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569173

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569173D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 3.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	280	
91-57-6	2-Methylnaphthalene	160	
90-12-0	1-Methylnaphthalene	260	
92-52-4	Biphenyl	23	
581-42-0	2,6 Dimethylnaphthalene	82	
208-96-8	Acenaphthylene	10	
83-32-9	Acenaphthene	220	
2245-38-7	2,3,5 Trimethylnaphthalene	31	
86-73-7	Fluorene	72	
132-65-0	Dibenzothiophene	14	
85-01-8	Phenanthrene	130	
120-12-7	Anthracene	43	
832-69-9	1-Methylphenanthrene	61	
206-44-0	Fluoranthene	97	
129-00-0	Pyrene	130	
56-55-3	Benzo(a)anthracene	59	
218-01-9	Chrysene	47	
205-99-2	Benzo(b)fluoranthene	42	
207-08-9	Benzo(k)fluoranthene	28	
192-97-2	Benzo(e)pyrene	29	
50-32-8	Benzo(a)pyrene	53	
198-55-0	Perylene	8.6	
193-39-5	Indeno(1,2,3-cd)pyrene	17	
53-70-3	Dibenz(a,h)anthracene	6.1	J
191-24-2	Benzo(g,h,i)perylene	22	

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-3-10

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569174

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569174

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	100	
91-57-6	2-Methylnaphthalene	53	
90-12-0	1-Methylnaphthalene	95	
92-52-4	Biphenyl	7.8	
581-42-0	2,6 Dimethylnaphthalene	27	
208-96-8	Acenaphthylene	2.1	
83-32-9	Acenaphthene	84	
2245-38-7	2,3,5 Trimethylnaphthalene	8.5	
86-73-7	Fluorene	26	
132-65-0	Dibenzothiophene	4.1	
85-01-8	Phenanthrene	40	
120-12-7	Anthracene	7.4	
832-69-9	1-Methylphenanthrene	6.6	
206-44-0	Fluoranthene	12	
129-00-0	Pyrene	11	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-3-11

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569175

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569175D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000(uL) Date Analyzed: 05/19/04

Injection Volume: 2.0(uL) Dilution Factor: 1.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	100	
91-57-6	2-Methylnaphthalene	60	
90-12-0	1-Methylnaphthalene	100	
92-52-4	Biphenyl	9.2	
581-42-0	2,6 Dimethylnaphthalene	33	
208-96-8	Acenaphthylene	2.4	J
83-32-9	Acenaphthene	93	
2245-38-7	2,3,5 Trimethylnaphthalene	7.9	
86-73-7	Fluorene	30	
132-65-0	Dibenzothiophene	4.9	
85-01-8	Phenanthrene	42	
120-12-7	Anthracene	10	
832-69-9	1-Methylphenanthrene	5.0	
206-44-0	Fluoranthene	11	
129-00-0	Pyrene	12	
56-55-3	Benzo(a)anthracene	2.0	J
218-01-9	Chrysene	2.6	J
205-99-2	Benzo(b)fluoranthene	2.7	U
207-08-9	Benzo(k)fluoranthene	2.7	U
192-97-2	Benzo(e)pyrene	2.7	U
50-32-8	Benzo(a)pyrene	2.7	U
198-55-0	Perylene	2.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.7	U
53-70-3	Dibenz(a,h)anthracene	2.7	U
191-24-2	Benzo(g,h,i)perylene	2.7	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

W-3-12

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569176

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569176D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	130	
91-57-6	2-Methylnaphthalene	78	
90-12-0	1-Methylnaphthalene	130	
92-52-4	Biphenyl	10	
581-42-0	2,6 Dimethylnaphthalene	40	
208-96-8	Acenaphthylene	3.4	J
83-32-9	Acenaphthene	120	
2245-38-7	2,3,5 Trimethylnaphthalene	13	
86-73-7	Fluorene	36	
132-65-0	Dibenzothiophene	6.0	
85-01-8	Phenanthrene	50	
120-12-7	Anthracene	14	
832-69-9	1-Methylphenanthrene	9.1	
206-44-0	Fluoranthene	18	
129-00-0	Pyrene	22	
56-55-3	Benzo(a)anthracene	4.6	
218-01-9	Chrysene	4.8	
205-99-2	Benzo(b)fluoranthene	3.5	J
207-08-9	Benzo(k)fluoranthene	3.0	J
192-97-2	Benzo(e)pyrene	3.0	J
50-32-8	Benzo(a)pyrene	5.3	
198-55-0	Perylene	4.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.0	U
53-70-3	Dibenz(a,h)anthracene	4.0	U
191-24-2	Benzo(g,h,i)perylene	4.0	U

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FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-3-13

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569177

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569177D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	120	
91-57-6	2-Methylnaphthalene	75	
90-12-0	1-Methylnaphthalene	130	
92-52-4	Biphenyl	11	
581-42-0	2,6 Dimethylnaphthalene	40	
208-96-8	Acenaphthylene	4.2	
83-32-9	Acenaphthene	120	
2245-38-7	2,3,5 Trimethylnaphthalene	13	
86-73-7	Fluorene	38	
132-65-0	Dibenzothiophene	5.6	
85-01-8	Phenanthrene	48	
120-12-7	Anthracene	14	
832-69-9	1-Methylphenanthrene	9.2	
206-44-0	Fluoranthene	18	
129-00-0	Pyrene	20	
56-55-3	Benzo(a)anthracene	6.8	
218-01-9	Chrysene	5.7	
205-99-2	Benzo(b)fluoranthene	7.2	
207-08-9	Benzo(k)fluoranthene	5.7	
192-97-2	Benzo(e)pyrene	5.0	
50-32-8	Benzo(a)pyrene	9.5	
198-55-0	Perylene	4.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	3.4	J
53-70-3	Dibenz(a,h)anthracene	4.0	U
191-24-2	Benzo(g,h,i)perylene	3.6	J

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

W-3-14

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569178

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569178D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	160	
91-57-6	2-Methylnaphthalene	100	
90-12-0	1-Methylnaphthalene	170	
92-52-4	Biphenyl	15	
581-42-0	2,6 Dimethylnaphthalene	53	
208-96-8	Acenaphthylene	4.0	
83-32-9	Acenaphthene	150	
2245-38-7	2,3,5 Trimethylnaphthalene	16	
86-73-7	Fluorene	48	
132-65-0	Dibenzothiophene	7.5	
85-01-8	Phenanthrene	66	
120-12-7	Anthracene	15	
832-69-9	1-Methylphenanthrene	10	
206-44-0	Fluoranthene	20	
129-00-0	Pyrene	21	
56-55-3	Benzo(a)anthracene	2.1	J
218-01-9	Chrysene	2.8	J
205-99-2	Benzo(b)fluoranthene	4.0	U
207-08-9	Benzo(k)fluoranthene	4.0	U
192-97-2	Benzo(e)pyrene	4.0	U
50-32-8	Benzo(a)pyrene	2.1	J
198-55-0	Perylene	4.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	4.0	U
53-70-3	Dibenz(a,h)anthracene	4.0	U
191-24-2	Benzo(g,h,i)perylene	4.0	U

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06/16/04
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

W-3-15

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569179

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569179

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	76	
91-57-6	2-Methylnaphthalene	43	
90-12-0	1-Methylnaphthalene	72	
92-52-4	Biphenyl	6.0	
581-42-0	2,6 Dimethylnaphthalene	22	
208-96-8	Acenaphthylene	2.4	
83-32-9	Acenaphthene	67	
2245-38-7	2,3,5 Trimethylnaphthalene	8.1	
86-73-7	Fluorene	21	
132-65-0	Dibenzothiophene	3.6	
85-01-8	Phenanthrene	29	
120-12-7	Anthracene	7.1	
832-69-9	1-Methylphenanthrene	5.1	
206-44-0	Fluoranthene	14	
129-00-0	Pyrene	19	
56-55-3	Benzo(a)anthracene	5.9	
218-01-9	Chrysene	5.3	
205-99-2	Benzo(b)fluoranthene	4.4	
207-08-9	Benzo(k)fluoranthene	3.6	
192-97-2	Benzo(e)pyrene	3.7	
50-32-8	Benzo(a)pyrene	6.5	
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.2	
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.3	

06/16/04

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

W-3-16

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569180

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569180D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.7

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	140	
91-57-6	2-Methylnaphthalene	80	
90-12-0	1-Methylnaphthalene	130	
92-52-4	Biphenyl	11	
581-42-0	2,6 Dimethylnaphthalene	41	
208-96-8	Acenaphthylene	3.4	
83-32-9	Acenaphthene	120	
2245-38-7	2,3,5 Trimethylnaphthalene	13	
86-73-7	Fluorene	37	
132-65-0	Dibenzothiophene	5.9	
85-01-8	Phenanthrene	49	
120-12-7	Anthracene	12	
832-69-9	1-Methylphenanthrene	8.0	
206-44-0	Fluoranthene	17	
129-00-0	Pyrene	19	
56-55-3	Benzo(a)anthracene	3.4	
218-01-9	Chrysene	3.7	
205-99-2	Benzo(b)fluoranthene	2.2	J
207-08-9	Benzo(k)fluoranthene	3.3	U
192-97-2	Benzo(e)pyrene	3.3	U
50-32-8	Benzo(a)pyrene	3.0	J
198-55-0	Perylene	3.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	3.3	U
53-70-3	Dibenz(a,h)anthracene	3.3	U
191-24-2	Benzo(g,h,i)perylene	3.3	U

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06/11/04

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-3

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569182

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569182D

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/18/04

Injection Volume: 2.0 (uL) Dilution Factor: 3.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	280		J
91-57-6	2-Methylnaphthalene	170		
90-12-0	1-Methylnaphthalene	270		
92-52-4	Biphenyl	24		
581-42-0	2,6 Dimethylnaphthalene	86		
208-96-8	Acenaphthylene	6.4	J	
83-32-9	Acenaphthene	240		
2245-38-7	2,3,5 Trimethylnaphthalene	26		J
86-73-7	Fluorene	73		
132-65-0	Dibenzothiophene	11		
85-01-8	Phenanthrene	94		
120-12-7	Anthracene	28		
832-69-9	1-Methylphenanthrene	18		
206-44-0	Fluoranthene	32		
129-00-0	Pyrene	37		
56-55-3	Benzo(a)anthracene	5.6	J	
218-01-9	Chrysene	6.3	J	
205-99-2	Benzo(b)fluoranthene	3.8	~~J~~	J
207-08-9	Benzo(k)fluoranthene	3.3	J	
192-97-2	Benzo(e)pyrene	3.4	J	
50-32-8	Benzo(a)pyrene	5.5	~~J~~	J
198-55-0	Perylene	6.7	U	UJ
193-39-5	Indeno(1,2,3-cd)pyrene	6.7	U	
53-70-3	Dibenz(a,h)anthracene	6.7	U	
191-24-2	Benzo(g,h,i)perylene	6.7	U	

FORM I SV

06/16/04

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

W-3-DUP2

Lab Name: STL BURLINGTON Contract: 24000

Lab Code: STLVT Case No.: 24000 SAS No.: SDG No.: 99877

Matrix: (soil/water) TISSUE Lab Sample ID: 569181

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 569181

Level: (low/med) LOW Date Received: 04/24/04

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/01/04

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 05/14/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	78	
91-57-6	2-Methylnaphthalene	46	
90-12-0	1-Methylnaphthalene	72	
92-52-4	Biphenyl	7.2	
581-42-0	2,6 Dimethylnaphthalene	30	
208-96-8	Acenaphthylene	2.1	
83-32-9	Acenaphthene	77	
2245-38-7	2,3,5 Trimethylnaphthalene	8.4	
86-73-7	Fluorene	31	
132-65-0	Dibenzothiophene	3.9	
85-01-8	Phenanthrene	31	
120-12-7	Anthracene	7.1	
832-69-9	1-Methylphenanthrene	5.0	
206-44-0	Fluoranthene	9.5	
129-00-0	Pyrene	10	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

Calculated

ENVIRONMENTAL
Data Services, Inc.

BTEX & GASOLINE
USEPA Level IV Review

Site: NSP Ashland Project SDG #: COK0722

Client: URS Corporation, Milwaukee, Wisconsin Date: November 30, 2005

Laboratory: Test America Analytical Testing, Cedar Falls, IA Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	AIR STRIPPER	COK0722-01	Air
2	1ST STAGE CARBON	COK0722-02	Air
3	AIR EFFLUENT	COK0722-03	Air

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, was used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days from date sampled.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS sample exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Quantitation - No discrepancies were identified.

TestAmerica
ANALYTICAL TESTING CORPORATION
704 Enterprise Drive Cedar Falls, IA 50613 * 800-750-2401 * Fax 319-277-2425

URS CORPORATION - MILWAUKEE
10200 Innovation Drive Suite 500
Milwaukee, WI 53226
Paul Sklar

Work Order: COK0722
Project: Xcel Energy - Ashland
Project Number: Air Samples

Received: 11/14/05
Reported: 11/21/05 11:21

ANALYTICAL REPORT

Analyte	Result			Data Qualifiers	Date Analyzed	Analyst	Method	Quant. Limit	
Sample ID: COK0722-01 (Air Stripper)			**Sample Air Volume: 3.0 L**			**Sampled: 11/07/05**			
Benzene	<20.0ug/tube	<6.67 mg/m3	<2.09 ppm		11/16/2005	jlc	NIOSH 1501	20.0	
Ethylbenzene	<20.0ug/tube	<6.67 mg/m3	<1.54 ppm		11/15/2005	jlc	NIOSH 1501	20.0	11/30/05
Hydrocarbons, Total	<30.0ug/tube	<10 mg/m3	<3.4 ppm		11/16/2005	jlc	NIOSH 1550	30.0	
Toluene	<20.0ug/tube	<6.67 mg/m3	<1.77 ppm		11/15/2005	jlc	NIOSH 1501	20.0	
Xylenes, total	<30.0ug/tube	<10 mg/m3	<2.3 ppm		11/15/2005	jlc	NIOSH 1501	30.0	
Sample ID: COK0722-02 (1rst Stage Carbon)			**Sample Air Volume: 3.0 L**			**Sampled: 11/07/05**			
Benzene	<20.0ug/tube	<6.67 mg/m3	<2.09 ppm		11/16/2005	jlc	NIOSH 1501	20.0	
Ethylbenzene	<20.0ug/tube	<6.67 mg/m3	<1.54 ppm		11/15/2005	jlc	NIOSH 1501	20.0	11/30/05
Hydrocarbons, Total	36ug/tube	12 mg/m3	4.08 ppm		11/16/2005	jlc	NIOSH 1550	30.0	
Toluene	<20.0ug/tube	<6.67 mg/m3	<1.77 ppm		11/15/2005	jlc	NIOSH 1501	20.0	
Xylenes, total	<30.0ug/tube	<10 mg/m3	<2.3 ppm		11/15/2005	jlc	NIOSH 1501	30.0	
Sample ID: COK0722-03 (Air Effluent)			**Sample Air Volume: 5.0 L**			**Sampled: 11/07/05**			
Benzene	41ug/tube	8.2 mg/m3	2.57 ppm		11/16/2005	jlc	NIOSH 1501	20.0	111
Ethylbenzene	<20.0ug/tube	<4 mg/m3	<0.92 ppm		11/15/2005	jlc	NIOSH 1501	20.0	
Hydrocarbons, Total	88ug/tube	17.6 mg/m3	5.98 ppm		11/16/2005	jlc	NIOSH 1550	30.0	
Toluene	<20.0ug/tube	<4 mg/m3	<1.06 ppm		11/15/2005	jlc	NIOSH 1501	20.0	
Xylenes, total	<30.0ug/tube	<6 mg/m3	<1.38 ppm		11/15/2005	jlc	NIOSH 1501	30.0	

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Level IV Review

Site: NSP Ashland Project SDG #: H5C160126

Client: URS Corporation, Milwaukee, Wisconsin Date: April 12, 2005

Laboratory: Severn Trent Laboratories, Knoxville, Tennessee Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NS-GSVP01-0305	H5C160126-001	Air
2	NS-GSVP03S-0305	H5C160126-002	Air
3	NS-GSVP03I-0305	H5C160126-003	Air
4	NS-GSVP03D-0305	H5C160126-004	Air
5	NS-GSVP05-0305	H5C160126-005	Air
6	NS-GSVP06-0305	H5C160126-006	Air
7	NS-GSVP07-0305	H5C160126-007	Air
8	NS-GSVP08-0305	H5C160126-008	Air
9	NS-GSVP09-0305	H5C160126-009	Air
10	NS-GSVP10-0305	H5C160126-010	Air
11	NS-GSVPUPWIND-0305	H5C160126-011	Air

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, was used in evaluating the data in this summary report. Ten percent if the calculations for the samples in this data package were verified for the Level IV validation.

Holding Times - All samples were analyzed within 14 days for air samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. The BFB tunes were analyzed daily (24 hours) per the method.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values.

Surrogates - *All samples exhibited acceptable surrogate recoveries.*

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS sample(s) exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC samples were not included in this data package.

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) – TICs were not reported in this data package.

Compound Quantitation - No discrepancies were identified.

URS Corporation

Client Sample ID: NS-GSVP01-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-001 **Work Order #...:** G6AHJ1AA **Matrix.....:** AIR
Date Sampled...: 03/15/05 **Date Received..:** 03/16/05
Prep Date.....: 03/17/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5077194
Dilution Factor: 1.44 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.42**	**0.29**	**ppb(v/v)**
Benzyl chloride	ND	0.29	ppb(v/v)
Bromomethane	ND	0.29	ppb(v/v)
Carbon tetrachloride	ND	0.29	ppb(v/v)
Chlorobenzene	ND	0.29	ppb(v/v)
Chloroethane	ND	0.29	ppb(v/v)
Chloroform	ND	0.29	ppb(v/v)
Chloromethane	**0.88**	**0.72**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND	0.29	ppb(v/v)
1,2-Dichlorobenzene	ND	0.29	ppb(v/v)
1,3-Dichlorobenzene	ND	0.29	ppb(v/v)
1,4-Dichlorobenzene	ND	0.29	ppb(v/v)
Dichlorodifluoromethane	**0.69**	**0.29**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.29	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.29	ppb(v/v)
1,1-Dichloroethene	ND	0.29	ppb(v/v)
1,2-Dichloropropane	ND	0.29	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.29	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.29	ppb(v/v)
Ethylbenzene	ND	0.29	ppb(v/v)
Hexachlorobutadiene	ND	1.4	ppb(v/v)
Methylene chloride	ND	0.72	ppb(v/v)
Styrene	ND	0.29	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.29	ppb(v/v)
Toluene	**0.61**	**0.29**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	1.4	ppb(v/v)
1,1,1-Trichloroethane	ND	0.29	ppb(v/v)
1,1,2-Trichloroethane	ND	0.29	ppb(v/v)
Trichloroethene	ND	0.29	ppb(v/v)
Trichlorofluoromethane	ND	0.29	ppb(v/v)
1,2,4-Trimethylbenzene	ND	0.29	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.29	ppb(v/v)
Vinyl chloride	ND	0.29	ppb(v/v)
m-Xylene & p-Xylene	**0.43**	**0.29**	**ppb(v/v)**
o-Xylene	ND	0.29	ppb(v/v)
1,2-Dichloroethane	ND	0.29	ppb(v/v)

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04/12/05
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URS Corporation

Client Sample ID: NS-GSVP01-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-001 **Work Order #...:** G6AHJ1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(70 - 130)
Toluene-d8	106	(70 - 130)
4-Bromofluorobenzene	109	(70 - 130)

04/12/05

URS Corporation

Client Sample ID: NS-GSVP03S-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-002 **Work Order #...:** G6AHL1AA **Matrix.....:** AIR
Date Sampled...: 03/15/05 **Date Received..:** 03/16/05
Prep Date.....: 03/17/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5077194
Dilution Factor: 1.3 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.59**	**0.26**	**ppb(v/v)**
Benzyl chloride	ND	0.26	ppb(v/v)
Bromomethane	ND	0.26	ppb(v/v)
Carbon tetrachloride	ND	0.26	ppb(v/v)
Chlorobenzene	ND	0.26	ppb(v/v)
Chloroethane	ND	0.26	ppb(v/v)
Chloroform	ND	0.26	ppb(v/v)
Chloromethane	**0.98**	**0.65**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND	0.26	ppb(v/v)
1,2-Dichlorobenzene	ND	0.26	ppb(v/v)
1,3-Dichlorobenzene	ND	0.26	ppb(v/v)
1,4-Dichlorobenzene	ND	0.26	ppb(v/v)
Dichlorodifluoromethane	**0.64**	**0.26**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.26	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.26	ppb(v/v)
1,1-Dichloroethene	ND	0.26	ppb(v/v)
1,2-Dichloropropane	ND	0.26	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.26	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.26	ppb(v/v)
Ethylbenzene	ND	0.26	ppb(v/v)
Hexachlorobutadiene	ND	1.3	ppb(v/v)
Methylene chloride	ND	0.65	ppb(v/v)
Styrene	ND	0.26	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.26	ppb(v/v)
Toluene	**0.83**	**0.26**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	1.3	ppb(v/v)
1,1,1-Trichloroethane	ND	0.26	ppb(v/v)
1,1,2-Trichloroethane	ND	0.26	ppb(v/v)
Trichloroethene	ND	0.26	ppb(v/v)
Trichlorofluoromethane	**0.26**	**0.26**	**ppb(v/v)**
1,2,4-Trimethylbenzene	ND	0.26	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.26	ppb(v/v)
Vinyl chloride	ND	0.26	ppb(v/v)
m-Xylene & p-Xylene	**0.40**	**0.26**	**ppb(v/v)**
o-Xylene	ND	0.26	ppb(v/v)
1,2-Dichloroethane	ND	0.26	ppb(v/v)

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04/12/05
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URS Corporation

Client Sample ID: NS-GSVP03S-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-002 Work Order #...: G6AHL1AA Matrix.....: AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	113	(70 - 130)
Toluene-d8	106	(70 - 130)
4-Bromofluorobenzene	108	(70 - 130)

04/12/05

URS Corporation

Client Sample ID: NS-GSVP03I-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-003 **Work Order #...:** G6AHP1AA **Matrix.....:** AIR
Date Sampled...: 03/15/05 **Date Received..:** 03/16/05
Prep Date.....: 03/17/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5077194
Dilution Factor: 1.41 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.28	ppb(v/v)
Benzyl chloride	ND	0.28	ppb(v/v)
Bromomethane	ND	0.28	ppb(v/v)
Carbon tetrachloride	ND	0.28	ppb(v/v)
Chlorobenzene	ND	0.28	ppb(v/v)
Chloroethane	ND	0.28	ppb(v/v)
Chloroform	ND	0.28	ppb(v/v)
Chloromethane	**0.79**	**0.70**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND	0.28	ppb(v/v)
1,2-Dichlorobenzene	ND	0.28	ppb(v/v)
1,3-Dichlorobenzene	ND	0.28	ppb(v/v)
1,4-Dichlorobenzene	ND	0.28	ppb(v/v)
Dichlorodifluoromethane	**0.51**	**0.28**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.28	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.28	ppb(v/v)
1,1-Dichloroethene	ND	0.28	ppb(v/v)
1,2-Dichloropropane	ND	0.28	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.28	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.28	ppb(v/v)
Ethylbenzene	ND	0.28	ppb(v/v)
Hexachlorobutadiene	ND	1.4	ppb(v/v)
Methylene chloride	ND	0.70	ppb(v/v)
Styrene	ND	0.28	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.28	ppb(v/v)
Toluene	ND	0.28	ppb(v/v)
1,2,4-Trichloro-benzene	ND	1.4	ppb(v/v)
1,1,1-Trichloroethane	ND	0.28	ppb(v/v)
1,1,2-Trichloroethane	ND	0.28	ppb(v/v)
Trichloroethene	ND	0.28	ppb(v/v)
Trichlorofluoromethane	ND	0.28	ppb(v/v)
1,2,4-Trimethylbenzene	ND	0.28	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.28	ppb(v/v)
Vinyl chloride	ND	0.28	ppb(v/v)
m-Xylene & p-Xylene	ND	0.28	ppb(v/v)
o-Xylene	ND	0.28	ppb(v/v)
1,2-Dichloroethane	ND	0.28	ppb(v/v)

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URS Corporation

Client Sample ID: NS-GSVP03I-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-003 Work Order #...: G6AHP1AA Matrix.....: AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(70 - 130)
Toluene-d8	104	(70 - 130)
4-Bromofluorobenzene	101	(70 - 130)

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URS Corporation

Client Sample ID: NS-GSVP03D-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-004 **Work Order #...:** G6AHQ1AA **Matrix.....:** AIR
Date Sampled...: 03/15/05 **Date Received..:** 03/16/05
Prep Date.....: 03/17/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5077194
Dilution Factor: 1.2 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1.9**	**0.24**	**ppb(v/v)**
Benzyl chloride	ND	0.24	ppb(v/v)
Bromomethane	ND	0.24	ppb(v/v)
Carbon tetrachloride	ND	0.24	ppb(v/v)
Chlorobenzene	ND	0.24	ppb(v/v)
Chloroethane	ND	0.24	ppb(v/v)
Chloroform	ND	0.24	ppb(v/v)
Chloromethane	**0.64**	**0.60**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND	0.24	ppb(v/v)
1,2-Dichlorobenzene	ND	0.24	ppb(v/v)
1,3-Dichlorobenzene	ND	0.24	ppb(v/v)
1,4-Dichlorobenzene	ND	0.24	ppb(v/v)
Dichlorodifluoromethane	**0.44**	**0.24**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.24	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.24	ppb(v/v)
1,1-Dichloroethene	ND	0.24	ppb(v/v)
1,2-Dichloropropane	ND	0.24	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.24	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.24	ppb(v/v)
Ethylbenzene	ND	0.24	ppb(v/v)
Hexachlorobutadiene	ND	1.2	ppb(v/v)
Methylene chloride	ND	0.60	ppb(v/v)
Styrene	ND	0.24	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.24	ppb(v/v)
Toluene	**0.39**	**0.24**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	1.2	ppb(v/v)
1,1,1-Trichloroethane	ND	0.24	ppb(v/v)
1,1,2-Trichloroethane	ND	0.24	ppb(v/v)
Trichloroethene	ND	0.24	ppb(v/v)
Trichlorofluoromethane	ND	0.24	ppb(v/v)
1,2,4-Trimethylbenzene	**0.91**	**0.24**	**ppb(v/v)**
1,3,5-Trimethylbenzene	**0.85**	**0.24**	**ppb(v/v)**
Vinyl chloride	ND	0.24	ppb(v/v)
m-Xylene & p-Xylene	**1.3**	**0.24**	**ppb(v/v)**
o-Xylene	**0.66**	**0.24**	**ppb(v/v)**
1,2-Dichloroethane	ND	0.24	ppb(v/v)

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URS Corporation

Client Sample ID: NS-GSVP03D-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-004 **Work Order #...:** G6AHQ1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(70 - 130)
Toluene-d8	104	(70 - 130)
4-Bromofluorobenzene	100	(70 - 130)

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URS Corporation

Client Sample ID: NS-GSVP05-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-005 **Work Order #...:** G6AHT1AA **Matrix.....:** AIR
Date Sampled...: 03/14/05 **Date Received..:** 03/16/05
Prep Date.....: 03/17/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5077194
Dilution Factor: 1.17 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.23	ppb(v/v)
Benzyl chloride	ND	0.23	ppb(v/v)
Bromomethane	ND	0.23	ppb(v/v)
Carbon tetrachloride	ND	0.23	ppb(v/v)
Chlorobenzene	ND	0.23	ppb(v/v)
Chloroethane	ND	0.23	ppb(v/v)
Chloroform	ND	0.23	ppb(v/v)
Chloromethane	ND	0.58	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.23	ppb(v/v)
1,2-Dichlorobenzene	ND	0.23	ppb(v/v)
1,3-Dichlorobenzene	ND	0.23	ppb(v/v)
1,4-Dichlorobenzene	ND	0.23	ppb(v/v)
Dichlorodifluoromethane	**0.52**	**0.23**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.23	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.23	ppb(v/v)
1,1-Dichloroethene	ND	0.23	ppb(v/v)
1,2-Dichloropropane	ND	0.23	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.23	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.23	ppb(v/v)
Ethylbenzene	ND	0.23	ppb(v/v)
Hexachlorobutadiene	ND	1.2	ppb(v/v)
Methylene chloride	ND	0.58	ppb(v/v)
Styrene	ND	0.23	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.23	ppb(v/v)
Toluene	**0.49**	**0.23**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	1.2	ppb(v/v)
1,1,1-Trichloroethane	ND	0.23	ppb(v/v)
1,1,2-Trichloroethane	ND	0.23	ppb(v/v)
Trichloroethene	ND	0.23	ppb(v/v)
Trichlorofluoromethane	ND	0.23	ppb(v/v)
1,2,4-Trimethylbenzene	ND	0.23	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.23	ppb(v/v)
Vinyl chloride	ND	0.23	ppb(v/v)
m-Xylene & p-Xylene	**0.38**	**0.23**	**ppb(v/v)**
o-Xylene	ND	0.23	ppb(v/v)
1,2-Dichloroethane	ND	0.23	ppb(v/v)

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URS Corporation

Client Sample ID: NS-GSVP05-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-005 **Work Order #...:** G6AHT1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(70 - 130)
Toluene-d8	105	(70 - 130)
4-Bromofluorobenzene	103	(70 - 130)

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URS Corporation

Client Sample ID: NS-GSVP06-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-006 **Work Order #...:** G6AHW1AA **Matrix.....:** AIR
Date Sampled...: 03/14/05 **Date Received..:** 03/16/05
Prep Date.....: 03/18/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5080400
Dilution Factor: 1.17 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.23	ppb(v/v)
Benzyl chloride	ND	0.23	ppb(v/v)
Bromomethane	ND	0.23	ppb(v/v)
Carbon tetrachloride	ND	0.23	ppb(v/v)
Chlorobenzene	ND	0.23	ppb(v/v)
Chloroethane	ND	0.23	ppb(v/v)
Chloroform	ND	0.23	ppb(v/v)
Chloromethane	ND	0.58	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.23	ppb(v/v)
1,2-Dichlorobenzene	ND	0.23	ppb(v/v)
1,3-Dichlorobenzene	ND	0.23	ppb(v/v)
1,4-Dichlorobenzene	ND	0.23	ppb(v/v)
Dichlorodifluoromethane	**0.54**	**0.23**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.23	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.23	ppb(v/v)
1,1-Dichloroethene	ND	0.23	ppb(v/v)
1,2-Dichloropropane	ND	0.23	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.23	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.23	ppb(v/v)
Ethylbenzene	ND	0.23	ppb(v/v)
Hexachlorobutadiene	ND	1.2	ppb(v/v)
Methylene chloride	ND	0.58	ppb(v/v)
Styrene	ND	0.23	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.23	ppb(v/v)
Toluene	ND	0.23	ppb(v/v)
1,2,4-Trichloro-benzene	ND	1.2	ppb(v/v)
1,1,1-Trichloroethane	ND	0.23	ppb(v/v)
1,1,2-Trichloroethane	ND	0.23	ppb(v/v)
Trichloroethene	ND	0.23	ppb(v/v)
Trichlorofluoromethane	**0.27**	**0.23**	**ppb(v/v)**
1,2,4-Trimethylbenzene	ND	0.23	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.23	ppb(v/v)
Vinyl chloride	ND	0.23	ppb(v/v)
m-Xylene & p-Xylene	ND	0.23	ppb(v/v)
o-Xylene	ND	0.23	ppb(v/v)
1,2-Dichloroethane	ND	0.23	ppb(v/v)

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URS Corporation

Client Sample ID: NS-GSVP06-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-006 **Work Order #...:** G6AHW1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(70 - 130)
Toluene-d8	96	(70 - 130)
4-Bromofluorobenzene	94	(70 - 130)

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URS Corporation

Client Sample ID: NS-GSVP07-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-007 **Work Order #...:** G6AHX1AA **Matrix.....:** AIR
Date Sampled...: 03/14/05 **Date Received..:** 03/16/05
Prep Date.....: 03/18/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5080400
Dilution Factor: 1 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.53**	**0.20**	**ppb(v/v)**
Benzyl chloride	ND	0.20	ppb(v/v)
Bromomethane	ND	0.20	ppb(v/v)
Carbon tetrachloride	ND	0.20	ppb(v/v)
Chlorobenzene	ND	0.20	ppb(v/v)
Chloroethane	ND	0.20	ppb(v/v)
Chloroform	ND	0.20	ppb(v/v)
Chloromethane	**0.63**	**0.50**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)
Dichlorodifluoromethane	**0.58**	**0.20**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.20	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)
1,1-Dichloroethene	ND	0.20	ppb(v/v)
1,2-Dichloropropane	ND	0.20	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)
Ethylbenzene	**0.50**	**0.20**	**ppb(v/v)**
Hexachlorobutadiene	ND	1.0	ppb(v/v)
Methylene chloride	ND	0.50	ppb(v/v)
Styrene	ND	0.20	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)
Toluene	**1.5**	**0.20**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	1.0	ppb(v/v)
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)
Trichloroethene	ND	0.20	ppb(v/v)
Trichlorofluoromethane	**0.25**	**0.20**	**ppb(v/v)**
1,2,4-Trimethylbenzene	**0.41**	**0.20**	**ppb(v/v)**
1,3,5-Trimethylbenzene	ND	0.20	ppb(v/v)
Vinyl chloride	ND	0.20	ppb(v/v)
m-Xylene & p-Xylene	**1.2**	**0.20**	**ppb(v/v)**
o-Xylene	**0.40**	**0.20**	**ppb(v/v)**
1,2-Dichloroethane	ND	0.20	ppb(v/v)

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URS Corporation

Client Sample ID: NS-GSVP07-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-007 **Work Order #...:** G6AHX1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(70 - 130)
Toluene-d8	96	(70 - 130)
4-Bromofluorobenzene	97	(70 - 130)

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URS Corporation

Client Sample ID: NS-GSVP08-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-008 **Work Order #...:** G6AH21AA **Matrix.....:** AIR
Date Sampled...: 03/14/05 **Date Received..:** 03/16/05
Prep Date.....: 03/18/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5080400
Dilution Factor: 1.16 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.27**	**0.23**	**ppb(v/v)**
Benzyl chloride	ND	0.23	ppb(v/v)
Bromomethane	ND	0.23	ppb(v/v)
Carbon tetrachloride	ND	0.23	ppb(v/v)
Chlorobenzene	ND	0.23	ppb(v/v)
Chloroethane	ND	0.23	ppb(v/v)
Chloroform	**0.55**	**0.23**	**ppb(v/v)**
Chloromethane	ND	0.58	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.23	ppb(v/v)
1,2-Dichlorobenzene	ND	0.23	ppb(v/v)
1,3-Dichlorobenzene	ND	0.23	ppb(v/v)
1,4-Dichlorobenzene	ND	0.23	ppb(v/v)
Dichlorodifluoromethane	**0.65**	**0.23**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.23	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.23	ppb(v/v)
1,1-Dichloroethene	ND	0.23	ppb(v/v)
1,2-Dichloropropane	ND	0.23	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.23	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.23	ppb(v/v)
Ethylbenzene	**0.59**	**0.23**	**ppb(v/v)**
Hexachlorobutadiene	ND	1.2	ppb(v/v)
Methylene chloride	ND	0.58	ppb(v/v)
Styrene	ND	0.23	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.23	ppb(v/v)
Toluene	**1.0**	**0.23**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	1.2	ppb(v/v)
1,1,1-Trichloroethane	ND	0.23	ppb(v/v)
1,1,2-Trichloroethane	ND	0.23	ppb(v/v)
Trichloroethene	ND	0.23	ppb(v/v)
Trichlorofluoromethane	**0.29**	**0.23**	**ppb(v/v)**
1,2,4-Trimethylbenzene	**0.37**	**0.23**	**ppb(v/v)**
1,3,5-Trimethylbenzene	**0.28**	**0.23**	**ppb(v/v)**
Vinyl chloride	ND	0.23	ppb(v/v)
m-Xylene & p-Xylene	**0.67**	**0.23**	**ppb(v/v)**
o-Xylene	**0.54**	**0.23**	**ppb(v/v)**
1,2-Dichloroethane	ND	0.23	ppb(v/v)

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URS Corporation

Client Sample ID: NS-GSVP08-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-008 **Work Order #...:** G6AH21AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(70 - 130)
Toluene-d8	96	(70 - 130)
4-Bromofluorobenzene	98	(70 - 130)

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URS Corporation

Client Sample ID: NS-GSVP09-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-009 **Work Order #...:** G6AH41AA **Matrix.....:** AIR
Date Sampled...: 03/14/05 **Date Received..:** 03/16/05
Prep Date.....: 03/18/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5080400
Dilution Factor: 1.24 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1.5**	**0.25**	**ppb(v/v)**
Benzyl chloride	ND	0.25	ppb(v/v)
Bromomethane	ND	0.25	ppb(v/v)
Carbon tetrachloride	ND	0.25	ppb(v/v)
Chlorobenzene	ND	0.25	ppb(v/v)
Chloroethane	ND	0.25	ppb(v/v)
Chloroform	ND	0.25	ppb(v/v)
Chloromethane	ND	0.62	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.25	ppb(v/v)
1,2-Dichlorobenzene	ND	0.25	ppb(v/v)
1,3-Dichlorobenzene	ND	0.25	ppb(v/v)
1,4-Dichlorobenzene	ND	0.25	ppb(v/v)
Dichlorodifluoromethane	**0.69**	**0.25**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.25	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.25	ppb(v/v)
1,1-Dichloroethene	ND	0.25	ppb(v/v)
1,2-Dichloropropane	ND	0.25	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.25	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.25	ppb(v/v)
Ethylbenzene	**1.8**	**0.25**	**ppb(v/v)**
Hexachlorobutadiene	ND	1.2	ppb(v/v)
Methylene chloride	ND	0.62	ppb(v/v)
Styrene	**0.32**	**0.25**	**ppb(v/v)**
1,1,2,2-Tetrachloroethane	ND	0.25	ppb(v/v)
Toluene	**4.1**	**0.25**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	1.2	ppb(v/v)
1,1,1-Trichloroethane	ND	0.25	ppb(v/v)
1,1,2-Trichloroethane	ND	0.25	ppb(v/v)
Trichloroethene	ND	0.25	ppb(v/v)
Trichlorofluoromethane	**0.29**	**0.25**	**ppb(v/v)**
1,2,4-Trimethylbenzene	**3.1**	**0.25**	**ppb(v/v)**
1,3,5-Trimethylbenzene	**1.1**	**0.25**	**ppb(v/v)**
Vinyl chloride	ND	0.25	ppb(v/v)
m-Xylene & p-Xylene	**4.8**	**0.25**	**ppb(v/v)**
o-Xylene	**1.9**	**0.25**	**ppb(v/v)**
1,2-Dichloroethane	ND	0.25	ppb(v/v)

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URS Corporation

Client Sample ID: NS-GSVP09-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-009 **Work Order #...:** G6AH41AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(70 - 130)
Toluene-d8	94	(70 - 130)
4-Bromofluorobenzene	99	(70 - 130)

04112105

URS Corporation

Client Sample ID: NS-GSVP10-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-010 **Work Order #...:** G6AH51AA **Matrix.....:** AIR
Date Sampled...: 03/15/05 **Date Received..:** 03/16/05
Prep Date.....: 03/18/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5080400
Dilution Factor: 1.16 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**3.2**	**0.23**	**ppb(v/v)**
Benzyl chloride	ND	0.23	ppb(v/v)
Bromomethane	ND	0.23	ppb(v/v)
Carbon tetrachloride	**0.43**	**0.23**	**ppb(v/v)**
Chlorobenzene	ND	0.23	ppb(v/v)
Chloroethane	ND	0.23	ppb(v/v)
Chloroform	ND	0.23	ppb(v/v)
Chloromethane	**0.97**	**0.58**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND	0.23	ppb(v/v)
1,2-Dichlorobenzene	ND	0.23	ppb(v/v)
1,3-Dichlorobenzene	ND	0.23	ppb(v/v)
1,4-Dichlorobenzene	**12**	**0.23**	**ppb(v/v)**
Dichlorodifluoromethane	**0.96**	**0.23**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.23	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.23	ppb(v/v)
1,1-Dichloroethene	ND	0.23	ppb(v/v)
1,2-Dichloropropane	ND	0.23	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.23	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.23	ppb(v/v)
Ethylbenzene	**1.4**	**0.23**	**ppb(v/v)**
Hexachlorobutadiene	ND	1.2	ppb(v/v)
Methylene chloride	ND	0.58	ppb(v/v)
Styrene	ND	0.23	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.23	ppb(v/v)
Toluene	**14**	**0.23**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	1.2	ppb(v/v)
1,1,1-Trichloroethane	ND	0.23	ppb(v/v)
1,1,2-Trichloroethane	ND	0.23	ppb(v/v)
Trichloroethene	ND	0.23	ppb(v/v)
Trichlorofluoromethane	**0.26**	**0.23**	**ppb(v/v)**
1,2,4-Trimethylbenzene	**0.96**	**0.23**	**ppb(v/v)**
1,3,5-Trimethylbenzene	**0.29**	**0.23**	**ppb(v/v)**
Vinyl chloride	ND	0.23	ppb(v/v)
m-Xylene & p-Xylene	**4.4**	**0.23**	**ppb(v/v)**
o-Xylene	**1.1**	**0.23**	**ppb(v/v)**
1,2-Dichloroethane	ND	0.23	ppb(v/v)

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04/12/05

URS Corporation

Client Sample ID: NS-GSVP10-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-010 **Work Order #...:** G6AH51AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(70 - 130)
Toluene-d8	99	(70 - 130)
4-Bromofluorobenzene	96	(70 - 130)

04/12/05

URS Corporation

Client Sample ID: MS-GSVPUPWIND-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-011 **Work Order #...:** G6AH61AA **Matrix.....:** AIR
Date Sampled...: 03/14/05 **Date Received..:** 03/16/05
Prep Date.....: 03/18/05 **Analysis Date..:** 03/18/05
Prep Batch #...: 5080400
Dilution Factor: 1.17 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.23	ppb(v/v)
Benzyl chloride	ND	0.23	ppb(v/v)
Bromomethane	ND	0.23	ppb(v/v)
Carbon tetrachloride	ND	0.23	ppb(v/v)
Chlorobenzene	ND	0.23	ppb(v/v)
Chloroethane	ND	0.23	ppb(v/v)
Chloroform	ND	0.23	ppb(v/v)
Chloromethane	**0.86**	**0.58**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND	0.23	ppb(v/v)
1,2-Dichlorobenzene	ND	0.23	ppb(v/v)
1,3-Dichlorobenzene	ND	0.23	ppb(v/v)
1,4-Dichlorobenzene	ND	0.23	ppb(v/v)
Dichlorodifluoromethane	**0.66**	**0.23**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.23	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.23	ppb(v/v)
1,1-Dichloroethene	ND	0.23	ppb(v/v)
1,2-Dichloropropane	ND	0.23	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.23	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.23	ppb(v/v)
Ethylbenzene	ND	0.23	ppb(v/v)
Hexachlorobutadiene	ND	1.2	ppb(v/v)
Methylene chloride	ND	0.58	ppb(v/v)
Styrene	ND	0.23	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.23	ppb(v/v)
Toluene	ND	0.23	ppb(v/v)
1,2,4-Trichloro-benzene	ND	1.2	ppb(v/v)
1,1,1-Trichloroethane	ND	0.23	ppb(v/v)
1,1,2-Trichloroethane	ND	0.23	ppb(v/v)
Trichloroethene	ND	0.23	ppb(v/v)
Trichlorofluoromethane	**0.28**	**0.23**	**ppb(v/v)**
1,2,4-Trimethylbenzene	ND	0.23	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.23	ppb(v/v)
Vinyl chloride	ND	0.23	ppb(v/v)
m-Xylene & p-Xylene	ND	0.23	ppb(v/v)
o-Xylene	ND	0.23	ppb(v/v)
1,2-Dichloroethane	ND	0.23	ppb(v/v)

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URS Corporation

Client Sample ID: NS-GSVPUPWIND-0305

GC/MS Volatiles

Lot-Sample #...: H5C160126-011 **Work Order #...:** G6AH61AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	100	(70 - 130)
Toluene-d8	100	(70 - 130)
4-Bromofluorobenzene	94	(70 - 130)

04/12/05

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Level IV Review

Site: NSP Ashland Project SDG #: H5C170218

Client: URS Corporation, Milwaukee, Wisconsin Date: April 12, 2005

Laboratory: Severn Trent Laboratories, Knoxville, Tennessee Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NS-GSVP02S-0305	H5C170218-001	Air
2	NS-GSVP02D-0305	H5C170218-002	Air

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, was used in evaluating the data in this summary report. Ten percent if the calculations for the samples in this data package were verified for the Level IV validation.

Holding Times - All samples were analyzed within 14 days for air samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. The BFB tunes were analyzed daily (24 hours) per the method.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS sample(s) exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC samples were not included in this data package.

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) – TICs were not reported in this data package.

Compound Quantitation - No discrepancies were identified.

URS Corporation

Client Sample ID: NS-GSVP02S-0305

GC/MS Volatiles

Lot-Sample #...: H5C170218-001 **Work Order #...:** G6FG21AA **Matrix.....:** AIR
Date Sampled...: 03/15/05 **Date Received..:** 03/17/05
Prep Date.....: 03/21/05 **Analysis Date..:** 03/22/05
Prep Batch #...: 5081142
Dilution Factor: 1.31 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.82**	**0.26**	**ppb(v/v)**
Benzyl chloride	ND	0.26	ppb(v/v)
Bromomethane	ND	0.26	ppb(v/v)
Carbon tetrachloride	ND	0.26	ppb(v/v)
Chlorobenzene	ND	0.26	ppb(v/v)
Chloroethane	ND	0.26	ppb(v/v)
Chloroform	ND	0.26	ppb(v/v)
Chloromethane	**0.88**	**0.66**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND	0.26	ppb(v/v)
1,2-Dichlorobenzene	ND	0.26	ppb(v/v)
1,3-Dichlorobenzene	ND	0.26	ppb(v/v)
1,4-Dichlorobenzene	ND	0.26	ppb(v/v)
Dichlorodifluoromethane	**0.59**	**0.26**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.26	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.26	ppb(v/v)
1,1-Dichloroethene	ND	0.26	ppb(v/v)
1,2-Dichloropropane	ND	0.26	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.26	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.26	ppb(v/v)
Ethylbenzene	**0.60**	**0.26**	**ppb(v/v)**
Hexachlorobutadiene	ND	1.3	ppb(v/v)
Methylene chloride	ND	0.66	ppb(v/v)
Styrene	**0.35**	**0.26**	**ppb(v/v)**
1,1,2,2-Tetrachloroethane	ND	0.26	ppb(v/v)
Toluene	**1.7**	**0.26**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	1.3	ppb(v/v)
1,1,1-Trichloroethane	ND	0.26	ppb(v/v)
1,1,2-Trichloroethane	ND	0.26	ppb(v/v)
Trichloroethene	ND	0.26	ppb(v/v)
Trichlorofluoromethane	ND	0.26	ppb(v/v)
1,2,4-Trimethylbenzene	**1.9**	**0.26**	**ppb(v/v)**
1,3,5-Trimethylbenzene	**0.54**	**0.26**	**ppb(v/v)**
Vinyl chloride	ND	0.26	ppb(v/v)
m-Xylene & p-Xylene	**1.7**	**0.26**	**ppb(v/v)**
o-Xylene	**0.81**	**0.26**	**ppb(v/v)**
1,2-Dichloroethane	ND	0.26	ppb(v/v)

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04/12/05

URS Corporation

Client Sample ID: NS-GSVP02S-0305

GC/MS Volatiles

Lot-Sample #...: H5C170218-001 **Work Order #...:** G6FG21AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(70 - 130)
Toluene-d8	101	(70 - 130)
4-Bromofluorobenzene	105	(70 - 130)

04/12/05

URS Corporation

Client Sample ID: NS-GSVP02D-0305

GC/MS Volatiles

Lot-Sample #...: H5C170218-002 **Work Order #...:** G6FHA1AA **Matrix.....:** AIR
Date Sampled...: 03/15/05 **Date Received..:** 03/17/05
Prep Date.....: 03/21/05 **Analysis Date..:** 03/22/05
Prep Batch #...: 5081142
Dilution Factor: 1.26 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.25	ppb(v/v)
Benzyl chloride	ND	0.25	ppb(v/v)
Bromomethane	ND	0.25	ppb(v/v)
Carbon tetrachloride	ND	0.25	ppb(v/v)
Chlorobenzene	ND	0.25	ppb(v/v)
Chloroethane	ND	0.25	ppb(v/v)
Chloroform	ND	0.25	ppb(v/v)
Chloromethane	ND	0.63	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.25	ppb(v/v)
1,2-Dichlorobenzene	ND	0.25	ppb(v/v)
1,3-Dichlorobenzene	ND	0.25	ppb(v/v)
1,4-Dichlorobenzene	ND	0.25	ppb(v/v)
Dichlorodifluoromethane	**0.63**	**0.25**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.25	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.25	ppb(v/v)
1,1-Dichloroethene	ND	0.25	ppb(v/v)
1,2-Dichloropropane	ND	0.25	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.25	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.25	ppb(v/v)
Ethylbenzene	ND	0.25	ppb(v/v)
Hexachlorobutadiene	ND	1.3	ppb(v/v)
Methylene chloride	ND	0.63	ppb(v/v)
Styrene	ND	0.25	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.25	ppb(v/v)
Toluene	**0.45**	**0.25**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	1.3	ppb(v/v)
1,1,1-Trichloroethane	ND	0.25	ppb(v/v)
1,1,2-Trichloroethane	ND	0.25	ppb(v/v)
Trichloroethene	ND	0.25	ppb(v/v)
Trichlorofluoromethane	**0.26**	**0.25**	**ppb(v/v)**
1,2,4-Trimethylbenzene	ND	0.25	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.25	ppb(v/v)
Vinyl chloride	ND	0.25	ppb(v/v)
m-Xylene & p-Xylene	ND	0.25	ppb(v/v)
o-Xylene	ND	0.25	ppb(v/v)
1,2-Dichloroethane	ND	0.25	ppb(v/v)

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04/12/05

URS Corporation

Client Sample ID: NS-GSVP02D-0305

GC/MS Volatiles

Lot-Sample #...: H5C170218-002 **Work Order #...:** G6FHA1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	111	(70 - 130)
Toluene-d8	104	(70 - 130)
4-Bromofluorobenzene	107	(70 - 130)

04/12/05

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Level IV Review

Site: NSP Ashland Project SDG #: H5D200132

Client: URS Corporation, Milwaukee, Wisconsin Date: June 3, 2005

Laboratory: Severn Trent Laboratories, Knoxville, Tennessee Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NS-GSVP10-0405	H5D200132-001	Air
1RE	NS-GSVP10-0405RE	H5D200132-001RE	Air
2	NS-GSUPWIND-0405	H5D200132-002	Air
2RE	NS-GSUPWIND-0405RE	H5D200132-002RE	Air
3	NS-GSINDOOR-0405	H5D200132-003	Air
3RE	NS-GSINDOOR-0405	H5D200132-003RE	Air

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, was used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for air samples except the following.

Sample	Date Sampled	Date Analyzed	# of Days	Qualifier
1	04/18/05	05/03/05	15	J/UJ
1RE	04/18/05	05/03/05	15	J/UJ
2	04/18/05	05/03/05	15	J/UJ
2RE	04/18/05	05/03/05	15	J/UJ

GC/MS Tuning - All of the tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values except the following.

ICAL Date	Compound	%RSD	Qualifier	Affected Samples
04/26/05	1,2,4-Trichlorobenzene	30.94%	UJ	3, 3RE

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
05/03/05	1,2,4-Trichlorobenzene	30.3%	None	Already Qualified

Surrogates - All samples exhibited acceptable surrogate recoveries except the following.

Sample ID	Surrogate	%R	Qualifier
1	1,2-Dichloroethane-d4	137%	None - Already qualified
2	1,2-Dichloroethane-d4	147%	None - Already qualified
2RE	1,2-Dichloroethane-d4	138%	None - Already qualified
3	1,2-Dichloroethane-d4	142%	J - positive results
3RE	1,2-Dichloroethane-d4	134%	J - positive results

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria except the following.

Sample ID	Internal Standard	Area Count	Qualifier
1RE	IS1 - Bromodichloromethane IS2 - 1,4-Difluorobenzene IS3 - Chlorobenzene-d5	High High High	None - Already qualified

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - All samples were reanalyzed due to surrogate and/or internal standard issues. The original analysis results for samples 1 and 3 should be used for reporting purposes. The reanalysis results for sample 2 should be used for reporting purposes.

URS Corporation

Client Sample ID: NS-GSVP10-0405

GC/MS Volatiles

Lot-Sample #...: H5D200132-001 Work Order #...: G8PN81AA Matrix.....: AA
Date Sampled...: 04/18/05 Date Received..: 04/20/05
Prep Date.....: 05/02/05 Analysis Date..: 05/03/05
Prep Batch #...: 5123200
Dilution Factor: 1.3 Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1.7** J	**0.26**	**ppb(v/v)**
Benzyl chloride	ND UJ	0.26	ppb(v/v)
Bromomethane	ND UJ	0.26	ppb(v/v)
Carbon tetrachloride	**0.34** J	**0.26**	**ppb(v/v)**
Chlorobenzene	ND UJ	0.26	ppb(v/v)
Chloroethane	ND	0.26	ppb(v/v)
Chloroform	ND	0.26	ppb(v/v)
Chloromethane	ND	0.65	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.26	ppb(v/v)
1,2-Dichlorobenzene	ND	0.26	ppb(v/v)
1,3-Dichlorobenzene	ND	0.26	ppb(v/v)
1,4-Dichlorobenzene	**2.3** J	**0.26**	**ppb(v/v)**
Dichlorodifluoromethane	**0.89** J	**0.26**	**ppb(v/v)**
1,1-Dichloroethane	ND UJ	0.26	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.26	ppb(v/v)
1,1-Dichloroethene	ND	0.26	ppb(v/v)
1,2-Dichloropropane	ND	0.26	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.26	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.26	ppb(v/v)
Ethylbenzene	**0.68** J	**0.26**	**ppb(v/v)**
Hexachlorobutadiene	ND UJ	1.3	ppb(v/v)
Methylene chloride	ND	0.65	ppb(v/v)
Styrene	ND	0.26	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.26	ppb(v/v)
Toluene	**3.8** J	**0.26**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND UJ	1.3	ppb(v/v)
1,1,1-Trichloroethane	ND UJ	0.26	ppb(v/v)
1,1,2-Trichloroethane	ND	0.26	ppb(v/v)
Trichloroethene	ND	0.26	ppb(v/v)
Trichlorofluoromethane	**0.40** J	**0.26**	**ppb(v/v)**
1,2,4-Trimethylbenzene	**0.70** J	**0.26**	**ppb(v/v)**
1,3,5-Trimethylbenzene	ND UJ	0.26	ppb(v/v)
Vinyl chloride	ND UJ	0.26	ppb(v/v)
m-Xylene & p-Xylene	**2.3** J	**0.26**	**ppb(v/v)**
o-Xylene	**0.77** J	**0.26**	**ppb(v/v)**
1,2-Dichloroethane	ND UJ	0.26	ppb(v/v)

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06/03/05

URS Corporation

Client Sample ID: MS-GSVP10-0405

GC/MS Volatiles

Lot-Sample #...: H5D200132-001 Work Order #...: G8PN81AA Matrix.....: AA

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	137 *	(70 - 130)
Toluene-d8	103	(70 - 130)
4-Bromofluorobenzene	123	(70 - 130)

NOTE(S):

* Surrogate recovery is outside stated control limits.

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URS Corporation

Client Sample ID: NS-GSVP10-0405 RE

GC/MS Volatiles

Lot-Sample #...: H5D200132-001 RE Work Order #...: G8PN82AA Matrix.....: AA
Date Sampled...: 04/18/05 Date Received..: 04/20/05
Prep Date.....: 05/03/05 Analysis Date..: 05/03/05
Prep Batch #...: 5124042
Dilution Factor: 1.3 Method.....: EPA-2 TO-15

PARAMETER	RESULT		REPORTING LIMIT	UNITS
Benzene	**1.7**	J	**0.26**	**ppb(v/v)**
Benzyl chloride	ND	UJ	0.26	ppb(v/v)
Bromomethane	ND		0.26	ppb(v/v)
Carbon tetrachloride	ND		0.26	ppb(v/v)
Chlorobenzene	ND		0.26	ppb(v/v)
Chloroethane	ND		0.26	ppb(v/v)
Chloroform	ND		0.26	ppb(v/v)
Chloromethane	ND		0.65	ppb(v/v)
1,2-Dibromoethane (EDB)	ND		0.26	ppb(v/v)
1,2-Dichlorobenzene	ND		0.26	ppb(v/v)
1,3-Dichlorobenzene	ND		0.26	ppb(v/v)
1,4-Dichlorobenzene	**2.1**	J	**0.26**	**ppb(v/v)**
Dichlorodifluoromethane	**0.53**	J	**0.26**	**ppb(v/v)**
1,1-Dichloroethane	ND	UJ	0.26	ppb(v/v)
cis-1,2-Dichloroethene	ND		0.26	ppb(v/v)
1,1-Dichloroethene	ND		0.26	ppb(v/v)
1,2-Dichloropropane	ND		0.26	ppb(v/v)
cis-1,3-Dichloropropene	ND		0.26	ppb(v/v)
trans-1,3-Dichloropropene	ND		0.26	ppb(v/v)
Ethylbenzene	**0.67**	J	**0.26**	**ppb(v/v)**
Hexachlorobutadiene	ND	UJ	1.3	ppb(v/v)
Methylene chloride	ND		0.65	ppb(v/v)
Styrene	ND		0.26	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND		0.26	ppb(v/v)
Toluene	**3.8**	J	**0.26**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND	UJ	1.3	ppb(v/v)
1,1,1-Trichloroethane	ND	UJ	0.26	ppb(v/v)
1,1,2-Trichloroethane	ND		0.26	ppb(v/v)
Trichloroethene	ND		0.26	ppb(v/v)
Trichlorofluoromethane	**0.26**	J	**0.26**	**ppb(v/v)**
1,2,4-Trimethylbenzene	**0.64**	J	**0.26**	**ppb(v/v)**
1,3,5-Trimethylbenzene	ND	UJ	0.26	ppb(v/v)
Vinyl chloride	ND		0.26	ppb(v/v)
m-Xylene & p-Xylene	**2.2**	J	**0.26**	**ppb(v/v)**
o-Xylene	**0.71**	J	**0.26**	**ppb(v/v)**
1,2-Dichloroethane	ND	UJ	0.26	ppb(v/v)

See original analysis

(Continued on next page)

06103105

URS Corporation

Client Sample ID: NS-GSVP10-0405 RE

GC/MS Volatiles

Lot-Sample #...: H5D200132-001 RE Work Order #...: G8PN82AA Matrix.....: AA

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(70 - 130)
Toluene-d8	104	(70 - 130)
4-Bromofluorobenzene	100	(70 - 130)

See original analysis

06/03/05

URS Corporation

Client Sample ID: NS-GSUPWIND-0405

GC/MS Volatiles

Lot-Sample #...:	H5D200132-002	**Work Order #...:**	G8PPD1AA	**Matrix.....:**	AA
Date Sampled...:	04/18/05	**Date Received..:**	04/20/05		
Prep Date.....:	05/02/05	**Analysis Date..:**	05/03/05		
Prep Batch #...:	5123200				
Dilution Factor:	1.52	**Method.....:**	EPA-2 TO-15		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND UJ	0.30	ppb(v/v)
Benzyl chloride	ND	0.30	ppb(v/v)
Bromomethane	ND	0.30	ppb(v/v)
Carbon tetrachloride	ND	0.30	ppb(v/v)
Chlorobenzene	ND	0.30	ppb(v/v)
Chloroethane	ND	0.30	ppb(v/v)
Chloroform	ND	0.30	ppb(v/v)
Chloromethane	ND	0.76	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.30	ppb(v/v)
1,2-Dichlorobenzene	ND	0.30	ppb(v/v)
1,3-Dichlorobenzene	ND	0.30	ppb(v/v)
1,4-Dichlorobenzene	ND	0.30	ppb(v/v)
Dichlorodifluoromethane	**0.70 J**	**0.30**	**ppb(v/v)**
1,1-Dichloroethane	ND UJ	0.30	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.30	ppb(v/v)
1,1-Dichloroethene	ND	0.30	ppb(v/v)
1,2-Dichloropropane	ND	0.30	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.30	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.30	ppb(v/v)
Ethylbenzene	ND	0.30	ppb(v/v)
Hexachlorobutadiene	ND	1.5	ppb(v/v)
Methylene chloride	ND	0.76	ppb(v/v)
Styrene	ND	0.30	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.30	ppb(v/v)
Toluene	**0.38 J**	**0.30**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND UJ	1.5	ppb(v/v)
1,1,1-Trichloroethane	ND	0.30	ppb(v/v)
1,1,2-Trichloroethane	ND	0.30	ppb(v/v)
Trichloroethene	ND	0.30	ppb(v/v)
Trichlorofluoromethane	**0.34 J**	**0.30**	**ppb(v/v)**
1,2,4-Trimethylbenzene	ND UJ	0.30	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.30	ppb(v/v)
Vinyl chloride	ND	0.30	ppb(v/v)
m-Xylene & p-Xylene	ND	0.30	ppb(v/v)
o-Xylene	ND	0.30	ppb(v/v)
1,2-Dichloroethane	ND	0.30	ppb(v/v)

See reanalysis results

(Continued on next page)

06/03/05

URS Corporation

Client Sample ID: NS-GSUPWIND-0405

GC/MS Volatiles

Lot-Sample #...: H5D200132-002 **Work Order #...:** G8PPD1AA **Matrix.....:** AA

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	147 *	(70 - 130)
Toluene-d8	110	(70 - 130)
4-Bromofluorobenzene	112	(70 - 130)

NOTE(S):

* Surrogate recovery is outside stated control limits.

See reanalysis results

06/03/05

URS Corporation

Client Sample ID: NS-GSUPWIND-0405 RE

GC/MS Volatiles

Lot-Sample #...: H5D200132-002 RE Work Order #...: G8PPD2AA Matrix.....: AA
Date Sampled...: 04/18/05 Date Received..: 04/20/05
Prep Date.....: 05/03/05 Analysis Date..: 05/03/05
Prep Batch #...: 5124042
Dilution Factor: 1.52 Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND UJ	0.30	ppb(v/v)
Benzyl chloride	ND	0.30	ppb(v/v)
Bromomethane	ND	0.30	ppb(v/v)
Carbon tetrachloride	ND	0.30	ppb(v/v)
Chlorobenzene	ND	0.30	ppb(v/v)
Chloroethane	ND	0.30	ppb(v/v)
Chloroform	ND	0.30	ppb(v/v)
Chloromethane	**1.1 J**	**0.76**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND UJ	0.30	ppb(v/v)
1,2-Dichlorobenzene	ND	0.30	ppb(v/v)
1,3-Dichlorobenzene	ND	0.30	ppb(v/v)
1,4-Dichlorobenzene	**0.34 J**	**0.30**	**ppb(v/v)**
Dichlorodifluoromethane	**0.87 J**	**0.30**	**ppb(v/v)**
1,1-Dichloroethane	ND UJ	0.30	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.30	ppb(v/v)
1,1-Dichloroethene	ND	0.30	ppb(v/v)
1,2-Dichloropropane	ND	0.30	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.30	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.30	ppb(v/v)
Ethylbenzene	ND	0.30	ppb(v/v)
Hexachlorobutadiene	ND	1.5	ppb(v/v)
Methylene chloride	ND	0.76	ppb(v/v)
Styrene	ND	0.30	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.30	ppb(v/v)
Toluene	**0.45 J**	**0.30**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND UJ	1.5	ppb(v/v)
1,1,1-Trichloroethane	ND	0.30	ppb(v/v)
1,1,2-Trichloroethane	ND	0.30	ppb(v/v)
Trichloroethene	ND	0.30	ppb(v/v)
Trichlorofluoromethane	ND	0.30	ppb(v/v)
1,2,4-Trimethylbenzene	ND	0.30	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.30	ppb(v/v)
Vinyl chloride	ND	0.30	ppb(v/v)
m-Xylene & p-Xylene	ND	0.30	ppb(v/v)
o-Xylene	ND	0.30	ppb(v/v)
1,2-Dichloroethane	ND	0.30	ppb(v/v)

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06/03/05

URS Corporation

Client Sample ID: NS-GSUPWIND-0405

GC/MS Volatiles

Lot-Sample #...: H5D200132-002 Work Order #...: G8PPD2AA Matrix.....: AA

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	138 *	(70 - 130)
Toluene-d8	104	(70 - 130)
4-Bromofluorobenzene	109	(70 - 130)

NOTE(S):

* Surrogate recovery is outside stated control limits.

06/03/05
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URS Corporation

Client Sample ID: NS-GSINDOOR-0405

GC/MS Volatiles

Lot-Sample #...: H5D200132-003 Work Order #...: G8PPE1AA Matrix.....: AA
Date Sampled...: 04/19/05 Date Received..: 04/20/05
Prep Date.....: 05/02/05 Analysis Date..: 05/03/05
Prep Batch #...: 5123200
Dilution Factor: 1.54 Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	12 J	0.31	ppb(v/v)
Benzyl chloride	ND	0.31	ppb(v/v)
Bromomethane	ND	0.31	ppb(v/v)
Carbon tetrachloride	1.7 J	0.31	ppb(v/v)
Chlorobenzene	ND	0.31	ppb(v/v)
Chloroethane	ND	0.31	ppb(v/v)
Chloroform	ND	0.31	ppb(v/v)
Chloromethane	1.3 J	0.77	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.31	ppb(v/v)
1,2-Dichlorobenzene	ND	0.31	ppb(v/v)
1,3-Dichlorobenzene	ND	0.31	ppb(v/v)
1,4-Dichlorobenzene	6.9 J	0.31	ppb(v/v)
Dichlorodifluoromethane	1.1 J	0.31	ppb(v/v)
1,1-Dichloroethane	ND	0.31	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.31	ppb(v/v)
1,1-Dichloroethene	ND	0.31	ppb(v/v)
1,2-Dichloropropane	ND	0.31	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.31	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.31	ppb(v/v)
Ethylbenzene	6.2 J	0.31	ppb(v/v)
Hexachlorobutadiene	ND	1.5	ppb(v/v)
Methylene chloride	1.4 J	0.77	ppb(v/v)
Styrene	ND	0.31	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.31	ppb(v/v)
Toluene	27 J	0.31	ppb(v/v)
1,2,4-Trichloro-benzene	ND UJ	1.5	ppb(v/v)
1,1,1-Trichloroethane	2.3 J	0.31	ppb(v/v)
1,1,2-Trichloroethane	ND	0.31	ppb(v/v)
Trichloroethene	0.59 J	0.31	ppb(v/v)
Trichlorofluoromethane	0.47 J	0.31	ppb(v/v)
1,2,4-Trimethylbenzene	0.81 J	0.31	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.31	ppb(v/v)
Vinyl chloride	ND	0.31	ppb(v/v)
m-Xylene & p-Xylene	17 J	0.31	ppb(v/v)
o-Xylene	4.3 J	0.31	ppb(v/v)
1,2-Dichloroethane	ND	0.31	ppb(v/v)

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URS Corporation

Client Sample ID: NS-GSINDOOR-0405

GC/MS Volatiles

Lot-Sample #...: H5D200132-003 Work Order #...: G8PPE1AA Matrix.....: AA

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	142 *	(70 - 130)
Toluene-d8	100	(70 - 130)
4-Bromofluorobenzene	126	(70 - 130)

NOTE(S):

* Surrogate recovery is outside stated control limits.

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URS Corporation

Client Sample ID: MS-GSINDOOR-0405 RE

GC/MS Volatiles

Lot-Sample #...: H5D200132-003 RE **Work Order #...:** G8PPE2AA **Matrix.....:** AA
Date Sampled...: 04/19/05 **Date Received..:** 04/20/05
Prep Date.....: 05/02/05 **Analysis Date..:** 05/03/05
Prep Batch #...: 5123200
Dilution Factor: 1.54 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**12** J	**0.31**	**ppb(v/v)**
Benzyl chloride	ND	0.31	ppb(v/v)
Bromomethane	ND	0.31	ppb(v/v)
Carbon tetrachloride	**1.7** J	**0.31**	**ppb(v/v)**
Chlorobenzene	ND	0.31	ppb(v/v)
Chloroethane	ND	0.31	ppb(v/v)
Chloroform	ND	0.31	ppb(v/v)
Chloromethane	**1.2** J	**0.77**	**ppb(v/v)**
1,2-Dibromoethane (EDB)	ND	0.31	ppb(v/v)
1,2-Dichlorobenzene	ND	0.31	ppb(v/v)
1,3-Dichlorobenzene	ND	0.31	ppb(v/v)
1,4-Dichlorobenzene	**6.9** J	**0.31**	**ppb(v/v)**
Dichlorodifluoromethane	**0.98** J	**0.31**	**ppb(v/v)**
1,1-Dichloroethane	ND	0.31	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.31	ppb(v/v)
1,1-Dichloroethene	ND	0.31	ppb(v/v)
1,2-Dichloropropane	ND	0.31	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.31	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.31	ppb(v/v)
Ethylbenzene	**6.1** J	**0.31**	**ppb(v/v)**
Hexachlorobutadiene	ND	1.5	ppb(v/v)
Methylene chloride	**1.5** J	**0.77**	**ppb(v/v)**
Styrene	ND	0.31	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.31	ppb(v/v)
Toluene	**28** J	**0.31**	**ppb(v/v)**
1,2,4-Trichloro-benzene	ND UJ	1.5	ppb(v/v)
1,1,1-Trichloroethane	**2.2** J	**0.31**	**ppb(v/v)**
1,1,2-Trichloroethane	ND	0.31	ppb(v/v)
Trichloroethene	**0.56** J	**0.31**	**ppb(v/v)**
Trichlorofluoromethane	**0.47** J	**0.31**	**ppb(v/v)**
1,2,4-Trimethylbenzene	**0.80** J	**0.31**	**ppb(v/v)**
1,3,5-Trimethylbenzene	ND	0.31	ppb(v/v)
Vinyl chloride	ND	0.31	ppb(v/v)
m-Xylene & p-Xylene	**17** J	**0.31**	**ppb(v/v)**
o-Xylene	**4.2** J	**0.31**	**ppb(v/v)**
1,2-Dichloroethane	ND	0.31	ppb(v/v)

See original analysis

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06/03/05

URS Corporation

Client Sample ID: NS-GSINDOOR-0405

GC/MS Volatiles

Lot-Sample #...: H5D200132-003 Work Order #...: G8PPE2AA Matrix.....: AA

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	134 *	(70 - 130)
Toluene-d8	103	(70 - 130)
4-Bromofluorobenzene	117	(70 - 130)

NOTE(S):

* Surrogate recovery is outside stated control limits.

See original analysis

06/03/05

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Level IV Review

Site: NSP Ashland Project SDG #: H5G210136

Client: URS Corporation, Milwaukee, Wisconsin Date: September 20, 2005

Laboratory: Severn Trent Laboratories, Knoxville, Tennessee Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NS-GSVP01-0705	H5G210136-001	Air
2	NS-GSVP02S-0705	H5G210136-002	Air
3	NS-GSVP02D-0705	H5G210136-003	Air
4	NS-GSVP03S-0705	H5G210136-004	Air
4RE	NS-GSVP03S-0705RE	H5G210136-004RE	Air
5	NS-GSVP03I-0705	H5G210136-005	Air
5RE	NS-GSVP03I-0705RE	H5G210136-005RE	Air
6	NS-GSVP03D-0705	H5G210136-006	Air
6RE	NS-GSVP03D-0705RE	H5G210136-006RE	Air
7	NS-GSVP05-0705	H5G210136-007	Air
8	NS-GSVP06-0705	H5G210136-008	Air
9	NS-GSVP07-0705	H5G210136-009	Air
9RE	NS-GSVP07-0705RE	H5G210136-009RE	Air
10	NS-GSVP08-0705	H5G210136-010	Air
11	NS-GSVP09-0705	H5G210136-011	Air
12	NS-GSVP10-0705	H5G210136-012	Air
13	NS-GSDUP01-0705	H5G210136-013	Air
14	NS-GSUPWIND-0705	H5G210136-014	Air
15	NS-GSINDOOR-0705	H5G210136-015	Air

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, was used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for air samples.

GC/MS Tuning - All of the tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
07/26/05	1,2-Dichloropropane	26.95%	J/UJ	10-15
	Toluene	25.96%	J/UJ	10-15

Surrogates - All samples exhibited acceptable surrogate recoveries with the exception of four samples that exhibited poor chromatography and the surrogate recoveries were 0%. The results were reported as NR. See compound quantitation section for more.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria with the exception of four samples that exhibited poor chromatography and the internal standard recoveries were 0%. The results were reported as NR. See compound quantitation section for more.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate results are summarized below.

Compound	NS-GSVP05-0705 ug/m3	NS-GSDUP01-0705 ug/m3	RPD	Qualifier
Trichlorofluoromethane	1.7	1.5	13	None
Dichlorodifluoromethane	3.4	3.0	13	None
Toluene	1.3	0.97U	NC	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Four samples were reanalyzed due to surrogate and/or internal standard issues. Four samples were originally analyzed at 500 ml with poor chromatography and no internal standard and surrogate recoveries. The samples were reanalyzed at 50 ml with acceptable results. The reanalysis results should be used for reporting purposes.

URS Corporation

Client Sample ID: NS-GSVP01-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 001 **Work Order #** HFX6E1AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/26/05 **Analysis Date...** 7/26/05
Prep Batch #.....: 5208201
Dilution Factor.: 1.28 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.26	ND	1.2
Ethylbenzene	**0.26**	**0.26**	**1.1**	**1.1**
Trichlorofluoromethane	**0.31**	**0.26**	**1.7**	**1.4**
Hexachlorobutadiene	ND	1.3	ND	14
Methylene chloride	ND	0.64	ND	2.2
Benzene	ND	0.26	ND	0.82
Benzyl chloride	ND	0.26	ND	1.3
Styrene	ND	0.26	ND	1.1
1,1,2,2-Tetrachloroethane	ND	0.26	ND	1.8
Toluene	ND	0.26	ND	0.96
1,2,4-Trichlorobenzene	ND	1.3	ND	9.5
1,1,1-Trichloroethane	ND	0.26	ND	1.4
1,1,2-Trichloroethane	ND	0.26	ND	1.4
Trichloroethene	ND	0.26	ND	1.4
1,2,4-Trimethylbenzene	ND	0.26	ND	1.3
1,3,5-Trimethylbenzene	ND	0.26	ND	1.3
Vinyl chloride	ND	0.26	ND	0.65
o-Xylene	ND	0.26	ND	1.1
m-Xylene & p-Xylene	**0.43**	**0.26**	**1.9**	**1.1**
1,2-Dibromoethane (EDB)	ND	0.26	ND	2.0
Bromomethane	ND	0.26	ND	0.99
Carbon tetrachloride	ND	0.26	ND	1.6
Chlorobenzene	ND	0.26	ND	1.2
Chloroethane	ND	0.26	ND	0.68
Chloroform	ND	0.26	ND	1.2
Chloromethane	ND	0.64	ND	1.3
1,2-Dichlorobenzene	ND	0.26	ND	1.5
1,3-Dichlorobenzene	ND	0.26	ND	1.5
1,4-Dichlorobenzene	ND	0.26	ND	1.5
Dichlorodifluoromethane	ND	0.26	ND	1.3
1,1-Dichloroethane	ND	0.26	ND	1.0
1,2-Dichloroethane	ND	0.26	ND	1.0
1,1-Dichloroethene	ND	0.26	ND	1.0
cis-1,2-Dichloroethene	ND	0.26	ND	1.0
1,2-Dichloropropane	ND	0.26	ND	1.2
cis-1,3-Dichloropropene	ND	0.26	ND	1.2

09/20/05

URS Corporation

Client Sample ID: NS-GSVP01-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 001 **Work Order #** HFX6E1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	123	70 - 130
Toluene-d8	87	70 - 130
4-Bromofluorobenzene	79	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

09/20/05

URS Corporation

Client Sample ID: NS-GSVP02S-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 002 **Work Order #** HFX621AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/26/05 **Analysis Date...** 7/26/05
Prep Batch #.....: 5208201
Dilution Factor.: 1.31 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.26	ND	1.2
Ethylbenzene	ND	0.26	ND	1.1
Trichlorofluoromethane	ND	0.26	ND	1.5
Hexachlorobutadiene	ND	1.3	ND	14
Methylene chloride	ND	0.66	ND	2.3
Benzene	ND	0.26	ND	0.84
Benzyl chloride	ND	0.26	ND	1.4
Styrene	ND	0.26	ND	1.1
1,1,2,2-Tetrachloroethane	ND	0.26	ND	1.8
Toluene	ND uJ	0.26	ND uJ	0.99
1,2,4-Trichlorobenzene	ND	1.3	ND	9.7
1,1,1-Trichloroethane	**0.37**	**0.26**	**2.0**	**1.4**
1,1,2-Trichloroethane	ND	0.26	ND	1.4
Trichloroethene	ND	0.26	ND	1.4
1,2,4-Trimethylbenzene	ND	0.26	ND	1.3
1,3,5-Trimethylbenzene	ND	0.26	ND	1.3
Vinyl chloride	ND	0.26	ND	0.67
o-Xylene	ND	0.26	ND	1.1
m-Xylene & p-Xylene	ND	0.26	ND	1.1
1,2-Dibromoethane (EDB)	ND	0.26	ND	2.0
Bromomethane	ND	0.26	ND	1.0
Carbon tetrachloride	ND	0.26	ND	1.6
Chlorobenzene	ND	0.26	ND	1.2
Chloroethane	ND	0.26	ND	0.69
Chloroform	ND	0.26	ND	1.3
Chloromethane	ND	0.66	ND	1.4
1,2-Dichlorobenzene	ND	0.26	ND	1.6
1,3-Dichlorobenzene	ND	0.26	ND	1.6
1,4-Dichlorobenzene	ND	0.26	ND	1.6
Dichlorodifluoromethane	**0.37**	**0.26**	**1.8**	**1.3**
1,1-Dichloroethane	ND	0.26	ND	1.1
1,2-Dichloroethane	ND	0.26	ND	1.1
1,1-Dichloroethene	ND	0.26	ND	1.0
cis-1,2-Dichloroethene	ND	0.26	ND	1.0
1,2-Dichloropropane	ND uJ	0.26	ND uJ	1.2
cis-1,3-Dichloropropene	ND	0.26	ND	1.2

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URS Corporation

Client Sample ID: NS-GSVP02S-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 002 **Work Order #** HFX621AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	118	70 - 130
Toluene-d8	96	70 - 130
4-Bromofluorobenzene	81	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP02D-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 003 **Work Order #** HFX641AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/27/05 **Analysis Date...** 7/28/05
Prep Batch #.....: 5209185
Dilution Factor.: 1.45 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.29	ND	1.3
Ethylbenzene	ND	0.29	ND	1.3
Trichlorofluoromethane	**0.52**	**0.29**	**2.9**	**1.6**
Hexachlorobutadiene	ND	1.4	ND	15
Methylene chloride	ND	0.72	ND	2.5
Benzene	ND	0.29	ND	0.93
Benzyl chloride	ND	0.29	ND	1.5
Styrene	ND	0.29	ND	1.2
1,1,2,2-Tetrachloroethane	ND	0.29	ND	2.0
Toluene	ND	0.29	ND	1.1
1,2,4-Trichlorobenzene	ND	1.4	ND	11
1,1,1-Trichloroethane	**0.33**	**0.29**	**1.8**	**1.6**
1,1,2-Trichloroethane	ND	0.29	ND	1.6
Trichloroethene	ND	0.29	ND	1.6
1,2,4-Trimethylbenzene	ND	0.29	ND	1.4
1,3,5-Trimethylbenzene	ND	0.29	ND	1.4
Vinyl chloride	ND	0.29	ND	0.74
o-Xylene	ND	0.29	ND	1.3
m-Xylene & p-Xylene	ND	0.29	ND	1.3
1,2-Dibromoethane (EDB)	ND	0.29	ND	2.2
Bromomethane	ND	0.29	ND	1.1
Carbon tetrachloride	ND	0.29	ND	1.8
Chlorobenzene	ND	0.29	ND	1.3
Chloroethane	ND	0.29	ND	0.77
Chloroform	ND	0.29	ND	1.4
Chloromethane	ND	0.72	ND	1.5
1,2-Dichlorobenzene	ND	0.29	ND	1.7
1,3-Dichlorobenzene	ND	0.29	ND	1.7
1,4-Dichlorobenzene	ND	0.29	ND	1.7
Dichlorodifluoromethane	ND	0.29	ND	1.4
1,1-Dichloroethane	ND	0.29	ND	1.2
1,2-Dichloroethane	ND	0.29	ND	1.2
1,1-Dichloroethene	ND	0.29	ND	1.1
cis-1,2-Dichloroethene	ND	0.29	ND	1.1
1,2-Dichloropropane	ND	0.29	ND	1.3
cis-1,3-Dichloropropene	ND	0.29	ND	1.3

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URS Corporation

Client Sample ID: NS-GSVP02D-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 003 **Work Order #** HFX641AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	96	70 - 130
Toluene-d8	118	70 - 130
4-Bromofluorobenzene	106	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP03S-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 004 **Work Order #** HFX661AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/27/05 **Analysis Date...** 7/27/05
Prep Batch #.....: 5209185
Dilution Factor.: 1.34 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	NR		NR	
Ethylbenzene	NR		NR	
Trichlorofluoromethane	NR		NR	
Hexachlorobutadiene	NR		NR	
Methylene chloride	NR		NR	
Benzene	NR		NR	
Benzyl chloride	NR		NR	
Styrene	NR		NR	
1,1,2,2-Tetrachloroethane	NR		NR	
Toluene	NR		NR	
1,2,4-Trichlorobenzene	NR		NR	
1,1,1-Trichloroethane	NR		NR	
1,1,2-Trichloroethane	NR		NR	
Trichloroethene	NR		NR	
1,2,4-Trimethylbenzene	NR		NR	
1,3,5-Trimethylbenzene	NR		NR	
Vinyl chloride	NR		NR	
o-Xylene	NR		NR	
m-Xylene & p-Xylene	NR		NR	
1,2-Dibromoethane (EDB)	NR		NR	
Bromomethane	NR		NR	
Carbon tetrachloride	NR		NR	
Chlorobenzene	NR		NR	
Chloroethane	NR		NR	
Chloroform	NR		NR	
Chloromethane	NR		NR	
1,2-Dichlorobenzene	NR		NR	
1,3-Dichlorobenzene	NR		NR	
1,4-Dichlorobenzene	NR		NR	
Dichlorodifluoromethane	NR		NR	
1,1-Dichloroethane	NR		NR	
1,2-Dichloroethane	NR		NR	
1,1-Dichloroethene	NR		NR	
cis-1,2-Dichloroethene	NR		NR	
1,2-Dichloropropane	NR		NR	
cis-1,3-Dichloropropene	NR		NR	

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URS Corporation

Client Sample ID: NS-GSVP03S-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 004 **Work Order #** HFX661AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	0.0	70 - 130
Toluene-d8	0.0	70 - 130
4-Bromofluorobenzene	0.0	70 - 130

Qualifiers

NR Not reportable.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP03S-0705 RE

GC/MS Volatiles

Lot-Sample # H5G210136 - 004 RE **Work Order #** HFX662AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/28/05 **Analysis Date...** 7/29/05
Prep Batch #.....: 5210450
Dilution Factor.: 13.4 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	2.7	ND	12
Ethylbenzene	ND	2.7	ND	12
Trichlorofluoromethane	ND	2.7	ND	15
Hexachlorobutadiene	ND	13	ND	140
Methylene chloride	ND	6.7	ND	23
Benzene	ND	2.7	ND	8.6
Benzyl chloride	ND	2.7	ND	14
Styrene	ND	2.7	ND	11
1,1,2,2-Tetrachloroethane	ND	2.7	ND	18
Toluene	ND	2.7	ND	10
1,2,4-Trichlorobenzene	ND	13	ND	99
1,1,1-Trichloroethane	ND	2.7	ND	15
1,1,2-Trichloroethane	ND	2.7	ND	15
Trichloroethene	ND	2.7	ND	14
1,2,4-Trimethylbenzene	ND	2.7	ND	13
1,3,5-Trimethylbenzene	ND	2.7	ND	13
Vinyl chloride	ND	2.7	ND	6.9
o-Xylene	ND	2.7	ND	12
m-Xylene & p-Xylene	ND	2.7	ND	12
1,2-Dibromoethane (EDB)	ND	2.7	ND	21
Bromomethane	ND	2.7	ND	10
Carbon tetrachloride	ND	2.7	ND	17
Chlorobenzene	ND	2.7	ND	12
Chloroethane	ND	2.7	ND	7.1
Chloroform	ND	2.7	ND	13
Chloromethane	ND	6.7	ND	14
1,2-Dichlorobenzene	ND	2.7	ND	16
1,3-Dichlorobenzene	ND	2.7	ND	16
1,4-Dichlorobenzene	ND	2.7	ND	16
Dichlorodifluoromethane	ND	2.7	ND	13
1,1-Dichloroethane	ND	2.7	ND	11
1,2-Dichloroethane	ND	2.7	ND	11
1,1-Dichloroethene	ND	2.7	ND	11
cis-1,2-Dichloroethene	ND	2.7	ND	11
1,2-Dichloropropane	ND	2.7	ND	12
cis-1,3-Dichloropropene	ND	2.7	ND	12

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URS Corporation

Client Sample ID: NS-GSVP03S-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 004 **Work Order #** HFX662AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	101	70 - 130
Toluene-d8	105	70 - 130
4-Bromofluorobenzene	116	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP031-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 005 Work Order # HFX681AA Matrix.....: AIR

Date Sampled...: 7/18/05 Date Received..: 7/21/05
Prep Date.....: 7/27/05 Analysis Date... 7/27/05
Prep Batch #.....: 5209185
Dilution Factor.: 1.51 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	NR		NR	
Ethylbenzene	NR		NR	
Trichlorofluoromethane	NR		NR	
Hexachlorobutadiene	NR		NR	
Methylene chloride	NR		NR	
Benzene	NR		NR	
Benzyl chloride	NR		NR	
Styrene	NR		NR	
1,1,2,2-Tetrachloroethane	NR		NR	
Toluene	NR		NR	
1,2,4-Trichlorobenzene	NR		NR	
1,1,1-Trichloroethane	NR		NR	
1,1,2-Trichloroethane	NR		NR	
Trichloroethene	NR		NR	
1,2,4-Trimethylbenzene	NR		NR	
1,3,5-Trimethylbenzene	NR		NR	
Vinyl chloride	NR		NR	
o-Xylene	NR		NR	
m-Xylene & p-Xylene	NR		NR	
1,2-Dibromoethane (EDB)	NR		NR	
Bromomethane	NR		NR	
Carbon tetrachloride	NR		NR	
Chlorobenzene	NR		NR	
Chloroethane	NR		NR	
Chloroform	NR		NR	
Chloromethane	NR		NR	
1,2-Dichlorobenzene	NR		NR	
1,3-Dichlorobenzene	NR		NR	
1,4-Dichlorobenzene	NR		NR	
Dichlorodifluoromethane	NR		NR	
1,1-Dichloroethane	NR		NR	
1,2-Dichloroethane	NR		NR	
1,1-Dichloroethene	NR		NR	
cis-1,2-Dichloroethene	NR		NR	
1,2-Dichloropropane	NR		NR	
cis-1,3-Dichloropropene	NR		NR	

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URS Corporation

Client Sample ID: NS-GSVP03I-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 005 **Work Order #** HFX681AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	0.0	70 - 130
Toluene-d8	0.0	70 - 130
4-Bromofluorobenzene	0.0	70 - 130

Qualifiers

NR Not reportable.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

09/20/05

URS Corporation

Client Sample ID: NS-GSVP03I-0705 RE

GC/MS Volatiles

Lot-Sample # H5G210136 - 005 RE **Work Order #** HFX682AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/28/05 **Analysis Date...** 7/29/05
Prep Batch #.....: 5210450
Dilution Factor.: 15.1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	3.0	ND	14
Ethylbenzene	ND	3.0	ND	13
Trichlorofluoromethane	ND	3.0	ND	17
Hexachlorobutadiene	ND	15	ND	160
Methylene chloride	ND	7.6	ND	26
Benzene	ND	3.0	ND	9.6
Benzyl chloride	ND	3.0	ND	16
Styrene	ND	3.0	ND	13
1,1,2,2-Tetrachloroethane	ND	3.0	ND	21
Toluene	ND	3.0	ND	11
1,2,4-Trichlorobenzene	ND	15	ND	110
1,1,1-Trichloroethane	ND	3.0	ND	16
1,1,2-Trichloroethane	ND	3.0	ND	16
Trichloroethene	ND	3.0	ND	16
1,2,4-Trimethylbenzene	ND	3.0	ND	15
1,3,5-Trimethylbenzene	ND	3.0	ND	15
Vinyl chloride	ND	3.0	ND	7.7
o-Xylene	ND	3.0	ND	13
m-Xylene & p-Xylene	ND	3.0	ND	13
1,2-Dibromoethane (EDB)	ND	3.0	ND	23
Bromomethane	ND	3.0	ND	12
Carbon tetrachloride	ND	3.0	ND	19
Chlorobenzene	ND	3.0	ND	14
Chloroethane	ND	3.0	ND	8.0
Chloroform	ND	3.0	ND	15
Chloromethane	ND	7.6	ND	16
1,2-Dichlorobenzene	ND	3.0	ND	18
1,3-Dichlorobenzene	ND	3.0	ND	18
1,4-Dichlorobenzene	ND	3.0	ND	18
Dichlorodifluoromethane	ND	3.0	ND	15
1,1-Dichloroethane	ND	3.0	ND	12
1,2-Dichloroethane	ND	3.0	ND	12
1,1-Dichloroethene	ND	3.0	ND	12
cis-1,2-Dichloroethene	ND	3.0	ND	12
1,2-Dichloropropane	ND	3.0	ND	14
cis-1,3-Dichloropropene	ND	3.0	ND	14

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URS Corporation

Client Sample ID: NS-GSVP031-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 005 **Work Order #** HFX682AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	100	70 - 130
Toluene-d8	106	70 - 130
4-Bromofluorobenzene	111	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP03D-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 006 **Work Order #** HFX7F1AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/27/05 **Analysis Date...** 7/28/05
Prep Batch #.....: 5209185
Dilution Factor.: 1.31 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	NR		NR	
Ethylbenzene	NR		NR	
Trichlorofluoromethane	NR		NR	
Hexachlorobutadiene	NR		NR	
Methylene chloride	NR		NR	
Benzene	NR		NR	
Benzyl chloride	NR		NR	
Styrene	NR		NR	
1,1,2,2-Tetrachloroethane	NR		NR	
Toluene	NR		NR	
1,2,4-Trichlorobenzene	NR		NR	
1,1,1-Trichloroethane	NR		NR	
1,1,2-Trichloroethane	NR		NR	
Trichloroethene	NR		NR	
1,2,4-Trimethylbenzene	NR		NR	
1,3,5-Trimethylbenzene	NR		NR	
Vinyl chloride	NR		NR	
o-Xylene	NR		NR	
m-Xylene & p-Xylene	NR		NR	
1,2-Dibromoethane (EDB)	NR		NR	
Bromomethane	NR		NR	
Carbon tetrachloride	NR		NR	
Chlorobenzene	NR		NR	
Chloroethane	NR		NR	
Chloroform	NR		NR	
Chloromethane	NR		NR	
1,2-Dichlorobenzene	NR		NR	
1,3-Dichlorobenzene	NR		NR	
1,4-Dichlorobenzene	NR		NR	
Dichlorodifluoromethane	NR		NR	
1,1-Dichloroethane	NR		NR	
1,2-Dichloroethane	NR		NR	
1,1-Dichloroethene	NR		NR	
cis-1,2-Dichloroethene	NR		NR	
1,2-Dichloropropane	NR		NR	
cis-1,3-Dichloropropene	NR		NR	

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URS Corporation

Client Sample ID: NS-GSVP03D-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 006 **Work Order #** HFX7F1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	0.0	70 - 130
Toluene-d8	0.0	70 - 130
4-Bromofluorobenzene	0.0	70 - 130

Qualifiers

NR Not reportable.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP03D-0705 RE

GC/MS Volatiles

Lot-Sample # H5G210136 - 006 RE **Work Order #** HFX7F2AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/28/05 **Analysis Date...** 7/29/05
Prep Batch #.....: 5210450
Dilution Factor.: 13.1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	2.6	ND	12
Ethylbenzene	ND	2.6	ND	11
Trichlorofluoromethane	ND	2.6	ND	15
Hexachlorobutadiene	ND	13	ND	140
Methylene chloride	ND	6.6	ND	23
Benzene	**5.6**	**2.6**	**18**	**8.4**
Benzyl chloride	ND	2.6	ND	14
Styrene	ND	2.6	ND	11
1,1,2,2-Tetrachloroethane	ND	2.6	ND	18
Toluene	ND	2.6	ND	9.9
1,2,4-Trichlorobenzene	ND	13	ND	97
1,1,1-Trichloroethane	ND	2.6	ND	14
1,1,2-Trichloroethane	ND	2.6	ND	14
Trichloroethene	ND	2.6	ND	14
1,2,4-Trimethylbenzene	ND	2.6	ND	13
1,3,5-Trimethylbenzene	ND	2.6	ND	13
Vinyl chloride	ND	2.6	ND	6.7
o-Xylene	ND	2.6	ND	11
m-Xylene & p-Xylene	ND	2.6	ND	11
1,2-Dibromoethane (EDB)	ND	2.6	ND	20
Bromomethane	ND	2.6	ND	10
Carbon tetrachloride	ND	2.6	ND	16
Chlorobenzene	ND	2.6	ND	12
Chloroethane	ND	2.6	ND	6.9
Chloroform	ND	2.6	ND	13
Chloromethane	ND	6.6	ND	14
1,2-Dichlorobenzene	ND	2.6	ND	16
1,3-Dichlorobenzene	ND	2.6	ND	16
1,4-Dichlorobenzene	ND	2.6	ND	16
Dichlorodifluoromethane	ND	2.6	ND	13
1,1-Dichloroethane	ND	2.6	ND	11
1,2-Dichloroethane	ND	2.6	ND	11
1,1-Dichloroethene	ND	2.6	ND	10
cis-1,2-Dichloroethene	ND	2.6	ND	10
1,2-Dichloropropane	ND	2.6	ND	12
cis-1,3-Dichloropropene	ND	2.6	ND	12

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Client Sample ID: NS-GSVP03D-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 006 **Work Order #** HFX7F2AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	101	70 - 130
Toluene-d8	104	70 - 130
4-Bromofluorobenzene	115	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP05-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 007 **Work Order #** HFX7G1AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/27/05 **Analysis Date..** 7/27/05
Prep Batch #.....: 5209185
Dilution Factor.: 1.49 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.30	ND	1.4
Ethylbenzene	ND	0.30	ND	1.3
Trichlorofluoromethane	**0.30**	**0.30**	**1.7**	**1.7**
Hexachlorobutadiene	ND	1.5	ND	16
Methylene chloride	ND	0.74	ND	2.6
Benzene	ND	0.30	ND	0.95
Benzyl chloride	ND	0.30	ND	1.5
Styrene	ND	0.30	ND	1.3
1,1,2,2-Tetrachloroethane	ND	0.30	ND	2.0
Toluene	**0.34**	**0.30**	**1.3**	**1.1**
1,2,4-Trichlorobenzene	ND	1.5	ND	11
1,1,1-Trichloroethane	ND	0.30	ND	1.6
1,1,2-Trichloroethane	ND	0.30	ND	1.6
Trichloroethene	ND	0.30	ND	1.6
1,2,4-Trimethylbenzene	ND	0.30	ND	1.5
1,3,5-Trimethylbenzene	ND	0.30	ND	1.5
Vinyl chloride	ND	0.30	ND	0.76
o-Xylene	ND	0.30	ND	1.3
m-Xylene & p-Xylene	ND	0.30	ND	1.3
1,2-Dibromoethane (EDB)	ND	0.30	ND	2.3
Bromomethane	ND	0.30	ND	1.2
Carbon tetrachloride	ND	0.30	ND	1.9
Chlorobenzene	ND	0.30	ND	1.4
Chloroethane	ND	0.30	ND	0.79
Chloroform	ND	0.30	ND	1.5
Chloromethane	ND	0.74	ND	1.5
1,2-Dichlorobenzene	ND	0.30	ND	1.8
1,3-Dichlorobenzene	ND	0.30	ND	1.8
1,4-Dichlorobenzene	ND	0.30	ND	1.8
Dichlorodifluoromethane	**0.68**	**0.30**	**3.4**	**1.5**
1,1-Dichloroethane	ND	0.30	ND	1.2
1,2-Dichloroethane	ND	0.30	ND	1.2
1,1-Dichloroethene	ND	0.30	ND	1.2
cis-1,2-Dichloroethene	ND	0.30	ND	1.2
1,2-Dichloropropane	ND	0.30	ND	1.4
cis-1,3-Dichloropropene	ND	0.30	ND	1.4

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URS Corporation

Client Sample ID: NS-GSVP05-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 007 **Work Order #** HFX7G1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	96	70 - 130
Toluene-d8	109	70 - 130
4-Bromofluorobenzene	109	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP06-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 008 **Work Order #** HFX7H1AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/26/05 **Analysis Date...** 7/27/05
Prep Batch #.....: 5208131
Dilution Factor.: 1.39 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.28	ND	1.3
Ethylbenzene	ND	0.28	ND	1.2
Trichlorofluoromethane	**0.28**	**0.28**	**1.6**	**1.6**
Hexachlorobutadiene	ND	1.4	ND	15
Methylene chloride	ND	0.70	ND	2.4
Benzene	ND	0.28	ND	0.89
Benzyl chloride	ND	0.28	ND	1.4
Styrene	ND	0.28	ND	1.2
1,1,2,2-Tetrachloroethane	ND	0.28	ND	1.9
Toluene	ND	0.28	ND	1.0
1,2,4-Trichlorobenzene	ND	1.4	ND	10
1,1,1-Trichloroethane	ND	0.28	ND	1.5
1,1,2-Trichloroethane	ND	0.28	ND	1.5
Trichloroethene	ND	0.28	ND	1.5
1,2,4-Trimethylbenzene	ND	0.28	ND	1.4
1,3,5-Trimethylbenzene	ND	0.28	ND	1.4
Vinyl chloride	ND	0.28	ND	0.71
o-Xylene	ND	0.28	ND	1.2
m-Xylene & p-Xylene	ND	0.28	ND	1.2
1,2-Dibromoethane (EDB)	ND	0.28	ND	2.1
Bromomethane	ND	0.28	ND	1.1
Carbon tetrachloride	ND	0.28	ND	1.7
Chlorobenzene	ND	0.28	ND	1.3
Chloroethane	ND	0.28	ND	0.73
Chloroform	ND	0.28	ND	1.4
Chloromethane	ND	0.70	ND	1.4
1,2-Dichlorobenzene	ND	0.28	ND	1.7
1,3-Dichlorobenzene	ND	0.28	ND	1.7
1,4-Dichlorobenzene	ND	0.28	ND	1.7
Dichlorodifluoromethane	**0.54**	**0.28**	**2.7**	**1.4**
1,1-Dichloroethane	ND	0.28	ND	1.1
1,2-Dichloroethane	ND	0.28	ND	1.1
1,1-Dichloroethene	ND	0.28	ND	1.1
cis-1,2-Dichloroethene	ND	0.28	ND	1.1
1,2-Dichloropropane	ND	0.28	ND	1.3
cis-1,3-Dichloropropene	ND	0.28	ND	1.3

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URS Corporation

Client Sample ID: NS-GSVP06-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 008 **Work Order #** HFX7H1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	96	70 - 130
Toluene-d8	112	70 - 130
4-Bromofluorobenzene	111	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP07-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 009 **Work Order #** HFX7J1AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/27/05 **Analysis Date...** 7/28/05
Prep Batch #.....: 5209185
Dilution Factor.: 1.32 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	NR		NR	
Ethylbenzene	NR		NR	
Trichlorofluoromethane	NR		NR	
Hexachlorobutadiene	NR		NR	
Methylene chloride	NR		NR	
Benzene	NR		NR	
Benzyl chloride	NR		NR	
Styrene	NR		NR	
1,1,2,2-Tetrachloroethane	NR		NR	
Toluene	NR		NR	
1,2,4-Trichlorobenzene	NR		NR	
1,1,1-Trichloroethane	NR		NR	
1,1,2-Trichloroethane	NR		NR	
Trichloroethene	NR		NR	
1,2,4-Trimethylbenzene	NR		NR	
1,3,5-Trimethylbenzene	NR		NR	
Vinyl chloride	NR		NR	
o-Xylene	NR		NR	
m-Xylene & p-Xylene	NR		NR	
1,2-Dibromoethane (EDB)	NR		NR	
Bromomethane	NR		NR	
Carbon tetrachloride	NR		NR	
Chlorobenzene	NR		NR	
Chloroethane	NR		NR	
Chloroform	NR		NR	
Chloromethane	NR		NR	
1,2-Dichlorobenzene	NR		NR	
1,3-Dichlorobenzene	NR		NR	
1,4-Dichlorobenzene	NR		NR	
Dichlorodifluoromethane	NR		NR	
1,1-Dichloroethane	NR		NR	
1,2-Dichloroethane	NR		NR	
1,1-Dichloroethene	NR		NR	
cis-1,2-Dichloroethene	NR		NR	
1,2-Dichloropropane	NR		NR	
cis-1,3-Dichloropropene	NR		NR	

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URS Corporation

Client Sample ID: NS-GSVP07-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 009 **Work Order #** HFX7J1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	0.0	70 - 130
Toluene-d8	0.0	70 - 130
4-Bromofluorobenzene	0.0	70 - 130

Qualifiers

NR Not reportable.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP07-0705 RE

GC/MS Volatiles

Lot-Sample # H5G210136 - 009 RE Work Order # HFX7J2AA Matrix.....: AIR

Date Sampled...: 7/18/05 Date Received..: 7/21/05
Prep Date.....: 7/28/05 Analysis Date... 7/29/05
Prep Batch #.....: 5210450
Dilution Factor.: 13.2 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	2.6	ND	12
Ethylbenzene	ND	2.6	ND	11
Trichlorofluoromethane	ND	2.6	ND	15
Hexachlorobutadiene	ND	13	ND	140
Methylene chloride	ND	6.6	ND	23
Benzene	ND	2.6	ND	8.4
Benzyl chloride	ND	2.6	ND	14
Styrene	ND	2.6	ND	11
1,1,2,2-Tetrachloroethane	ND	2.6	ND	18
Toluene	ND	2.6	ND	9.9
1,2,4-Trichlorobenzene	ND	13	ND	98
1,1,1-Trichloroethane	ND	2.6	ND	14
1,1,2-Trichloroethane	ND	2.6	ND	14
Trichloroethene	ND	2.6	ND	14
1,2,4-Trimethylbenzene	ND	2.6	ND	13
1,3,5-Trimethylbenzene	ND	2.6	ND	13
Vinyl chloride	ND	2.6	ND	6.7
o-Xylene	ND	2.6	ND	11
m-Xylene & p-Xylene	ND	2.6	ND	11
1,2-Dibromoethane (EDB)	ND	2.6	ND	20
Bromomethane	ND	2.6	ND	10
Carbon tetrachloride	ND	2.6	ND	17
Chlorobenzene	ND	2.6	ND	12
Chloroethane	ND	2.6	ND	7.0
Chloroform	ND	2.6	ND	13
Chloromethane	ND	6.6	ND	14
1,2-Dichlorobenzene	ND	2.6	ND	16
1,3-Dichlorobenzene	ND	2.6	ND	16
1,4-Dichlorobenzene	ND	2.6	ND	16
Dichlorodifluoromethane	ND	2.6	ND	13
1,1-Dichloroethane	ND	2.6	ND	11
1,2-Dichloroethane	ND	2.6	ND	11
1,1-Dichloroethene	ND	2.6	ND	10
cis-1,2-Dichloroethene	ND	2.6	ND	10
1,2-Dichloropropane	ND	2.6	ND	12
cis-1,3-Dichloropropene	ND	2.6	ND	12

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URS Corporation

Client Sample ID: NS-GSVP07-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 009 **Work Order #** HFX7J2AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	97	70 - 130
Toluene-d8	108	70 - 130
4-Bromofluorobenzene	113	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP08-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 010 **Work Order #** HFX7L1AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/26/05 **Analysis Date...** 7/27/05
Prep Batch #.....: 5208131
Dilution Factor.: 1.33 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.27	ND	1.2
Ethylbenzene	**4.5**	**0.27**	**19**	**1.2**
Trichlorofluoromethane	**0.34**	**0.27**	**1.9**	**1.5**
Hexachlorobutadiene	ND	1.3	ND	14
Methylene chloride	ND	0.66	ND	2.3
Benzene	**0.44**	**0.27**	**1.4**	**0.85**
Benzyl chloride	ND	0.27	ND	1.4
Styrene	ND	0.27	ND	1.1
1,1,2,2-Tetrachloroethane	ND	0.27	ND	1.8
Toluene	**0.63** J	**0.27**	**2.4** J	**1.0**
1,2,4-Trichlorobenzene	ND	1.3	ND	9.9
1,1,1-Trichloroethane	ND	0.27	ND	1.5
1,1,2-Trichloroethane	ND	0.27	ND	1.5
Trichloroethene	**0.38**	**0.27**	**2.1**	**1.4**
1,2,4-Trimethylbenzene	**0.39**	**0.27**	**1.9**	**1.3**
1,3,5-Trimethylbenzene	**0.68**	**0.27**	**3.4**	**1.3**
Vinyl chloride	ND	0.27	ND	0.68
o-Xylene	**5.7**	**0.27**	**25**	**1.2**
m-Xylene & p-Xylene	**20**	**0.27**	**86**	**1.2**
1,2-Dibromoethane (EDB)	ND	0.27	ND	2.0
Bromomethane	ND	0.27	ND	1.0
Carbon tetrachloride	ND	0.27	ND	1.7
Chlorobenzene	ND	0.27	ND	1.2
Chloroethane	ND	0.27	ND	0.70
Chloroform	**0.85**	**0.27**	**4.1**	**1.3**
Chloromethane	ND	0.66	ND	1.4
1,2-Dichlorobenzene	ND	0.27	ND	1.6
1,3-Dichlorobenzene	ND	0.27	ND	1.6
1,4-Dichlorobenzene	ND	0.27	ND	1.6
Dichlorodifluoromethane	**0.60**	**0.27**	**3.0**	**1.3**
1,1-Dichloroethane	ND	0.27	ND	1.1
1,2-Dichloroethane	ND	0.27	ND	1.1
1,1-Dichloroethene	ND	0.27	ND	1.1
cis-1,2-Dichloroethene	ND	0.27	ND	1.1
1,2-Dichloropropane	ND UJ	0.27	ND UJ	1.2
cis-1,3-Dichloropropene	ND	0.27	ND	1.2

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URS Corporation

Client Sample ID: NS-GSVP08-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 010 **Work Order #** HFX7L1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	101	70 - 130
Toluene-d8	104	70 - 130
4-Bromofluorobenzene	114	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP09-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 011 **Work Order #** HFX7M1AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/26/05 **Analysis Date...** 7/27/05
Prep Batch #.....: 5208131
Dilution Factor.: 1.34 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.27	ND	1.2
Ethylbenzene	ND	0.27	ND	1.2
Trichlorofluoromethane	**0.32**	**0.27**	**1.8**	**1.5**
Hexachlorobutadiene	ND	1.3	ND	14
Methylene chloride	ND	0.67	ND	2.3
Benzene	ND	0.27	ND	0.86
Benzyl chloride	ND	0.27	ND	1.4
Styrene	ND	0.27	ND	1.1
1,1,2,2-Tetrachloroethane	ND	0.27	ND	1.8
Toluene	ND UJ	0.27	ND UJ	1.0
1,2,4-Trichlorobenzene	ND	1.3	ND	9.9
1,1,1-Trichloroethane	ND	0.27	ND	1.5
1,1,2-Trichloroethane	ND	0.27	ND	1.5
Trichloroethene	ND	0.27	ND	1.4
1,2,4-Trimethylbenzene	ND	0.27	ND	1.3
1,3,5-Trimethylbenzene	ND	0.27	ND	1.3
Vinyl chloride	ND	0.27	ND	0.69
o-Xylene	ND	0.27	ND	1.2
m-Xylene & p-Xylene	ND	0.27	ND	1.2
1,2-Dibromoethane (EDB)	ND	0.27	ND	2.1
Bromomethane	ND	0.27	ND	1.0
Carbon tetrachloride	ND	0.27	ND	1.7
Chlorobenzene	ND	0.27	ND	1.2
Chloroethane	ND	0.27	ND	0.71
Chloroform	**1.3**	**0.27**	**6.3**	**1.3**
Chloromethane	ND	0.67	ND	1.4
1,2-Dichlorobenzene	ND	0.27	ND	1.6
1,3-Dichlorobenzene	ND	0.27	ND	1.6
1,4-Dichlorobenzene	ND	0.27	ND	1.6
Dichlorodifluoromethane	**0.64**	**0.27**	**3.2**	**1.3**
1,1-Dichloroethane	ND	0.27	ND	1.1
1,2-Dichloroethane	ND	0.27	ND	1.1
1,1-Dichloroethene	ND	0.27	ND	1.1
cis-1,2-Dichloroethene	ND	0.27	ND	1.1
1,2-Dichloropropane	ND UJ	0.27	ND UJ	1.2
cis-1,3-Dichloropropene	ND	0.27	ND	1.2

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URS Corporation

Client Sample ID: NS-GSVP09-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 011 **Work Order #** HFX7M1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	100	70 - 130
Toluene-d8	104	70 - 130
4-Bromofluorobenzene	114	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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URS Corporation

Client Sample ID: NS-GSVP10-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 012 **Work Order #** HFX7N1AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/26/05 **Analysis Date...** 7/26/05
Prep Batch #.....: 5208131
Dilution Factor.: 1.3 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.26	ND	1.2
Ethylbenzene	ND	0.26	ND	1.1
Trichlorofluoromethane	**0.37**	**0.26**	**2.1**	**1.5**
Hexachlorobutadiene	ND	1.3	ND	14
Methylene chloride	ND	0.65	ND	2.3
Benzene	ND	0.26	ND	0.83
Benzyl chloride	ND	0.26	ND	1.3
Styrene	ND	0.26	ND	1.1
1,1,2,2-Tetrachloroethane	ND	0.26	ND	1.8
Toluene	**1.2** J	**0.26**	**4.4** J	**0.98**
1,2,4-Trichlorobenzene	ND	1.3	ND	9.6
1,1,1-Trichloroethane	ND	0.26	ND	1.4
1,1,2-Trichloroethane	ND	0.26	ND	1.4
Trichloroethene	ND	0.26	ND	1.4
1,2,4-Trimethylbenzene	ND	0.26	ND	1.3
1,3,5-Trimethylbenzene	ND	0.26	ND	1.3
Vinyl chloride	ND	0.26	ND	0.66
o-Xylene	ND	0.26	ND	1.1
m-Xylene & p-Xylene	**0.34**	**0.26**	**1.5**	**1.1**
1,2-Dibromoethane (EDB)	ND	0.26	ND	2.0
Bromomethane	ND	0.26	ND	1.0
Carbon tetrachloride	ND	0.26	ND	1.6
Chlorobenzene	ND	0.26	ND	1.2
Chloroethane	ND	0.26	ND	0.69
Chloroform	ND	0.26	ND	1.3
Chloromethane	ND	0.65	ND	1.3
1,2-Dichlorobenzene	ND	0.26	ND	1.6
1,3-Dichlorobenzene	ND	0.26	ND	1.6
1,4-Dichlorobenzene	**3.1**	**0.26**	**19**	**1.6**
Dichlorodifluoromethane	**3.7**	**0.26**	**18**	**1.3**
1,1-Dichloroethane	ND	0.26	ND	1.1
1,2-Dichloroethane	ND	0.26	ND	1.1
1,1-Dichloroethene	ND	0.26	ND	1.0
cis-1,2-Dichloroethene	ND	0.26	ND	1.0
1,2-Dichloropropane	ND UJ	0.26	ND UJ	1.2
cis-1,3-Dichloropropene	ND	0.26	ND	1.2

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URS Corporation

Client Sample ID: NS-GSVP10-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 012 **Work Order #** HFX7N1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	99	70 - 130
Toluene-d8	109	70 - 130
4-Bromofluorobenzene	111	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

G9/20/05
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URS Corporation

Client Sample ID: NS-GSDUP01-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 013 **Work Order #** HFX7P1AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/26/05 **Analysis Date...** 7/26/05
Prep Batch #....: 5208131
Dilution Factor.: 1.29 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.26	ND	1.2
Ethylbenzene	ND	0.26	ND	1.1
Trichlorofluoromethane	**0.27**	**0.26**	**1.5**	**1.4**
Hexachlorobutadiene	ND	1.3	ND	14
Methylene chloride	ND	0.64	ND	2.2
Benzene	ND	0.26	ND	0.82
Benzyl chloride	ND	0.26	ND	1.3
Styrene	ND	0.26	ND	1.1
1,1,2,2-Tetrachloroethane	ND	0.26	ND	1.8
Toluene	ND UJ	0.26	ND UJ	0.97
1,2,4-Trichlorobenzene	ND	1.3	ND	9.6
1,1,1-Trichloroethane	ND	0.26	ND	1.4
1,1,2-Trichloroethane	ND	0.26	ND	1.4
Trichloroethene	ND	0.26	ND	1.4
1,2,4-Trimethylbenzene	ND	0.26	ND	1.3
1,3,5-Trimethylbenzene	ND	0.26	ND	1.3
Vinyl chloride	ND	0.26	ND	0.66
o-Xylene	ND	0.26	ND	1.1
m-Xylene & p-Xylene	ND	0.26	ND	1.1
1,2-Dibromoethane (EDB)	ND	0.26	ND	2.0
Bromomethane	ND	0.26	ND	1.0
Carbon tetrachloride	ND	0.26	ND	1.6
Chlorobenzene	ND	0.26	ND	1.2
Chloroethane	ND	0.26	ND	0.68
Chloroform	ND	0.26	ND	1.3
Chloromethane	ND	0.64	ND	1.3
1,2-Dichlorobenzene	ND	0.26	ND	1.6
1,3-Dichlorobenzene	ND	0.26	ND	1.6
1,4-Dichlorobenzene	ND	0.26	ND	1.6
Dichlorodifluoromethane	**0.61**	**0.26**	**3.0**	**1.3**
1,1-Dichloroethane	ND	0.26	ND	1.0
1,2-Dichloroethane	ND	0.26	ND	1.0
1,1-Dichloroethene	ND	0.26	ND	1.0
cis-1,2-Dichloroethene	ND	0.26	ND	1.0
1,2-Dichloropropane	ND UJ	0.26	ND UJ	1.2
cis-1,3-Dichloropropene	ND	0.26	ND	1.2

08/20/05

URS Corporation

Client Sample ID: NS-GSDUP01-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 013 **Work Order #** HFX7P1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	98	70 - 130
Toluene-d8	106	70 - 130
4-Bromofluorobenzene	114	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

09/20/05

URS Corporation

Client Sample ID: NS-GSUPWIND-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 014 **Work Order #** HFX7Q1AA **Matrix.....:** AIR

Date Sampled...: 7/18/05 **Date Received..:** 7/21/05
Prep Date.....: 7/26/05 **Analysis Date...** 7/26/05
Prep Batch #.....: 5208131
Dilution Factor.: 1.66 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.33	ND	1.5
Ethylbenzene	ND	0.33	ND	1.4
Trichlorofluoromethane	ND	0.33	ND	1.9
Hexachlorobutadiene	ND	1.7	ND	18
Methylene chloride	ND	0.83	ND	2.9
Benzene	ND	0.33	ND	1.1
Benzyl chloride	ND	0.33	ND	1.7
Styrene	ND	0.33	ND	1.4
1,1,2,2-Tetrachloroethane	ND	0.33	ND	2.3
Toluene	ND UJ	0.33	ND UJ	1.3
1,2,4-Trichlorobenzene	ND	1.7	ND	12
1,1,1-Trichloroethane	ND	0.33	ND	1.8
1,1,2-Trichloroethane	ND	0.33	ND	1.8
Trichloroethene	ND	0.33	ND	1.8
1,2,4-Trimethylbenzene	ND	0.33	ND	1.6
1,3,5-Trimethylbenzene	ND	0.33	ND	1.6
Vinyl chloride	ND	0.33	ND	0.85
o-Xylene	ND	0.33	ND	1.4
m-Xylene & p-Xylene	ND	0.33	ND	1.4
1,2-Dibromoethane (EDB)	ND	0.33	ND	2.6
Bromomethane	ND	0.33	ND	1.3
Carbon tetrachloride	ND	0.33	ND	2.1
Chlorobenzene	ND	0.33	ND	1.5
Chloroethane	ND	0.33	ND	0.88
Chloroform	ND	0.33	ND	1.6
Chloromethane	**0.89**	**0.83**	**1.8**	**1.7**
1,2-Dichlorobenzene	ND	0.33	ND	2.0
1,3-Dichlorobenzene	ND	0.33	ND	2.0
1,4-Dichlorobenzene	ND	0.33	ND	2.0
Dichlorodifluoromethane	**0.60**	**0.33**	**3.0**	**1.6**
1,1-Dichloroethane	ND	0.33	ND	1.3
1,2-Dichloroethane	ND	0.33	ND	1.3
1,1-Dichloroethene	ND	0.33	ND	1.3
cis-1,2-Dichloroethene	ND	0.33	ND	1.3
1,2-Dichloropropane	ND UJ	0.33	ND UJ	1.5
cis-1,3-Dichloropropene	ND	0.33	ND	1.5

09/20/05

URS Corporation

Client Sample ID: NS-GSUPWIND-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 014 **Work Order #** HFX7Q1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	98	70 - 130
Toluene-d8	105	70 - 130
4-Bromofluorobenzene	109	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

6/9/2005
12

URS Corporation

Client Sample ID: NS-GSINDOOR-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 015 **Work Order #** HFX7T1AA **Matrix.....:** AIR

Date Sampled...: 7/19/05 **Date Received..:** 7/21/05
Prep Date.....: 7/26/05 **Analysis Date...** 7/26/05
Prep Batch #.....: 5208131
Dilution Factor.: 1.33 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.27	ND	1.2
Ethylbenzene	**0.60**	**0.27**	**2.6**	**1.2**
Trichlorofluoromethane	**0.27**	**0.27**	**1.5**	**1.5**
Hexachlorobutadiene	ND	1.3	ND	14
Methylene chloride	ND	0.66	ND	2.3
Benzene	**0.79**	**0.27**	**2.5**	**0.85**
Benzyl chloride	ND	0.27	ND	1.4
Styrene	**0.34**	**0.27**	**1.5**	**1.1**
1,1,2,2-Tetrachloroethane	ND	0.27	ND	1.8
Toluene	**7.7** J	**0.27**	**29** J	**1.0**
1,2,4-Trichlorobenzene	ND	1.3	ND	9.9
1,1,1-Trichloroethane	ND	0.27	ND	1.5
1,1,2-Trichloroethane	ND	0.27	ND	1.5
Trichloroethene	ND	0.27	ND	1.4
1,2,4-Trimethylbenzene	**1.6**	**0.27**	**7.9**	**1.3**
1,3,5-Trimethylbenzene	**0.43**	**0.27**	**2.1**	**1.3**
Vinyl chloride	ND	0.27	ND	0.68
o-Xylene	**0.89**	**0.27**	**3.9**	**1.2**
m-Xylene & p-Xylene	**2.1**	**0.27**	**9.0**	**1.2**
1,2-Dibromoethane (EDB)	ND	0.27	ND	2.0
Bromomethane	ND	0.27	ND	1.0
Carbon tetrachloride	ND	0.27	ND	1.7
Chlorobenzene	ND	0.27	ND	1.2
Chloroethane	ND	0.27	ND	0.70
Chloroform	ND	0.27	ND	1.3
Chloromethane	**0.95**	**0.66**	**2.0**	**1.4**
1,2-Dichlorobenzene	ND	0.27	ND	1.6
1,3-Dichlorobenzene	ND	0.27	ND	1.6
1,4-Dichlorobenzene	**26**	**0.27**	**160**	**1.6**
Dichlorodifluoromethane	**0.82**	**0.27**	**4.1**	**1.3**
1,1-Dichloroethane	ND	0.27	ND	1.1
1,2-Dichloroethane	ND	0.27	ND	1.1
1,1-Dichloroethene	ND	0.27	ND	1.1
cis-1,2-Dichloroethene	ND	0.27	ND	1.1
1,2-Dichloropropane	ND UJ	0.27	ND UJ	1.2
cis-1,3-Dichloropropene	ND	0.27	ND	1.2

09/20/05

URS Corporation

Client Sample ID: NS-GSINDOOR-0705

GC/MS Volatiles

Lot-Sample # H5G210136 - 015 **Work Order #** HFX7T1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	99	70 - 130
Toluene-d8	104	70 - 130
4-Bromofluorobenzene	114	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

09/20/05

ENVIRONMENTAL
Data Services, Inc.

LEAD-210 & CESIUM-137
USEPA Level IV Review

Site: NSP Ashland Project SDG #: L25881

Client: URS Corporation, Milwaukee, Wisconsin Date: September 19, 2005

Laboratory: Teledyne Brown Engineering, Inc. Knoxville, TN Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NSP-SE-C4-1-0605-02	L25881-1	Sediment
2	NSP-SE-C4-1-0605-10	L25881-2	Sediment
3	NSP-SE-C4-1-0605-18	L25881-3	Sediment
4	NSP-SE-C4-1-0605-26	L25881-4	Sediment
5	NSP-SE-C4-1-0605-28	L25881-5	Sediment
6	NSP-SE-C4-1-0605-36	L25881-6	Sediment
7	NSP-SE-C4-1-0605-44	L25881-7	Sediment
8	NSP-SE-C4-1-0605-52	L25881-8	Sediment
9	NSP-SE-C4-1-0605-60	L25881-9	Sediment

The Routine Validation of Gamma Spectroscopy Data, ER-SOP-15.06, 7/20/00, specific method requirements, and professional judgment have been used in evaluating the data in this summary report.

Sample Conditions/Problems - The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data except the following.

Holding Times - All samples were analyzed within the recommended holding time of 6 months.

Calibration - All calibration criteria have been met.

Instrument Checks - Several background checks and calibration checks were performed and all criteria were met.

Sample Duplicate - The sample duplicate exhibited acceptable RPD values.

LCS - The LCS sample exhibited acceptable %R values.

MS/MSD - A MS/MSD sample was not analyzed.

Method Blank - The method blank was non-detect or below the MDC.

Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Quantitation - All results reported below the MDC, including negative results, were qualified as non-detect (U) by the laboratory.

Report of Analysis

07/25/05 15:34

L25881

URS

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C4-1-0605-02** Collect Start: 06/16/2005 16:02 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 0 cm - 2 cm Receive Date: 06/23/2005 % Moisture: 64.93
LIMS Number: L25881-1

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**6.58E-01**	2.36E-01	3.02E-01	pCi/g Dry		3.99	g dry	06/16/05 16:02	07/19/05	100	M	+			
CS-137	2007	7.76E-02	8.55E-02	**1.52E-01**	pCi/g Dry		9.49	g dry	06/16/05 16:02	07/07/05	54601	Sec	U		No	

Sample ID: **NSP-SE-C4-1-0605-10** Collect Start: 06/16/2005 16:10 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 8 cm - 10 cm Receive Date: 06/23/2005 % Moisture: 71.29
LIMS Number: L25881-2

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.80E-01**	1.06E-01	1.54E-01	pCi/g Dry		7.01	g dry	06/16/05 16:10	07/19/05	100	M	+			
CS-137	2007	6.16E-02	7.29E-02	**1.23E-01**	pCi/g Dry		17.04	g dry	06/16/05 16:10	07/11/05	60000	Sec	U		No	

Sample ID: **NSP-SE-C4-1-0605-18** Collect Start: 06/16/2005 16:18 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 16 cm - 18 cm Receive Date: 06/23/2005 % Moisture: 73.09
LIMS Number: L25881-3

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.89E-01**	8.49E-02	1.31E-01	pCi/g Dry		4.08	g dry	06/16/05 16:18	07/21/05	800	M	+			
CS-137	2007	8.15E-02	5.71E-02	**9.88E-02**	pCi/g Dry		12.02	g dry	06/16/05 16:18	07/11/05	60300	Sec	U		No	

09/19/05
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Flag Values
U = Compound/Analyte not detected or less than 3 sigma
+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma specturm
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

07/25/05 15:34

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25881

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: NSP-SE-C4-1-0605-26
Station:
Description: 24 cm - 26 cm
LIMS Number: L25881-4

Collect Start: 06/16/2005 16:26
Collect Stop:
Receive Date: 06/23/2005

Matrix: Sediment/Silt (SS)
Volume:
% Moisture: 57.45

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**3.76E-01**	1.83E-01	2.53E-01	pCi/g Dry		5.14	g dry	06/16/05 16:26	07/19/05	100	M	+			
CS-137	2007	-2.49E-02	7.86E-02	1.29E-01	pCi/g Dry		12.08	g dry	06/16/05 16:26	07/07/05	54841	Sec	U		No	

Sample ID: NSP-SE-C4-1-0605-28
Station:
Description: 26 cm - 28 cm
LIMS Number: L25881-5

Collect Start: 06/16/2005 16:28
Collect Stop:
Receive Date: 06/23/2005

Matrix: Sediment/Silt (SS)
Volume:
% Moisture: 53.28

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	-7.50E-02	1.42E-01	**2.37E-01**	pCi/g Dry		2.41	g dry	06/16/05 16:28	07/21/05	800	M	U			
CS-137	2007	-2.80E-02	1.06E-01	**1.46E-01**	pCi/g Dry		5.1	g dry	06/16/05 16:28	07/07/05	54901	Sec	U		No	

Sample ID: NSP-SE-C4-1-0605-36
Station:
Description: 34 cm - 36 cm
LIMS Number: L25881-6

Collect Start: 06/16/2005 16:36
Collect Stop:
Receive Date: 06/23/2005

Matrix: Sediment/Silt (SS)
Volume:
% Moisture: 23.82

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**2.72E-01**	6.91E-02	7.60E-02	pCi/g Dry		9.38	g dry	06/16/05 16:36	07/19/05	100	M	+			
CS-137	2007	8.91E-03	3.49E-02	**5.62E-02**	pCi/g Dry		32	g dry	06/16/05 16:36	07/07/05	54781	Sec	U		No	

09/19/05

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

07/25/05 15:34

L25881

URS

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C4-1-0605-44** Collect Start: 06/16/2005 16:44 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 42 cm -44 cm Receive Date: 06/23/2005 % Moisture: 20.94
LIMS Number: L25881-7

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.68E-01**	4.99E-02	7.41E-02	pCi/g Dry		9.48	g dry	06/16/05 16:44	07/21/05	800	M	+			
CS-137	2007	2.04E-02	7.38E-02	1.26E-01	pCi/g Dry		60	g dry	06/16/05 16:44	07/11/05	5400	Sec	U		No	

Sample ID: **NSP-SE-C4-1-0605-52** Collect Start: 06/16/2005 16:52 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 50 cm - 52 cm Receive Date: 06/23/2005 % Moisture: 19.51
LIMS Number: L25881-8

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.49E-01**	4.84E-02	7.26E-02	pCi/g Dry		9.74	g dry	06/16/05 16:52	07/21/05	800	M	+			
CS-137	2007	4.38E-03	7.61E-02	1.27E-01	pCi/g Dry		66.57	g dry	06/16/05 16:52	07/11/05	4200	Sec	U		No	

Sample ID: **NSP-SE-C4-1-0605-60** Collect Start: 06/16/2005 17:00 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 58 cm -60 cm Receive Date: 06/23/2005 % Moisture: 20.14
LIMS Number: L25881-9

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.56E-01**	6.35E-02	8.72E-02	pCi/g Dry		9.5	g dry	06/16/05 17:00	07/19/05	100	M	+			
CS-137	2007	-4.11E-02	5.82E-02	7.59E-02	pCi/g Dry		63.11	g dry	06/16/05 17:00	07/11/05	4200	Sec	U		No	

09/19/05

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

ENVIRONMENTAL
Data Services, Inc.

LEAD-210 & CESIUM-137
USEPA Level IV Review

Site: NSP Ashland Project SDG #: L25935

Client: URS Corporation, Milwaukee, Wisconsin Date: September 19, 2005

Laboratory: Teledyne Brown Engineering, Inc. Knoxville, TN Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NSP-SE-C1-1-0605-02	L25935-1	Sediment
2	NSP-SE-C1-1-0605-06	L25935-2	Sediment
3	NSP-SE-C1-1-0605-10	L25935-3	Sediment
4	NSP-SE-C1-1-0605-18	L25935-4	Sediment
5	NSP-SE-C1-1-0605-26	L25935-5	Sediment
6	NSP-SE-C1-1-0605-34	L25935-6	Sediment
7	NSP-SE-C1-1-0605-42	L25935-7	Sediment
8	NSP-SE-C1-1-0605-50	L25935-8	Sediment
9	NSP-SE-C1-1-0605-58	L25935-9	Sediment

The Routine Validation of Gamma Spectroscopy Data, ER-SOP-15.06, 7/20/00, specific method requirements, and professional judgment have been used in evaluating the data in this summary report.

Sample Conditions/Problems - The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data except the following.

Holding Times - All samples were analyzed within the recommended holding time of 6 months.

Calibration - All calibration criteria have been met.

Instrument Checks - Several background checks and calibration checks were performed and all criteria were met.

Sample Duplicate - The sample duplicate exhibited acceptable RPD values.

LCS - The LCS sample exhibited acceptable %R values.

MS/MSD - A MS/MSD sample was not analyzed.

Method Blank - The method blank was non-detect or below the MDC.

Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Quantitation - All results reported below the MDC, including negative results, were qualified as non-detect (U) by the laboratory.

Report of Analysis

07/22/05 13:40

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25935

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: NSP-SE-C1-1-0605-02 | Collect Start: 06/16/2005 17:02 | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: 0 cm - 2 cm | Receive Date: 07/06/2005 | % Moisture: 22.40
LIMS Number: L25935-1

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**4.05E-01**	1.35E-01	1.70E-01	pCi/g Dry		9.96	g dry	06/16/05 17:02	07/19/05	100	M	+			
CS-137	2007	3.81E-04	4.96E-02	8.46E-02	pCi/g Dry		69.74	g dry	06/16/05 17:02	07/12/05	4800	Sec	U		No	

Sample ID: NSP-SE-C1-1-0605-06 | Collect Start: 06/16/2005 17:06 | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: 4 cm - 6 cm | Receive Date: 07/06/2005 | % Moisture: 18.43
LIMS Number: L25935-2

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	7.27E-02	3.47E-02	5.38E-02	pCi/g Dry		9.46	g dry	06/16/05 17:06	07/21/05	800	M	+			
CS-137	2007	1.38E-02	2.21E-02	3.74E-02	pCi/g Dry		65.74	g dry	06/16/05 17:06	07/11/05	55500	Sec	U		No	

Sample ID: NSP-SE-C1-1-0605-10 | Collect Start: 06/16/2005 17:10 | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: 6 cm - 8 cm | Receive Date: 07/06/2005 | % Moisture: 14.22
LIMS Number: L25935-3

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	3.85E-02	3.14E-02	5.00E-02	pCi/g Dry		9.86	g dry	06/16/05 17:10	07/21/05	800	M	U			
CS-137	2007	-5.22E-02	6.63E-02	9.31E-02	pCi/g Dry		71.87	g dry	06/16/05 17:10	07/12/05	4500	Sec	U		No	

09/19/05
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Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. *Peak not identified, but forced activity concentration exceeds MDC and 3 sigma*
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

07/22/05 13:40

L25935

URS

Weldon Bosworth

UR001-3EREG-05

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Sample ID: NSP-SE-C1-1-0605-18
Station:
Description: 16 cm - 18 cm
LIMS Number: L25935-4

Collect Start: 06/16/2005 17:18
Collect Stop:
Receive Date: 07/06/2005

Matrix: Sediment/Silt (SS)
Volume:
% Moisture: 13.83

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	1.23E-01	3.50E-02	5.21E-02	pCi/g Dry		9.99	g dry	06/16/05 17:18	07/21/05	800	M	+		
CS-137	2007	-3.35E-03	1.33E-02	2.18E-02	pCi/g Dry		93.29	g dry	06/16/05 17:18	07/11/05	54600	Sec	U		No

Sample ID: NSP-SE-C1-1-0605-26
Station:
Description: 24 cm - 26 cm
LIMS Number: L25935-5

Collect Start: 06/16/2005 17:26
Collect Stop:
Receive Date: 07/06/2005

Matrix: Sediment/Silt (SS)
Volume:
% Moisture: 13.86

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	9.86E-02	2.71E-02	4.02E-02	pCi/g Dry		9.64	g dry	06/16/05 17:26	07/21/05	800	M	+		
CS-137	2007	3.47E-02	3.49E-02	6.46E-02	pCi/g Dry		61.23	g dry	06/16/05 17:26	07/12/05	6000	Sec	U		No

Sample ID: NSP-SE-C1-1-0605-34
Station:
Description: 32 cm - 34 cm
LIMS Number: L25935-6

Collect Start: 06/16/2005 17:34
Collect Stop:
Receive Date: 07/06/2005

Matrix: Sediment/Silt (SS)
Volume:
% Moisture: 15.29

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	9.69E-02	3.28E-02	4.95E-02	pCi/g Dry		9.7	g dry	06/16/05 17:34	07/21/05	800	M	+		
CS-137	2007	5.07E-03	4.76E-02	7.99E-02	pCi/g Dry		88.9	g dry	06/16/05 17:34	07/12/05	4500	Sec	U		No

09/19/05

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text in [illegible]tes reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

07/22/05 13:40

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25935

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: NSP-SE-C1-1-0605-42 | Collect Start: 06/16/2005 17:42 | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: 40 cm - 42 cm | Receive Date: 07/06/2005 | % Moisture: 14.34
LIMS Number: L25935-7

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	7.75E-02	5.09E-02	**8.01E-02**	pCi/g Dry		9.68	g dry	06/16/05 17:42	07/21/05	800	M	U			
CS-137	2007	-1.53E-02	5.49E-02	**8.38E-02**	pCi/g Dry		91.79	g dry	06/16/05 17:42	07/12/05	4200	Sec	U		No	

Sample ID: NSP-SE-C1-1-0605-50 | Collect Start: 06/16/2005 17:50 | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: 48 cm - 50 CM | Receive Date: 07/06/2005 | % Moisture: 18.32
LIMS Number: L25935-8

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.29E-01**	4.37E-02	6.59E-02	pCi/g Dry		9.96	g dry	06/16/05 17:50	07/21/05	800	M	+			
CS-137	2007	-1.88E-02	6.08E-02	**9.65E-02**	pCi/g Dry		83.59	g dry	06/16/05 17:50	07/12/05	4200	Sec	U		No	

Sample ID: NSP-SE-C1-1-0605-58 | Collect Start: 06/16/2005 17:58 | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: 56 cm - 58 cm | Receive Date: 07/06/2005 | % Moisture: 19.86
LIMS Number: L25935-9

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**2.37E-01**	9.19E-02	1.25E-01	pCi/g Dry		9.37	g dry	06/16/05 17:58	07/19/05	100	M	+			
CS-137	2007	-1.00E-02	5.98E-02	**1.02E-01**	pCi/g Dry		80.97	g dry	06/16/05 17:58	07/12/05	6000	Sec	U		No	

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Flag Values
U = Compound/Analyte not detected or less than 3 sigma
+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

ENVIRONMENTAL
Data Services, Inc.

LEAD-210 & CESIUM-137
USEPA Level IV Review

Site: NSP Ashland Project SDG #: L25936

Client: URS Corporation, Milwaukee, Wisconsin Date: September 19, 2005

Laboratory: Teledyne Brown Engineering, Inc. Knoxville, TN Reviewer: Christine Garvey

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	NSP-SE-C2-0605-02	L25936-1	Sediment
2	NSP-SE-C2-0605-06	L25936-2	Sediment
3	NSP-SE-C2-0605-10	L25936-3	Sediment
4	NSP-SE-C2-0605-12	L25936-4	Sediment
5	NSP-SE-C2-0605-20	L25936-5	Sediment
6	NSP-SE-C2-0605-28	L25936-6	Sediment
7	NSP-SE-C2-0605-36	L25936-7	Sediment
8	NSP-SE-C2-0605-44	L25936-8	Sediment
9	NSP-SE-C2-0605-52	L25936-9	Sediment
10	NSP-SE-C2-0605-60	L25936-10	Sediment

The Routine Validation of Gamma Spectroscopy Data, ER-SOP-15.06, 7/20/00, specific method requirements, and professional judgment have been used in evaluating the data in this summary report.

Sample Conditions/Problems - The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data except the following.

Holding Times - All samples were analyzed within the recommended holding time of 6 months.

Calibration - All calibration criteria have been met.

Instrument Checks - Several background checks and calibration checks were performed and all criteria were met.

Sample Duplicate - The sample duplicate exhibited acceptable RPD values.

LCS - The LCS sample exhibited acceptable %R values.

MS/MSD - A MS/MSD sample was not analyzed.

Method Blank - The method blank was non-detect or below the MDC.

Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Quantitation - All results reported below the MDC, including negative results, were qualified as non-detect (U) by the laboratory.

Report of Analysis

08/01/05 12:27

L25936

URS

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C2-0605-02** Collect Start: 06/16/2005 15:02 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 0 cm - 2 cm Receive Date: 07/06/2005 % Moisture: 69.73
LIMS Number: L25936-1

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**4.16E-01**	2.19E-01	3.07E-01	pCi/g Dry		4.83	g dry	06/16/05 15:02	07/19/05	100	M	+			
CS-137	2007	7.78E-02	6.56E-02	**1.11E-01**	pCi/g Dry		12.16	g dry	06/16/05 15:02	07/07/05	54121	Sec	U		No	

Sample ID: **NSP-SE-C2-0605-06** Collect Start: 06/16/2005 15:06 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 4 cm - 6 cm Receive Date: 07/06/2005 % Moisture: 64.81
LIMS Number: L25936-2

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**4.44E-01**	1.14E-01	1.34E-01	pCi/g Dry		8.61	g dry	06/16/05 15:06	07/19/05	100	M	+			
CS-137	2007	8.62E-03	4.31E-02	**6.82E-02**	pCi/g Dry		20.92	g dry	06/16/05 15:06	07/11/05	57300	Sec	U		No	

Sample ID: **NSP-SE-C2-0605-10** Collect Start: 06/16/2005 15:10 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 8 cm - 10 cm Receive Date: 07/06/2005 % Moisture: 36.22
LIMS Number: L25936-3

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.40E-01**	2.62E-02	3.65E-02	pCi/g Dry		9.91	g dry	06/16/05 15:10	07/27/05	800	M	+			
CS-137	2007	-4.39E-02	4.99E-02	7.27E-02	pCi/g Dry		24.15	g dry	06/16/05 15:10	07/07/05	54781	Sec	U		No	

09/19/05
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Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

08/01/05 12:27

L25936

URS

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C2-0605-12** Collect Start: 06/16/2005 15:12 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 10 cm -12 cm Receive Date: 07/06/2005 % Moisture: 20.56
LIMS Number: L25936-4

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.09E-01**	2.91E-02	4.30E-02	pCi/g Dry		9.62	g dry	06/16/05 15:12	07/27/05	800	M	+			
CS-137	2007	-1.74E-02	2.62E-02	4.22E-02	pCi/g Dry		47.22	g dry	06/16/05 15:12	07/11/05	57001	Sec	U		No	

Sample ID: **NSP-SE-C2-0605-20** Collect Start: 06/16/2005 15:20 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 18 cm - 20 cm Receive Date: 07/06/2005 % Moisture: 17.93
LIMS Number: L25936-5

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.04E-01**	2.38E-02	3.43E-02	pCi/g Dry		9.79	g dry	06/16/05 15:20	07/27/05	800	M	+			
CS-137	2007	3.87E-03	1.75E-02	3.02E-02	pCi/g Dry		49.71	g dry	06/16/05 15:20	07/11/05	55500	Sec	U		No	

Sample ID: **NSP-SE-C2-0605-28** Collect Start: 06/16/2005 15:28 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 26 cm - 28 cm Receive Date: 07/06/2005 % Moisture: 18.53
LIMS Number: L25936-6

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**7.37E-02**	3.56E-02	5.53E-02	pCi/g Dry		9.74	g dry	06/16/05 15:28	07/27/05	800	M	+			
CS-137	2007	-1.90E-02	4.27E-02	6.12E-02	pCi/g Dry		73.15	g dry	06/16/05 15:28	07/12/05	6000	Sec	U		No	

08/19/05
CA

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma specturm
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

08/01/05 12:27

L25936

URS

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C2-0605-36** Collect Start: 06/16/2005 15:36 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 34 cm - 36 cm Receive Date: 07/06/2005 % Moisture: 19.07
LIMS Number: L25936-7

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.46E-01**	2.57E-02	3.47E-02	pCi/g Dry		10	g dry	06/16/05 15:36	07/28/05	800	M	+		
CS-137	2007	-1.76E-02	5.80E-02	**9.26E-02**	pCi/g Dry		86	g dry	06/16/05 15:36	07/12/05	6000	Sec	U		No

Sample ID: **NSP-SE-C2-0605-44** Collect Start: 06/16/2005 15:44 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 42 cm - 44 cm Receive Date: 07/06/2005 % Moisture: 18.49
LIMS Number: L25936-8

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.14E-01**	2.72E-02	3.93E-02	pCi/g Dry		9.78	g dry	06/16/05 15:44	07/27/05	800	M	+		
CS-137	2007	-1.44E-02	4.69E-02	**7.68E-02**	pCi/g Dry		73.23	g dry	06/16/05 15:44	07/12/05	6000	Sec	U		No

Sample ID: **NSP-SE-C2-0605-52** Collect Start: 06/16/2005 15:52 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 50 cm - 52 cm Receive Date: 07/06/2005 % Moisture: 17.96
LIMS Number: L25936-9

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.12E-01**	3.83E-02	5.77E-02	pCi/g Dry		9.8	g dry	06/16/05 15:52	07/27/05	800	M	+		
CS-137	2007	-2.74E-02	5.41E-02	**8.39E-02**	pCi/g Dry		80.77	g dry	06/16/05 15:52	07/12/05	6000	Sec	U		No

08/19/05
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Flag Values
U = Compound/Analyte not detected or less than 3 sigma
+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

08/01/05 12:27

L25936

URS

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Weldon Bosworth

UR001-3EREG-05

Sample ID:	NSP-SE-C2-0605-60	Collect Start:	06/16/2005 16:00	Matrix:	Sediment/Silt (SS)
Station:		Collect Stop:		Volume:	
Description:	58 cm -60 cm	Receive Date:	07/06/2005	% Moisture:	19.35
LIMS Number:	L25936-10				

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.25E-01**	2.95E-02	4.29E-02	pCi/g Dry		9.75	g dry	06/16/05 16:00	07/27/05	800	M	+			
CS-137	2007	-7.94E-03	1.99E-02	3.23E-02	pCi/g Dry		44.5	g dry	06/16/05 16:00	07/07/05	55081	Sec	U		No	

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Flag Values
U = Compound/Analyte not detected or less than 3 sigma
+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma specturm
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Data Assessment Report
Sample Delivery Group 107884
NSP Lakefront Project
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. STL Burlington (Colchester, Vermont) performed the analyses for this project. The parameter group and test method were as follows:

- Total Organic Carbon (TOC) – Lloyd Kahn Method[1]
- Percent Solids[2]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1. Grain size was requested by URS and performed by the laboratory. Sample results were provided, however no assessment was performed by URS.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)
- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria

[1] Methods of Soil Analysis. Part 2. Chemical Methods. Science Society of America Book Series Number 5. American Society of Agronomy, Madison, WI. 1982.
[2] Determination of Total Organic Carbon in Sedimnet. (Lloyd Kahn, USEPA Region II, July 27, 1988).

- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to or replacement for the qualifiers provided by the laboratory. A summary of the data qualifiers applied to the results in this review are shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analysis using the analytical test method listed in Section I.

2. Sample Receipt – Fifteen sediment samples were submitted to the laboratory. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Samples were cooled during shipment and and were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on June 14 and June 15, 2005 and were received by the laboratory on June 17, 2005.

3. Holding Times – The laboratory analyzed most samples within the EPA recommended hold times. Samples NSP-SE-SS-4-0605, NSP-SE-SS-10-0605, NSP-SE-SS-12-0605, NSP-SE-SS-13-0605, and NSP-SE-14-0605 were re-analyzed beyond the routine holding time of 14 days from collection on acceptable sequences. The results were qualified as estimated (J).

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting, dilution factor, units of measure, analytical batch number, and date of the analysis. A "U" qualifier was used for non-detect results.

5. Sample Traceability – The laboratory specified an analytical Batch identification number for all analyses. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – Method blank BLKLK0712A had TOC contamination (556 mg/kg). No qualification was necessary due to associated sample result concentrations being larger than 5x the method blank contamination. The rest of the method blank results were less than the laboratory reporting limits.

7. Laboratory Control Samples (LCSs) – The LCS recoveries were within the laboratory control limits for all the TOC analyses.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – URS did not submit a project sample for MS/MSD analyses.

9. Field Duplicates – Project sample NSP-SE-SQ-DUP01-0605 was submitted as a field duplicate with this delivery group. The field duplicate was taken of project sample NSP-SE-SS-5-0605. The samples had a relative percent difference (RPD) less than 50% and the results were not detected in only one of the two samples; no qualification was required.

10. Laboratory (Method) Duplicates (MDs) – The laboratory did not select a project sample for method duplicate analysis.

11. Field QC Samples – URS did not submit a trip blank or equipment blanks for analysis.

12. Dilutions – No samples required dilutions.

13. Surrogates – Surrogate analysis is not applicable to this method.

14. Internal Standards – Internal standards analyses is not applicable to this method.

15. Electronic Data Deliverables (EDDs) – No electronic deliverables were required to be reviewed for this assessment. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, "Standard Operation Procedure, Acid Volatile Sulfide and Simultaneously Extracted Metals" Memo by STL. May 9, 2005.

URS, 2005, "Standard Operation Procedure, Percent Solids Determination" Memo by STL. July 20, 2004.

URS, 2005, "Standard Operating Procedure, Total Organic Carbon in Soils and Sediment [Llyod-Kahn Method]" Memo by STL. June 30, 2005.

Table 1
Qualifiers for SDG 107884

Sample Identifications	Sample Analyses	Data Qualifiers
NSP-SE-SS-1-0605 (625331)	Lloyd Kahn TOC	• None
NSP-SE-SS-2-0605 (625332)	Lloyd Kahn TOC	• None
NSP-SE-SS-3-0605 (625333)	Lloyd Kahn TOC	• None
NSP-SE-SS-4-0605 (625334)	Lloyd Kahn TOC	• The result was qualified as estimated (J) due to a holding time exceedance.
NSP-SE-SS-5-0605 (625335)	Lloyd Kahn TOC	• None
NSP-SE-SQ-DUP01-0605 (625336) *Field Duplicate of NSP-SE-SS-5-0605*	Lloyd Kahn TOC	• None
NSP-SE-SS-6-0605 (625337)	Lloyd Kahn TOC	• None
NSP-SE-SS-7-0605 (625338)	Lloyd Kahn TOC	• None
NSP-SE-SS-8-0605 (625339)	Lloyd Kahn TOC	• None
NSP-SE-SS-9-0605 (625340)	Lloyd Kahn TOC	• None
NSP-SE-SS-10-0605 (625341)	Lloyd Kahn TOC	• The result was qualified as estimated (J) due to a holding time exceedance.
NSP-SE-SS-11-0605 (625342)	Lloyd Kahn TOC	• None
NSP-SE-SS-12-0605 (625343)	Lloyd Kahn TOC	• The result was qualified as estimated (J) due to a holding time exceedance.
NSP-SE-SS-13-0605 (625344)	Lloyd Kahn TOC	• The result was qualified as estimated (J) due to a holding time exceedance.
NSP-SE-SS-14-0605 (625745)	Lloyd Kahn TOC	• The result was qualified as estimated (J) due to a holding time exceedance.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.

ATTACHMENT 1
(Final Results)

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-1-0605

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 107884

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 625331

Matrix: SEDIMENT

Client: URSCO9

Date Received: 06/17/05

% Solids: 33.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		33.0	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1520	112000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-2-0605

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107884

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 625332

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/17/05

% Solids: 30.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		30.8	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1620	106000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-3-0605

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 107884

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 625333

Matrix: SEDIMENT

Client: URSCO9

Date Received: 06/17/05

% Solids: 53.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		53.2	
IN847	TOC by Lloyd Kahn	07/12/05	BLKLK0712A	mg/Kg	1	940	34800	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-4-0605

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 107884

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 625334

Matrix: SEDIMENT

Client: URSCO9

Date Received: 06/17/05

% Solids: 49.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		49.4	
IN847	TOC by Lloyd Kahn	07/12/05	BLKLK0712A	mg/Kg	1	1010	50900	J

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-5-0605

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 107884

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 625335

Matrix: SEDIMENT

Client: URSCO9

Date Received: 06/17/05

% Solids: 28.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		28.3	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1770	133000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQ-DUP01-0605

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107884

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 625336

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/17/05

% Solids: 28.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		28.1	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1780	133000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-6-0605

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 107884

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 625337

Matrix: SEDIMENT

Client: URSCO9

Date Received: 06/17/05

% Solids: 29.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		29.8	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1680	171000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-7-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625338

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 30.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		30.9	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1620	328000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-8-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625339

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 38.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		38.2	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1310	138000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-9-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625340

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 28.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		28.8	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1740	229000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-10-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625341

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 59.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		59.0	
IN847	TOC by Lloyd Kahn	07/12/05	BLKLK0712A	mg/Kg	1	847	16200	J

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-11-0605

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107884

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 625342

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/17/05

% Solids: 52.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		52.9	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	945	32400	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-12-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625343

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 76.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		76.4	
IN847	TOC by Lloyd Kahn	07/13/05	BLKLK0713A	mg/Kg	1	654	2080	J

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-13-0605

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 107884

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 625344

Matrix: SEDIMENT

Client: URSCO9

Date Received: 06/17/05

% Solids: 72.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		72.3	
IN847	TOC by Lloyd Kahn	07/13/05	BLKLK0713A	mg/Kg	1	692	1810	J

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-14-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625345

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 71.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		71.7	
IN847	TOC by Lloyd Kahn	07/13/05	BLKLK0713A	mg/Kg	1	697	1420	J

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Data Assessment Report
Sample Delivery Group 107937
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. STL – Colchester performed the analyses for this project. The parameter group and test method were as follows:

- Acid Volatile Sulfide and Simultaneously Extracted Metals (AVS/SEM)[1]
- Total Organic Carbon (TOC) – Lloyd Kahn Method[2]
- Percent Solids[3]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1. Grain size was requested by URS and performed by the laboratory. Sample results were provided, however no assessment was performed by URS.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)
- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits

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[1] Draft Analytical Method for Determination of Acid Volatile Sulfide in Sediment. (H.E. Allen et al., EPA-821-R-91-100, August 1991).
[2] Methods of Soil Analysis. Part 2. Chemical Methods. Science Society of America Book Series Number 5. American Society of Agronomy, Madison, WI. 1982.
[3] Mult-Media, Multi-Concentration SOW for Organic Analytical Service, USEPA CLP OLM04.2/4.3.

- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analysis using the analytical test method listed in Section I.

2. Sample Receipt – Twenty-eight sediment samples were submitted to the laboratory. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Samples were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on June 16, 17, 18, and 19, 2005 and received by the laboratory on June 21, 2005.

3. Holding Times – The laboratory analyzed all samples within the EPA recommended hold times.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting, dilution factor, units of measure, analytical batch number, and date of the analysis. A "U" qualifier was used for non-detect results. A "B" qualifier was used for SEM analyses to indicate a result was below the laboratory reporting limit. URS revised all "B" qualifiers for inorganics to "J" to indicate estimated data. Results where QC criteria were not met were qualified as estimated (J or UJ) by URS.

5. Sample Traceability – The laboratory specified an analytical Batch identification number for all analyses. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The method blank results for TOC and ASV were less than the laboratory reporting limits. In the SEM blank (PBLK1), nickel was detected at 0.015 µmole/g. The result for nickel in sample NSPSE-SQT9-0605-C was revised to non-detect (U). The rest of the SEM results were less than the laboratory reporting limit; no qualification was required.

7. Laboratory Control Samples (LCSs) – The LCS recoveries were within the laboratory control limits for all the TOC analyses. The LCS %R for mercury was below laboratory control limits. All mercury results were qualified as estimated (UJ).

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – URS did not submit a project sample for MS/MSD analysis. The laboratory did not select a project sample for MS/MSD analyses.

9. Laboratory (Method) Duplicates (MDs) – The laboratory did not select a project sample for method duplicate analysis.

10. Field Duplicates – Sample NSPSE-SQDUP-0605 was submitted as a field duplicate of NSP-SESQT1-0605-C. The RPD was less than review criteria (50%). No results were required to be qualified.

11. Field QC Samples – URS did not submit a trip blank or equipment blanks for analysis.

12. Dilutions – No samples required dilutions. Thirteen samples (NSPSE-C5-1-0605-20-28, NSPSE-C5-1-0605-52-60, NSPSE-C1-1-0605-0-8, NSPSE-C1-1-0605-52-60, NSPSE-C3-1-0605-52-60, NSPSE-C6-1B-0605-25-33, NSPSE-C6-1B-0605-52-60, NSPSE-5QDUP-0605, NSPSE-C2-1-0605-52-60, NSPSE-C2-10-0605-10-18, NSPSE-C4-1-0606-52-60, NSPSE-SQT1-0605-A, NSPSE-SQT1-0605-E) had percent solid results less than 75%. The results were corrected for percent moisture.

During the TOC analysis, samples NSPSE-SQT2-0605-B, NSPSE-SQT2-0605-E, NSPSE-SQT2-0605-C, NSPSE-SQT2-0605-A, and NSPSE-SQT2-0605-D yielded area counts in at least one replicate that exceeded the area count of the highest calibration standard. However, as the TOC analysis is not amendable to dilution, the results from these analyses are formally presented. The results were not amendable to dilution because the small size of sample weighed. When the area count in the sample is above the area of the high standard, there is no opportunity to weigh less sample. The results were not required to be qualified.

13. Contract Required Detection Limits (CRDL) – The CRDL had inorganic results that were within laboratory control limits (50-150 percent) for SEM.

14. Interference Check Sample (ICS) – The ICS had inorganic results that were within laboratory control limits (80-120 percent) for SEM.

15. Serial Dilution – The laboratory used project sample NSPSE-SQT9-0605-C for serial dilution analysis of SEM. All results for SEM were within control limits (10 percent).

16. Surrogates – Surrogate analysis is not applicable to this method.

17. Internal Standards – Internal standards analysis is not applicable to this method.

18. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, "Standard Operation Procedure, Acid Volatile Sulfide and Simultaneously Extracted Metals" Memo by STL. May 9, 2005.

URS, 2005, "Standard Operation Procedure, Percent Solids Determination" Memo by STL. July 20, 2004.

URS, 2005, "Standard Operating Procedure, Total Organic Carbon in Soils and Sediment [Llyod-Kahn Method]" Memo by STL. June 30, 2005.

Table 1
Qualifiers for SDG 107937

Sample Identifications	Sample Analyses	Data Qualifiers
NSPSE-C5-1-0605-20-28 (625715)	Lloyd Kahn TOC	• None
NSPSE-C5-0605-52-60 (625716)	Lloyd Kahn TOC	• None

Table 1
Qualifiers for SDG 107937

Sample Identifications	Sample Analyses	Data Qualifiers
NSPSE-C1-1-0605-0-8 (625717)	Lloyd Kahn TOC	• None
NSPSE-C1-1-0605-52-60 (625718)	Lloyd Kahn TOC	• None
NSPSE-C3-1-0605-18-26 (625719)	Lloyd Kahn TOC	• None
NSPSE-C3-1-0605-52-60 (625720)	Lloyd Kahn	• None
NSPSE-C6-1B-0605-25-33 (625721)	Lloyd Kahn TOC	• None
NSPSE-C6-1B-0605-52-60 (625722)	Lloyd Kahn TOC	• None
NSPSE-SQT9-0605-E (625723)	Lloyd Kahn TOC	• None
NSPSE-SQT9-0605-C (625724)	Lloyd Kahn TOC	• None
	AVS/SEM	• The result for nickel was revised to non-detect (U) due to method blank contamination. • The result for mercury was qualified as estimated (UJ) due to LCS %R below control limits.
NSPSE-SQT2-0605-B (625725)	Lloyd Kahn TOC	• None
	AVS/SEM	• The result for mercury was qualified as estimated (UJ) due to LCS %R below control limits.
NSPSE-SQT2-0605-E (625726)	Lloyd Kahn TOC	• None
NSPSE-SQT2-0605-C (625727)	Lloyd Kahn TOC	• None
NSPSE-SQDUP-0605 (625728) *Field Duplicate*	Lloyd Kahn TOC	• None
NSPSE-C2-1-0605-52-60 (625729)	Lloyd Kahn TOC	• None
NSPSE-C2-1-0605-10-18 (625730)	Lloyd Kahn TOC	• None
NSPSE-C4-1-0605-26-34 (625731)	Lloyd Kahn TOC	• None
NSPSE-C4-1-0605-52-60 (625732)	Lloyd Kahn TOC	• None
NSPSE-SQT2-0605-A (625733)	Lloyd Kahn TOC	• None
NSPSE-SQT9-0605-B (625734)	Lloyd Kahn TOC	• None
NSPSE-SQT1-0605-B (625735)	Lloyd Kahn TOC	• None
	AVS/SEM	• The result for mercury was qualified as estimated (UJ) due to LCS %R below control limits.
NSPSE-SQT1-0605-D (625736)	Lloyd Kahn TOC	• None
NSPSE-SQT9-0605-A (625737)	Lloyd Kahn TOC	• None

Table 1
Qualifiers for SDG 107937

Sample Identifications	Sample Analyses	Data Qualifiers
NSPSE-SQT9-0605-D (625738)	Lloyd Kahn TOC	• None
NSPSE-SQT1-0605-A (625739)	Lloyd Kahn TOC	• None
NSPSE-SQT1-0605-C (625740)	Lloyd Kahn TOC	• None
NSPSE-SQT2-0605-D (625741)	Lloyd Kahn TOC	• None
NSPSE-SQT1-0605-E (625742)	Lloyd Kahn TOC	• None

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.

ATTACHMENT 1
(Data Summary Sheets)

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C5-1-0605-20-28

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625715

latrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 79.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		79.7	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	627	805	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C5-1-0605-52-60

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625716

latrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 82.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		82.7	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	605	1180	

inted on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C1-1-0605-0-8

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625717

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 81.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		81.4	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	614	2080	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C1-1-0605-52-60

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625718

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 81.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		81.2	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	616	836	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C3-1-0605-18-26

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625719

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 41.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		41.8	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	1200	126000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C3-1-0605-52-60

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625720

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 79.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		79.0	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	633	2160	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSEC6-1B-0605-25-33

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625721

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 84.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		84.1	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	595	1990	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSEC6-1B-0605-52-60

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625722

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 79.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		79.9	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	626	1120	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT9-0605-E

ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625723

latrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 61.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		61.7	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	810	10500	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT9-0605-C

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625724

latrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

; Solids: 45.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	35.4	35.4	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		45.1	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	1110	62000	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT2-0605-B

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625725

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 40.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	38.4	38.4	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		40.6	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1230	385000	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT2-0605-E

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625726

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 41.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		41.9	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1190	282000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT2-0605-C

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625727

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 36.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		36.0	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1390	466000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQDUP-0605

ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625728

latrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 81.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		81.8	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	611	6050	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C2-1-0605-52-60

ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625729

latrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 81.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		81.6	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	613	2830	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C2-1-0605-10-18

ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625730

atrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

Solids: 80.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		80.4	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	622	1980	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C4-1-0605-26-34

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625731

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 50.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		50.1	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	998	5750	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C4-1-0605-52-60

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 625732

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 81.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		81.0	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	617	1430	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT2-0605-A

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625733

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 28.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		28.2	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1770	647000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT9-0605-B

ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625734

latrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

Solids: 55.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		55.9	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	894	8040	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT1-0605-B

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625735

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 73.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	21.5	21.5	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		73.7	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	678	4950	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT1-0605-D

ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625736

latrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 73.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		73.1	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	684	9200	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT9-0605-A

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625737

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 40.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		40.1	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1250	13300	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT9-0605-D

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625738

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 66.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		66.8	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	749	10200	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT1-0605-A

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625739

/latrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 75.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		75.2	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	665	2520	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT1-0605-C

ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625740

latrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

; Solids: 73.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		73.0	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	685	3710	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT2-0605-D

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625741

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 41.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		41.8	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1200	357000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT1-0605-E

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107937

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 625742

Matrix: SEDIMENT
Client: URSCO9
Date Received: 06/21/05

% Solids: 75.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		75.2	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	665	10600	

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AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT9-0605-C

Lab Name: STL BURLINGTON | Contract: 25000

Lab Code: STLVT | Case No.: 25000 | SDG No.: 107937

Matrix: Sediment | Client: URSCO9 | Lab Sample ID: 625724

% Solids: 45.1 | Date Received: 06/21/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0020	07/16/2005	01:04	PBSEM0629A
SW6010B	Copper	0.049	umole/g	B → J		0.024	07/16/2005	01:04	PBSEM0629A
SW6010B	Lead	0.015	umole/g			0.0058	07/16/2005	01:04	PBSEM0629A
SW6010B	Nickel	0.065	umole/g	B → U		0.020	07/16/2005	01:04	PBSEM0629A
SW6010B	Zinc	0.073	umole/g	B → J		0.037	07/16/2005	01:04	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U → UJ		0.0014	07/07/2005	09:50	PBSEMHG0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.1	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT2-0605-B

Lab Name: STL BURLINGTON

Contract: 25000

Lab Code: STLVT

Case No.: 25000

SDG No.: 107937

Matrix: Sediment

Client: URSCO9

Lab Sample ID: 625725

% Solids: 40.6

Date Received: 06/21/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0032	umole/g	B → J		0.0021	07/16/2005	01:12	PBSEM0629A
SW6010B	Copper	0.29	umole/g			0.025	07/16/2005	01:12	PBSEM0629A
SW6010B	Lead	0.046	umole/g			0.0063	07/16/2005	01:12	PBSEM0629A
SW6010B	Nickel	ND	umole/g	U		0.022	07/16/2005	01:12	PBSEM0629A
SW6010B	Zinc	0.36	umole/g			0.040	07/16/2005	01:12	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U → UJ		0.0015	07/07/2005	09:52	PBSEMHG0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.2	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT1-0605-B

Lab Name: STL BURLINGTON

Contract: 25000

Lab Code: STLVT

Case No.: 25000

SDG No.: 107937

Matrix: Sediment

Client: URSCO9

Lab Sample ID: 625735

% Solids: 73.7

Date Received: 06/21/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	01:16	PBSEM0629A
SW6010B	Copper	4.7	umole/g			0.014	07/16/2005	01:16	PBSEM0629A
SW6010B	Lead	0.023	umole/g			0.0036	07/16/2005	01:16	PBSEM0629A
SW6010B	Nickel	1.8	umole/g			0.013	07/16/2005	01:16	PBSEM0629A
SW6010B	Zinc	0.093	umole/g	B → J		0.021	07/16/2005	01:16	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U → UJ		0.00085	07/07/2005	09:54	PBSEMHG0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.67	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

Data Assessment Report
Sample Delivery Groups 107971
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. STL Colchester performed the analyses for this project. The parameter group and test method were as follows:

- Acid Volatile Sulfide and Simultaneously Extracted Metals (AVS/SEM)[1]
- Total Organic Carbon (TOC) – Lloyd Kahn Method[2]
- Percent Solids[3]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The laboratory assigns an environmental test request (ETR) to each day's receipt of samples. The field identification and requested analytical tests for each sample are summarized in Table 1. Grain size analyses were requested for most samples. The results of this analysis were not evaluated for this data assessment.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)
- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability

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[1] Draft Analytical Method for Determination of Acid Volatile Sulfide in Sediment. (H.E. Allen et al., EPA-821-R-91-100, August 1991).
[2] Methods of Soil Analysis. Part 2. Chemical Methods. Science Society of America Book Series Number 5. American Society of Agronomy, Madison, WI. 1982.
[3] Mult-Media, Multi-Concentration SOW for Organic Analytical Service, USEPA CLP OLM04.2/4.3.

- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

2. Sample Receipt – Twenty-two sediment samples were submitted to the laboratory. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Samples were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on June 20, 21, and 22, 2005 and received by the laboratory on June 22 and 23, 2005. SDG 107971, included two ETRs (107971 and 108017). The ETRs were combined into a single SDG, and called the SDG by the same number assigned to the first ETR. These were issued by the laboratory because the field crew relinquished the samples on two different dates.

3. Holding Times – The laboratory analyzed all samples within the EPA recommended hold times.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting, dilution factor, units of measure, analytical batch number, and date of the analysis. A "U" qualifier was used for non-detect results. A "B" qualifier was used for SEM analyses to indicate a result that was below the laboratory reporting limit for SDG 107971.

5. Sample Traceability – The laboratory specified an analytical Batch identification number for all analyses. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The method blank results were less than the laboratory reporting limits for all TOC and AVS/SEM blanks. In the SEM blank (PBLK1), nickel was detected at 0.015 µmole/g. The result for nickel in sample NSPSE-SQT12-0605CREP was revised to non-detect (U) due to method blank contamination. The rest of the samples were greater than 5x the blank contamination or non-detect; no qualification was required.

7. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) were within the laboratory control limits for all the TOC and AVS analyses. The LCS %R for mercury was below laboratory control limits. All mercury results were qualified as estimated (UJ).

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – URS submitted project sample NSPSE-SQT12-0605-C for MS/MSD TOC and AVS/SEM analyses. The %R and relative percent difference (RPD) were within laboratory control limits for TOC and AVS. The %R was below laboratory control limits for mercury. The result for mercury in sample NSPSE-SQT12-0605C was qualified as estimated (UJ).

9. Post-Digestion Spike (PDS) - The laboratory performed PDS analyses of sample NSPSE-SQT12-0605C for SEM. All %R were within laboratory control limits.

10. Laboratory (Method) Duplicates (MDs) – The laboratory selected project sample NSPSE-SQT12-0605C for method duplicate analysis (also called replicate sample). The RPD for TOC and AVS was less than 20%. The result for lead was qualified as estimated (J) because the RPD was greater than 20%.

11. Field Duplicates – Samples NSPSE-SQDUP11-0605 and NSPSE-SQDUP12-0605 were submitted as the field duplicates of samples NSP-SE-SQT12-0605-A and NSP-SE-SQT3-0605-B, respectively. The RPD for nickel and copper in sample NSP-SE-SQDUP12-0605 was greater than review criteria (50%), however data in one sample was estimated by the laboratory. No qualification was required.

12. Field QC Samples – URS did not submit a trip blank or equipment blank for analysis.

13. Dilutions – No samples required dilutions. During the TOC analysis, samples NSPSE-SQT3-0605-D, NSPSE-SQT11-0605-A, NSPSE-SQT11-0605-D, NSPSE-SQT11-0605-E, and NSPSE-SQT4-0605-C yielded area counts in at least one replicate that exceeded the area count of the highest calibration standard. However, as the TOC analysis is not amendable to dilution, the results from these analyses are formally presented. The results were not amendable to dilution because of the small size of sample used (10 mg). When the area count in the sample is above the area of the high standard, there is no opportunity to weigh less sample. The results were qualified as estimated (J).

    Soil samples NSPSE-SQDUP11-0605, NSPSE-SQT12-0605D, NSPSE-SQT12-0605E, NSPSE-SQT3-0605-A, NSPSE-SQT3-0605-B, NSPSE-SQT3-0605-C, NSPSE-SQT3-0605-D, NSPSE-SQT3-0605-E, NSPSE-SQT11-0605-A, NSPSE-SQT11-0605-B, NSPSE-SQT11-0605C, NSPSE-SQT11-0605-D, NSPSE-SQT11-0605-E, NSPSE-SQDUP12-0605, NSPSE-SQT4-0605-A, NSPSE-SQT4-0605-B, NSPSE-SQT4-0605-C, NSPSE-SQT4-0605-D, and NSPSE-SQT4-0605-E had less than 75% solids (greater than 25% moisture). The results were corrected for percent moisture.

14. Contract Required Detection Limits (CRDL) – The CRDL had inorganic results that were within laboratory control limits (50-150 percent) for SEM.

15. Interference Check Sample (ICS) – The ICS had inorganic results that were within laboratory control limits (80-120 percent) for SEM.

16. Serial Dilution – The laboratory used project sample NSP-SE-SQT12-0605-C for serial dilution analysis of SEM. All results for SEM were within control limits (10 percent).

17. Surrogates – Surrogate analysis is not applicable to this method.

18. Internal Standards – Internal standards analysis is not applicable to this method.

19. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, "Standard Operation Procedure, Acid Volatile Sulfide and Simultaneously Extracted Metals" Memo by STL. May 9, 2005.

URS, 2005, "Standard Operation Procedure, Percent Solids Determination" Memo by STL. July 20, 2004.

URS, 2005, "Standard Operating Procedure, Total Organic Carbon in Soils and Sediment [Llyod-Kahn Method]" Memo by STL. June 30, 2005.

Table 1
Qualifiers for SDG 107971

Sample Identifications	Sample Analyses	Data Qualifiers
NSPSE-SQDUP11-0605 (625970) *Field Duplicate*	Lloyd Kahn TOC	▪ None
NSPSE-SQT12-0605A (625971)	Lloyd Kahn TOC	▪ None
NSPSE-SQT12-0605-B (625972)	Lloyd Kahn TOC	▪ None
NSPSE-SQT12-0605-C (625973)	Lloyd Kahn TOC	▪ None
	AVS/SEM	▪ The result for mercury was qualified as estimated (UJ) due to LCS and MS/MSD %R below laboratory control limits. ▪ The result for lead was qualified as estimated (J) because the laboratory duplicate RPD was above control limits.
NSPSE-SQT12-0605-CMS (625973)	Lloyd Kahn TOC	▪ None
	AVS/SEM	▪ The result for mercury was qualified as estimated (UJ) due to LCS %R below laboratory control limits.
NSPSE-SQT12-0605-CREP (625973)	Lloyd Kahn TOC	▪ None
	AVS/SEM	▪ The result for nickel was revised to non-detect (U) due to method blank contamination. ▪ The result for mercury was qualified as estimated (UJ) due to LCS %R below laboratory control limits.
NSPSE-SQT12-0605-D (625974)	Lloyd Kahn TOC	▪ None
NSPSE-SQT12-0605-E (625975)	Lloyd Kahn TOC	▪ None
NSPSE-SQT3-0605-A (626304)	Lloyd Kahn TOC	▪ None
NSPSE-SQT3-0605-B (626305)	Lloyd Kahn TOC	▪ None
	AVS/SEM	▪ The result for mercury was qualified as estimated (UJ) due to LCS %R below laboratory control limits.
NSPSE-SQT3-0605-C (626306)	Lloyd Kahn TOC	▪ None
NSPSE-SQT3-0605-D (626307)	Lloyd Kahn TOC	▪ None
NSPSE-SQT3-0605-E (626308)	Lloyd Kahn TOC	▪ None
NSPSE-SQT11-0605-A (626309)	Lloyd Kahn TOC	▪ None
NSPSE-SQT11-0605-B (626310)	Lloyd Kahn TOC	▪ None
NSPSE-SQT11-0605-C (626311)	Lloyd Kahn TOC	▪ None
NSPSE-SQT11-0605-D (626312)	Lloyd Kahn TOC	▪ None
	AVS/SEM	▪ The result for mercury was qualified as estimated (UJ) due to LCS %R below laboratory control limits.

Table 1
Qualifiers for SDG 107971

Sample Identifications	Sample Analyses	Data Qualifiers
NSPSE-SQT11-0605-D (626313)	Lloyd Kahn TOC	• None
NSPSE-SQDUP12-0605 (626314) *Field Duplicate*	Lloyd Kahn TOC	• None
	AVS/SEM	• The result for mercury was qualified as estimated (UJ) due to LCS %R below laboratory control limits.
NSPSE-SQT4-0605-A (626315)	Lloyd Kahn TOC	• None
NSPSE-SQT4-0605-B (626316)	Lloyd Kahn TOC	• None
NSPSE-SQT4-0605-C (626317)	Lloyd Kahn TOC	• None
NSPSE-SQT4-0605-D (626318)	Lloyd Kahn TOC	• None
NSPSE-SQT4-0605-E (626319)	Lloyd Kahn TOC	• None
	AVS/SEM	• The result for mercury was qualified as estimated (UJ) due to LCS %R below laboratory control limits.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.

ATTACHMENT 1
(Wet Chemistry Sample Report Summary)

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQDUP11-0605

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107971

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 625970

Matrix: SOIL
Client: URSCO9
Date Received: 06/22/05

% Solids: 74.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/11/05	N/A	%	1.0		74.6	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	670	763	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT12-0605A

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 107971

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 625971

Matrix: SOIL

Client: URSCO9

Date Received: 06/22/05

% Solids: 75.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/11/05	N/A	%	1.0		75.5	
IN847	TOC by Lloyd Kahn	08/30/05	BLKLK0630A	mg/Kg	1	662	908	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT12-0605B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625972

Matrix: SOIL | Client: URSCO9 | Date Received: 06/22/05

% Solids: 76.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/11/05	N/A	%	1.0		76.6	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	653	860	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT12-0605C

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107971

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 625973

Matrix: SOIL
Client: URSCO9
Date Received: 06/22/05

% Solids: 78.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	20.0	20.0	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		78.9	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	634	872	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT12-0605D

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107971

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 625974

Matrix: SOIL
Client: URSCO9
Date Received: 06/22/05

% Solids: 72.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/11/05	N/A	%	1.0		72.3	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	692	782	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT12-0605E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625975

Matrix: SOIL | Client: URSCO9 | Date Received: 06/22/05

% Solids: 72.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/11/05	N/A	%	1.0		72.3	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	692	921	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT3-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626304

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 21.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		21.1	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	2370	435000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT3-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626305

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 42.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	36.3	90.8	
IN623	Solids, Percent	06/30/05	N/A	%	1.0		42.1	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1190	177000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT3-0605-C

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 107971

Lab Code: STLVT **Case No.:** 25000 **Lab Sample ID:** 626306

Matrix: SOIL **Client:** URSCO9 **Date Received:** 06/23/05

% Solids: 30.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		30.7	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1630	382000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT3-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626307

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 32.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		32.6	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1530	364000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT3-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626308

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 42.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		42.3	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1180	114000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT11-0605-A

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107971

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626309

Matrix: SOIL
Client: URSCO9
Date Received: 06/23/05

% Solids: 37.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		37.3	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1340	499000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT11-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626310

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 26.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		26.5	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1890	511000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT11-0605-C

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 107971

Lab Code: STLVT **Case No.:** 25000 **Lab Sample ID:** 626311

Matrix: SOIL **Client:** URSCO9 **Date Received:** 06/23/05

% Solids: 21.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		21.4	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	2340	456000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT11-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626312

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 26.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	57.9	57.9	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		26.0	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1920	631000	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT11-0605-E

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107971

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626313

Matrix: SOIL
Client: URSCO9
Date Received: 06/23/05

% Solids: 31.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		31.2	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1600	416000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQDUP12-0605

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107971

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626314

Matrix: SOIL
Client: URSCO9
Date Received: 06/23/05

% Solids: 50.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	31.4	70.7	
IN623	Solids, Percent	06/30/05	N/A	%	1.0		50.0	
IN647	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1000	191000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT4-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626315

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 33.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		33.1	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1510	391000	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT4-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626316

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 34.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		34.9	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1430	461000	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT4-0605-C

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 107971

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626317

Matrix: SOIL

Client: URSCO9

Date Received: 06/23/05

% Solids: 34.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		34.2	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1460	520000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT4-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626318

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 33.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		33.8	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1480	474000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT4-0605-E

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107971

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626319

Matrix: SOIL
Client: URSCO9
Date Received: 06/23/05

% Solids: 37.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	41.6	41.6	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		37.3	
IN647	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1340	433000	

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AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT12-0605CREP

Lab Name: STL BURLINGTON

Contract: 25000

Lab Code: STLVT

Case No.: 25000

SDG No.: 107971

Matrix: Soil

Client: URSCO9

Lab Sample ID: 625973DP

% Solids: 78.9

Date Received: 06/22/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0011	07/16/2005	00:30	PBSEM062905A
SW6010B	Copper	0.015	umole/g	B → J		0.013	07/16/2005	00:30	PBSEM062905A
SW6010B	Lead	0.0051	umole/g			0.0033	07/16/2005	00:30	PBSEM062905A
SW6010B	Nickel	0.013	umole/g	B → U		0.012	07/16/2005	00:30	PBSEM062905A
SW6010B	Zinc	0.037	umole/g	B → J		0.020	07/16/2005	00:30	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U → UJ		0.00077	07/07/2005	09:58	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.62	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

NSPSE-SQT12-0605C

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107971

Matrix: Soil Client: URSCO9 Lab Sample ID: 625973

% Solids: 78.9 Date Received: 06/22/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	00:17	PBSEM062905A
SW6010B	Copper	0.016	umole/g	B → J		0.013	07/16/2005	00:17	PBSEM062905A
SW6010B	Lead	0.0072	umole/g		J	0.0033	07/16/2005	00:17	PBSEM062905A
SW6010B	Nickel	ND	umole/g	U		0.012	07/16/2005	00:17	PBSEM062905A
SW6010B	Zinc	0.037	umole/g	B → J		0.020	07/16/2005	00:17	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U → UJ		0.00080	07/07/2005	09:56	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.62	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT3-0605-B

Lab Name: STL BURLINGTON | Contract: 25000

Lab Code: STLVT | Case No.: 25000 | SDG No.: 107971

Matrix: Soil | Client: URSCO9 | Lab Sample ID: 626305

% Solids: 42.1 | Date Received: 06/23/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0020	07/16/2005	00:47	PBSEM062905A
SW6010B	Copper	0.069	umole/g	B → J		0.024	07/16/2005	00:47	PBSEM062905A
SW6010B	Lead	0.074	umole/g			0.0058	07/16/2005	00:47	PBSEM062905A
SW6010B	Nickel	0.022	umole/g	B → J		0.020	07/16/2005	00:47	PBSEM062905A
SW6010B	Zinc	0.36	umole/g			0.037	07/16/2005	00:47	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U → UJ		0.0014	07/07/2005	10:06	PBHGSEM062905
AVS	Acid Volatile Sulfide	2.8	umole/g			1.1	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	0.19							

*SEM is user defined to include the sum of the concentration of each metal reported with this case.

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT11-0605-D

Lab Name: STL BURLINGTON

Contract: 25000

Lab Code: STLVT

Case No.: 25000

SDG No.: 107971

Matrix: Soil

Client: URSCO9

Lab Sample ID: 626312

% Solids: 26.0

Date Received: 06/23/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0057	umole/g	B	J	0.0032	07/16/2005	00:51	PBSEM062905A
SW6010B	Copper	0.12	umole/g	B	J	0.038	07/16/2005	00:51	PBSEM062905A
SW6010B	Lead	0.038	umole/g			0.0097	07/16/2005	00:51	PBSEM062905A
SW6010B	Nickel	ND	umole/g	U		0.034	07/16/2005	00:51	PBSEM062905A
SW6010B	Zinc	0.33	umole/g			0.060	07/16/2005	00:51	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U	UJ	0.0022	07/07/2005	10:08	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.8	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQDUP12-0605

Lab Name: STL BURLINGTON | Contract: 25000

Lab Code: STLVT | Case No.: 25000 | SDG No.: 107971

Matrix: Soil | Client: URSCO9 | Lab Sample ID: 626314

% Solids: 50.0 | Date Received: 06/23/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0018	07/16/2005	00:55	PBSEM062905A
SW6010B	Copper	0.29	umole/g			0.020	07/16/2005	00:55	PBSEM062905A
SW6010B	Lead	0.067	umole/g			0.0053	07/16/2005	00:55	PBSEM062905A
SW6010B	Nickel	0.42	umole/g			0.019	07/16/2005	00:55	PBSEM062905A
SW6010B	Zinc	0.30	umole/g			0.032	07/16/2005	00:55	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U → UJ		0.0012	07/07/2005	10:10	PBHGSEM062905
AVS	Acid Volatile Sulfide	2.2	umole/g			0.98	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	0.50							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT4-0605-E

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107971

Matrix: Soil Client: URSCO9 Lab Sample ID: 626319

% Solids: 37.3 Date Received: 06/23/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0061	umole/g	B → J		0.0023	07/16/2005	00:59	PBSEM062905A
SW6010B	Copper	0.71	umole/g			0.028	07/16/2005	00:59	PBSEM062905A
SW6010B	Lead	0.065	umole/g			0.0068	07/16/2005	00:59	PBSEM062905A
SW6010B	Nickel	0.039	umole/g	B → J		0.024	07/16/2005	00:59	PBSEM062905A
SW6010B	Zinc	0.74	umole/g			0.043	07/16/2005	00:59	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U → UJ		0.0016	07/07/2005	10:12	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.3	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMI

PBLI

Lab Name: STL BURLINGTON

Contract: 25000

Lab Code: STLVT

Case No.: 25000

SDG No.: 10/9/1

Matrix: SOIL

Client: URSCO9

Lab Sample ID: PBLK1

% Solids:

Date Received:

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.00089	07/16/2005	00:04	PBSEM062905A
SW6010B	Copper	ND	umole/g	U		0.011	07/16/2005	00:04	PBSEM062905A
SW6010B	Lead	ND	umole/g	U		0.0027	07/16/2005	00:04	PBSEM062905A
SW6010B	Nickel	0.015	umole/g	B → J		0.0094	07/16/2005	00:04	PBSEM062905A
SW6010B	Zinc	ND	umole/g	U		0.016	07/16/2005	00:04	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.00060	07/07/2005	09:46	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.25	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

Data Assessment Report
Sample Delivery Group 108036
NSP Lakefront Project
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project in Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. STL Colchester (Vermont) performed the analyses for this project. The parameter group and test method were as follows:

- Acid Volatile Sulfide and Simultaneously Extracted Metals (AVS/SEM)[1]
- Total Organic Carbon (TOC) – Lloyd Kahn Method[2]
- Percent Solids[3]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1. Grain size was requested by URS and performed by the laboratory. Sample results were provided, however no assessment was performed by URS.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)
- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits

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[1] Draft Analytical Method for Determination of Acid Volatile Sulfide in Sediment. (H.E. Allen et al., EPA-821-R-91-100, August 1991).
[2] Determination of Total Organic Carbon in Sedimnet. (Lloyd Kahn, USEPA Region II, July 27, 1988).
[3] Mult-Media, Multi-Concentration SOW for Organic Analytical Service, USEPA CLP OLM04.2/4.3.

- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to or replacement for the qualifiers provided by the laboratory. A summary of the data qualifiers applied to the results in this review are shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analysis using the analytical test method listed in Section I.

2. Sample Receipt – Seventeen sediment samples were submitted to the laboratory. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Samples were cooled during shipment and and were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on June 22 and 23, 2005 and were received by the laboratory on June 24, 2005.

3. Holding Times – The laboratory analyzed most samples within the EPA recommended hold times. Samples NSPSE-SQT6-0605-A, NSPSE-SQT6-06050-B, NSPSE-SQT6-0605-C, and NSPSE-SQT6-0605-D were analyzed beyond the routine holding time of 14 days from collection on acceptable sequences. The results were qualified as estimated (J).

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting, dilution factor, units of measure, analytical batch number, and date of the analysis. A "U" qualifier was used for non-detect results. During the TOC analysis, sample NSP-SE-SQT5-0605-D yielded area counts in two replicates that exceeded the area count of the highest calibration standard. However, as the TOC analysis is not amendable to dilution, the result from the analysis is formally presented. The result was not amendable to dilution because of the small size of sample used (10 mg). When the area count in the sample is above the area of the high standard, there is no opportunity to weigh less sample. The result was qualified as estimated (J).

5. Sample Traceability – The laboratory specified an analytical Batch identification number for all analyses. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The method blank results were less than the laboratory reporting limits for TOC and AVS. In the SEM blank (PBLK1), nickel was detected at 0.015 µmole/g. The results for NSPSE-SQT5-0605-A and NSPSE-SQDUP13-0605 were revised to non-detect (U) because the sample results were less than 5x the method blank contamination for nickel. The rest of the results were non-detect or greater than 5x the method blank contamination for nickel; no qualification was required.

7. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) were within the laboratory control limits for all the TOC analyses. The LCS %R was below laboratory control limits for mercury. All mercury results were qualified as estimated (UJ). All remaining AVS/SEM %R were within laboratory control limits.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – URS submitted project sample NSPSE-SQT7-0605-D for MS/MSD analyses. The laboratory selected project sample NSPSE-SQT5-0605-C for MS/MSD analyses. The %R were within laboratory control limits for both MS/MSD samples. The relative percent difference (RPD) for sample NSPSE-SQT5-0605-C was within laboratory control limits, however the RPD for TOC was outside laboratory control limits for sample NSPSE-SQT7-0605-D. The result for TOC in sample NSPSE-SQT7-0605-D were qualified as estimated (J).

9. Field Duplicates – Project samples NSPSE-SQDUP13-0605 and NSPSE-SQDUP14-0605 were submitted as the field duplicates with this delivery group. The field duplicates were associated with project samples NSP-SE-SQT5-0605-A and NSP-SE-SQT7-0605-C, respectively. Samples NSPSE-SQDUP13-0605 and NSP-SE-SQT5-0605-A had a RPD less than 50%; no qualification was required. Samples NSPSE-SQDUP14-0605 and NSP-SE-SQT5-0605-A had a RPD that was outside the control limits for TOC. The results for NSPSE-SQDUP14-0605 and NSP-SE-SQT5-0605-A were qualified as estimated (J). Field personnel collected a field duplicate sample (NSP-SE-SQDUP14-0605) for SDG 108036; however, it was reported in SDG 108059.

10. Laboratory (Method) Duplicates (MDs) – The laboratory selected project sample NSPSE-SQT7-0605-D for MD analysis (also called replicate sample). The laboratory selected project sample NSPSE-SQT7-0605-C for MD analysis. The RPD for TOC in sample NSPSE-SQT7-0605-C was less than 20%. The RPD for TOC and percent solids in sample NSPSE-SQT7-0605-D was less than 20%. No qualification was required.

11. Field QC Samples – URS did not submit a trip blank or equipment blanks for analysis.

12. Dilutions – No samples required dilutions. Soil samples (NSPSE-SQT6-0605-A, NSPSE-SQT6-0605-B, NSPSE-SQT6-0605-C, NSP-SE-SQT8-0605-D, NSP-SE-SQT8-0605-E, NSPSE-SQT5-0605-A, NSPSE-SQT5-0605-B, NSPSE-SQT5-0605-C, NSPSE-SQT5-0605-D, NSPSE-SQT5-0605-E, NSPSE-SQDUP13-0605, NSPSE-SQDUP14-0705, NSPSE-SQT7-0605-C, and NSPSE-SQT7-0605-D) contained less than 75% solids (greater than 25% moisture). The results were corrected for percent moisture per project requirements.

13. Contract Required Detection Limits (CRDL) – The CRDL had inorganic results that were within laboratory control limits (50-150 percent).

14. Interference Check Sample (ICS) – The ICS had inorganic results that were within laboratory control limits (80-120 percent).

15. Serial Dilution – The laboratory used project sample NSPSE-SQT6-0605-D for serial dilution analysis. The result for lead exceeded the control limit (10 percent). The result for lead in sample NSPSE-SQT6-0605-D was qualified as estimated (J).

16. Surrogates – Surrogate analysis is not applicable to this method.

17. Internal Standards – Internal standards analyses are not applicable to this method.

18. Electronic Data Deliverables (EDDs) – No electronic deliverables were required to be reviewed for this assessment. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, "Standard Operation Procedure, Acid Volatile Sulfide and Simultaneously Extracted Metals" Memo by STL. May 9, 2005.

Table 1
Qualifiers for SDG 108036

Sample Identifications	Sample Analyses	Data Qualifiers
NSP-SE-SQT6-0605-A (626497)	Lloyd Kahn TOC	• The result was qualified as estimated (J) due to a holding time exceedance.
NSP-SE-SQT6-0605-B (626498)	Lloyd Kahn TOC	• The result was qualified as estimated (J) due to a holding time exceedance.
NSP-SE-SQT6-0605-C (626499)	Lloyd Kahn TOC	• The result was qualified as estimated (J) due to a holding time exceedance.
NSP-SE-SQT6-0605-D (626500)	Lloyd Kahn TOC	• The result was qualified as estimated (J) due to a holding time exceedance.
	AVS/SEM	• The result for mercury was qualified as estimated (UJ) due to LCS %R below control limits. • The result for lead was qualified as estimated (J) due to serial dilution RPD above control limits.
NSP-SE-SQT6-0605-E (626501)	Lloyd Kahn TOC	• None
NSP-SE-SQT5-0605-A (626502)	Lloyd Kahn TOC	• The result was qualified as estimated (J) because the field duplicate RPD was outside control limits.
	AVS/SEM	• The result for nickel was revised to non-detect (U) due to method blank contamination. • The result for mercury was qualified as estimated (UJ) due to LCS %R below control limits.
NSP-SE-SQT5-0605-B (626503)	Lloyd Kahn TOC	• None
NSP-SE-SQT5-0605-C (626504)	Lloyd Kahn TOC	• None
NSP-SE-SQT5-0605-D (626505)	Lloyd Kahn TOC	• The result was qualified as estimated (J) due to areas above calibration standard.
NSP-SE-SQT5-0605-E (626506)	Lloyd Kahn TOC	• None
NSP-SE-SQDUP13-0605 (626507) *Field Duplicate*	Lloyd Kahn TOC	• None
	AVS/SEM	• The result for nickel was revised to non-detect (U) due to method blank contamination. • The result for mercury was qualified as estimated (UJ) due to LCS %R below control limits.
NSP-SE-SQDUP14-0605 (626508/626656) *Field Duplicate*	Lloyd Kahn TOC	• The result for was qualified as estimated (J) because the field duplicate RPD was outside control limits.
	AVS/SEM	• The result for mercury was qualified as estimated (UJ) due to LCS %R below control limits.
NSP-SE-SQT7-0605-A (626509)	Lloyd Kahn TOC	• None
NSP-SE-SQT7-0605-B (626510)	Lloyd Kahn TOC	• None

Table 1
Qualifiers for SDG 108036

Sample Identifications	Sample Analyses	Data Qualifiers
NSP-SE-SQT7-0605-C (626511)	Lloyd Kahn TOC	▪ None
	AVS/SEM	▪ The result for mercury was qualified as estimated (UJ) due to LCS %R below control limits.
NSP-SE-SQT7-0605-D (626512)	Lloyd Kahn TOC	▪ The result for was qualified as estimated (J) due to MS/MSD RPD outside of laboratory control limits.
NSP-SE-SQT7-0605-DMS (626512)	Lloyd Kahn TOC	▪ None
NSP-SE-SQT7-0605-DREP (626512)	Lloyd Kahn TOC	▪ None
NSP-SE-SQT7-0605-E (626513)	Lloyd Kahn TOC	▪ None

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.

ATTACHMENT 1
(Data Summary Sheets)

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT6-0605-A

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626497

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 31.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		31.2	
IN847	TOC by Lloyd Kahn	07/07/05	BLKLK0707A	mg/Kg	1	1600	98100	J

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT6-0605-B

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626498

latrix: SOIL
Client: URSCO9
Date Received: 06/24/05

% Solids: 35.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		35.3	
IN847	TOC by Lloyd Kahn	07/07/05	BLKLK0707A	mg/Kg	1	1420	82900	J

rinted on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT6-0605-C

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626499

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 38.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		38.3	
IN847	TOC by Lloyd Kahn	07/07/05	BLKLK0707A	mg/Kg	1	1310	73500	J

rinted on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT6-0605-D

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626500

latrix: SOIL
Client: URSCO9
Date Received: 06/24/05

% Solids: 40.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	38.5	38.5	U
IN623	Solids, Percent	07/05/05	N/A	%	1.0		40.7	
IN847	TOC by Lloyd Kahn	07/07/05	BLKLK0707A	mg/Kg	1	1230	56100	J

rinted on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT6-0605-E

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626501

Matrix: SOIL
Client: URSCO9
Date Received: 06/24/05

% Solids: 36.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		36.2	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	1	1380	84700	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-A

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626502

Matrix: SOIL
Client: URSCO9
Date Received: 06/24/05

% Solids: 32.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	48.1	48.1	U
IN623	Solids, Percent	07/05/05	N/A	%	1.0		32.2	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	1	1550	468000	J

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT5-0605-B

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 108036

Lab Code: STLVT **Case No.:** 25000 **Lab Sample ID:** 626503

Matrix: SOIL **Client:** URSCO9 **Date Received:** 06/24/05

% Solids: 27.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		27.2	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	1	1840	238000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-C

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626504

Matrix: SOIL
Client: URSCO9
Date Received: 06/24/05

% Solids: 31.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		31.5	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	1	1590	174000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-D

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626505

Matrix: SOIL
Client: URSCO9
Date Received: 06/24/05

% Solids: 29.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		29.4	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	1700	489000	J

inted on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-E

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626506

Matrix: SOIL
Client: URSCO9
Date Received: 06/24/05

% Solids: 27.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		27.1	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	1850	363000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQDUP13-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626507

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 28.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	55.0	55.0	U
IN623	Solids, Percent	07/05/05	N/A	%	1.0		28.8	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	1740	439000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQDUP14-0605

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626508

Matrix: SOIL
Client: URSCO9
Date Received: 06/24/05

% Solids: 70.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		70.1	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	713	6150	J

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT7-0605-A

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626509

Matrix: SOIL
Client: URSCO9
Date Received: 06/24/05

% Solids: 76.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		76.8	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	651	1050	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT7-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626510

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 79.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		79.2	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	631	3180	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT7-0605-C

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626511

Matrix: SOIL
Client: URSCO9
Date Received: 06/24/05

% Solids: 71.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	21.6	21.6	U
IN623	Solids, Percent	07/05/05	N/A	%	1.0		71.6	
IN647	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	698	3680	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT7-0605-D

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108036

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626512

latrix: SOIL
Client: URSCO9
Date Received: 06/24/05

; Solids: 74.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		74.2	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	674	2190	J

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSPSE-SQT7-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626513

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 81.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/06/05	N/A	%	1.0		81.6	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	613	1660	

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT6-0605-D

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108036

Matrix: Soil Client: URSCO9 Lab Sample ID: 626500

% Solids: 40.7 Date Received: 06/24/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0043	umole/g	B →	J	0.0021	07/16/2005	01:21	PBSEM062905A
SW6010B	Copper	0.76	umole/g			0.025	07/16/2005	01:21	PBSEM062905A
SW6010B	Lead	0.095	umole/g		J	0.0063	07/16/2005	01:21	PBSEM062905A
SW6010B	Nickel	0.092	umole/g	B →	J	0.022	07/16/2005	01:21	PBSEM062905A
SW6010B	Zinc	0.57	umole/g			0.040	07/16/2005	01:21	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U	UJ	0.0015	07/07/2005	10:14	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.2	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT5-0605-A

Lab Name: STL BURLINGTON | Contract: 25000

Lab Code: STLVT | Case No.: 25000 | SDG No.: 108036

Matrix: Soil | Client: URSCO9 | Lab Sample ID: 626502

% Solids: 32.2 | Date Received: 06/24/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0068	umole/g	B →	J	0.0027	07/16/2005	01:38	PBSEM062905A
SW6010B	Copper	0.60	umole/g			0.031	07/16/2005	01:38	PBSEM062905A
SW6010B	Lead	0.10	umole/g			0.0082	07/16/2005	01:38	PBSEM062905A
SW6010B	Nickel	0.036	umole/g	B →	U	0.029	07/16/2005	01:38	PBSEM062905A
SW6010B	Zinc	0.98	umole/g			0.049	07/16/2005	01:38	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U →	UJ	0.0019	07/07/2005	10:16	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.5	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQDUP13-0605

Lab Name: STL BURLINGTON

Contract: 25000

Lab Code: STLVT

Case No.: 25000

SDG No.: 108036

Matrix: Soil

Client: URSCO9

Lab Sample ID: 626507

% Solids: 28.8

Date Received: 06/24/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0081	umole/g	B →	J	0.0030	07/16/2005	01:42	PBSEM062905A
SW6010B	Copper	0.66	umole/g			0.036	07/16/2005	01:42	PBSEM062905A
SW6010B	Lead	0.11	umole/g			0.0092	07/16/2005	01:42	PBSEM062905A
SW6010B	Nickel	0.043	umole/g	B →	U	0.032	07/16/2005	01:42	PBSEM062905A
SW6010B	Zinc	1.0	umole/g			0.057	07/16/2005	01:42	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U	UJ	0.0021	07/07/2005	10:18	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.7	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT7-0605-C

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108036

Matrix: Soil Client: URSCO9 Lab Sample ID: 626511

% Solids: 71.6 Date Received: 06/24/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	01:46	PBSEM062905A
SW6010B	Copper	0.054	umole/g	B → J		0.014	07/16/2005	01:46	PBSEM062905A
SW6010B	Lead	0.016	umole/g			0.0036	07/16/2005	01:46	PBSEM062905A
SW6010B	Nickel	ND	umole/g	U		0.013	07/16/2005	01:46	PBSEM062905A
SW6010B	Zinc	0.11	umole/g			0.023	07/16/2005	01:46	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U → UJ		0.00085	07/07/2005	10:20	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.67	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

*SEM is user defined to include the sum of the concentration of each metal reported with this case.

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

PBLK1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108036

Matrix: SOIL Client: URSCO9 Lab Sample ID: PBLK1

% Solids: Date Received:

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.00089	07/16/2005	00:04	PBSEM062905A
SW6010B	Copper	ND	umole/g	U		0.011	07/16/2005	00:04	PBSEM062905A
SW6010B	Lead	ND	umole/g	U		0.0027	07/16/2005	00:04	PBSEM062905A
SW6010B	Nickel	0.015	umole/g	B → J		0.0094	07/16/2005	00:04	PBSEM062905A
SW6010B	Zinc	ND	umole/g	U		0.016	07/16/2005	00:04	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.00060	07/07/2005	09:46	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.25	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQDUP14-0605

Lab Name: STL BURLINGTON

Contract: 25000

Lab Code: STLVT

Case No.: 25000

SDG No.: 108059

Matrix: Soil

Client: URSCO9

Lab Sample ID: 626656

% Solids: 69.7

Date Received: 06/28/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	02:03	PBSEM0629A
SW6010B	Copper	0.055	umole/g	B → J		0.015	07/16/2005	02:03	PBSEM0629A
SW6010B	Lead	0.014	umole/g			0.0037	07/16/2005	02:03	PBSEM0629A
SW6010B	Nickel	ND	umole/g	U		0.013	07/16/2005	02:03	PBSEM0629A
SW6010B	Zinc	0.12	umole/g			0.023	07/16/2005	02:03	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U → UJ		0.00085	07/07/2005	10:30	PBHGW0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.69	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

Data Assessment Report
Sample Delivery Group 108055
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. Severn Trent Laboratory (STL), Colchester (Vermont) performed the analyses for this project. The parameter group and test method were as follows:

- Polycyclic Aromatic Hydrocarbons (PAHs) – by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM) SW846[1] Method 8270C*
- Lipids[2]
- Percent Solids[3]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)

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[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996. Revised April 1998.

* Additionally, the laboratory used the *SOP for the Determination of Organics in Fish.* SOP IK: ASBP100, Mod1.0 October 1990; ASB E100, Mod1.0, October 1990, USEPA Region 4 Science and Ecosystem Support Division, Analytical Support Branch.

[2] *Determination of Percent Lipid in Tissue.* Geochemical and Environmental Research Group, Texas A&M University College Station, TX. NOAA Technical Memorandum NOS ORCA 130 National Status and Trends Program for Marine Environmental Quality Sampling and Analytical Methods of the National Status and Trends Program Mussel Watch Project: 1993-1996 Update

[3] Mult-Media, Multi-Concentration SOW for Organic Analytical Service, USEPA CLP OLM04.2/4.3.

- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I and by using the Standard Compound List (Table1) from SOP.No.LM-MS-SIMPAH.

2. Sample Receipt – Seventeen tissue samples were submitted to the laboratory. The laboratory prepped an equipment blank for this package. One duplicate (SVITREUM-F-1-DUP1) was included and analyzed by the laboratory in the report that was not listed on the COCs. Samples SVITREUM-W-1-1 and SVITREUM-W-1-3 were included in the laboratory sample ID list; however, they were not analyzed and no results were reported for these two samples. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Samples were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on April 20 and June 15 and 16, 2005. The laboratory received the samples on June 18, 2005.

3. Holding Times – The laboratory received the frozen samples past the recommended hold time. Therefore, the laboratory extracted all of the samples outside of the recommended hold time; therefore, all of the results were qualified as estimated (J/UJ).

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting, dilution factor, units of measure, analytical batch number, and date of the analysis. A "U" qualifier was used for non-detect results. A "D" qualifier was used by the laboratory to indicate concentrations identified from analysis of the sample at a secondary dilution. A "J" qualifier was used by the laboratory to indicate estimated data below the reporting limit but above the method detection limit (MDL). To provide consistency for reporting all tissue samples submitted for this project, the "NS-TA" prefix was removed from all sample IDs to facilitate the use of commercial data processing systems by the laboratory. Additionally, the laboratory indicated that the results were reported on a "wet-weight basis".

5. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. For example, the laboratory ID 626614 corresponds to sample NS-TA-SVITREUM-F-1-1. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The method blank results were all non-detect (U). No qualification of data was required. It should be noted that an aliquot of method blank SBLKR8 that was not put through GPC cleanup, was analyzed and has been reported as SBLK8R to provide distinction between the two analyses of the same method blank.

7. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) were within the laboratory control limits.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – The field staff listed sample SVITREUM-F-1-6 to be analyzed for MS/MSD analyses. The %R results for benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(ghi)perylene were above the laboratory acceptance limits. The associated results were qualified as estimated (J/UJ). The relative percent differences (RPD) were within acceptable control limit.

9. Laboratory (Method) Duplicates (MDs) – The laboratory selected project sample SVITREUM-F-1-6 for method duplicate analysis (also called replicate sample). The RPD for percent solids and lipids were less than 20%. No qualification was required.

10. Field Duplicates – Sample SVITREUM-F-1-DUP1 was submitted as a field duplicate by the laboratory. Results were within review criteria (50%). No qualification of data was required.

11. Field QC Samples – URS did not submit an equipment blank with this SDG; however, the laboratory prepared sample EB1 as an equipment blank for PAH analysis. All of the results were non-detect (U). No qualification of data was required. (*Note- the equipment blank generated by the laboratory is related to the homogenization of the fish. Equipment is cleaned between each sample. The laboratory creates a blank to show there was no carry-over)

12. Dilutions –Sample SVITREUM-F-1-2 yielded the presence of target compounds at concentrations above calibration range. The sample was re-analyzed using a dilution with acceptable results. Both sets of data have been reported. In the original set of results, the compound 1-methylnaphthalene and acenaphthene were flagged "E" by the laboratory due to results that exceeded the instrument's calibration range. The compounds that were flagged "E" were discarded ("Z" qualified) and the diluted results (re-analysis) were kept in the report and qualified as listed in Table 1.

13. Surrogates – All of the surrogate %Rs were within the laboratory limits. It should be noted that the original sample SVITREUM-W-3-3 yielded surrogate recoveries below the control limits. An aliquot of this sample had not been subjected to GPC cleanup was analyzed and yielded acceptable surrogate recoveries.

14. Internal Standards – Samples SVITREUM-F-1-DUP1, SVITREUM-F-1-2, and SVITREUM-F-3-6DL (dilution) yielded elevated responses for internal standard benzo(a)pyrene. The samples were re-analyzed with similar results, indicating matrix effect. Both sets of data have been reported. The affected compounds have been qualified as estimated (J/UJ) and results from the original samples kept in the database. The re-analysis results were discarded ("Z"qualified).

15. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1 and 2.

V. REFERENCES

URS, 2005, "Standard Operation Procedure, Extractable PAH compounds by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM)" Memo by STL. December 19, 2003. Revision 3.

Table 1
Qualifiers for SDG 108055

Sample Identifications*	Sample Analyses	Data Qualifiers
NS-TA-SVITREUM-F-1-1 (626614)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUMF11RE (626614R1) *Re-Extraction*	PAHs Lipids	•The results were discarded ("Z"qualified); the original results were retained.
NS-TA-SVITREUM-F-1-DUP1 (626615) *Field Duplicate*	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The results for fluoranthene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(e)pyrene, benzo(a)pyrene, perylene, indeno(123-cd)pyrene, dibenz(ah)anthracene, and benzo(ghi)perylene were qualified as estimated (J/UJ) due to internal standards.
NS-TA-SVITREUM-F-1-2 (626616)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The results for fluoranthene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(e)pyrene, benzo(a)pyrene, perylene, indeno(123-cd)pyrene, dibenz(ah)anthracene, and benzo(ghi)perylene were qualified as estimated (J/UJ) due to internal standards.
NS-TA-SVITREUMF12RE (626616R1) *Re-Extraction*	PAHs Lipids	•The results were discarded ("Z"qualified); the original results were retained due to IS exceedances.
NS-TA-SVITREUM-F-1-3 (626617)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUM-F-1-4 (626618)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUM-F-1-5 (626619)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUM-F-1-6 (626620)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The results for benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(ghi)perylene were qualified as estimated (UJ) due to high MS/MSD %Rs.
NS-TA-SVITREUM-W-1-1 (626621)	PAHs Lipids	•Not analyzed
NS-TA-SVITREUM-W-1-DUP1 (626622) *Field Duplicate*	PAHs Lipids	•Not analyzed
NS-TA-SVITREUM-W-1-2 (626623)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUM-W-1-3 (626624)	PAHs Lipids	•Not analyzed
NS-TA-SVITREUM-W-1-4 (626625)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREM-W-3-3 (626626)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.

Table 1
Qualifiers for SDG 108055

Sample Identifications*	Sample Analyses	Data Qualifiers
NS-TA-SVITREUM-W-3-4 (626627)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUM-F-3-1 (626628)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUM-F-3-2 (626629)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUM-F-3-3 (626630)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUM-F-3-4 (626631)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUMF34RE (626631R1) *Re-Extraction*	PAHs Lipids	•The results were discarded ("Z"qualified); the original results were retained.
NS-TA-SVITREUM-F-3-5 (626632)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREUMF35RE (626632R1) *Re-Extraction*	PAHs Lipids	•The results were discarded ("Z"qualified); the original results were retained.
NS-TA-SVITREUM-F-3-6 (626633)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The results for 1-methylnaphthalene and acenaphthene were discarded ("Z"qualified) due to calibration exceedances.
		•The results for fluoranthene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(e)pyrene, benzo(a)pyrene, perylene, indeno(123-cd)pyrene, dibenz(ah)anthracene, and benzo(ghi)perylene were discarded ("Z"qualified) due to internal standards. The diluted analysis results were kept in the database.
NS-TA-SVITREUMF36DL (626633D1) *Diluted Analysis*	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The results for 1-methylnaphthalene and acenaphthene were kept in the database.
		•The results for fluoranthene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(e)pyrene, benzo(a)pyrene, perylene, indeno(123-cd)pyrene, dibenz(ah)anthracene, and benzo(ghi)perylene were qualified as estimated (J/UJ) due to internal standards.
EB1 (626634) *Equipment Blank*	Solid	•The results were qualified as estimated (J/UJ) due to hold time.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.
*Actual field IDs; laboratory –shortened field IDs appear in hard copy report.

ATTACHMENT 1
(Data Summary Sheets)

SEVERN TRENT STL

SAT PAH

SAMPLE DATA SUMMARY PACKAGE

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF11

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626614

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626614

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/21/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.0	
91-57-6	2-Methylnaphthalene	3.7	
90-12-0	1-Methylnaphthalene	2.4	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

U

past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

ITREUMF1DUP1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626615

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626615

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3---------	Naphthalene	2.9		J
91-57-6---------	2-Methylnaphthalene	4.3		
90-12-0---------	1-Methylnaphthalene	2.9		
92-52-4---------	Biphenyl	2.0	U	W
581-42-0--------	2,6 Dimethylnaphthalene	2.0	U	Past HT
208-96-8--------	Acenaphthylene	2.0	U	
83-32-9---------	Acenaphthene	2.0	U	
2245-38-7-------	2,3,5 Trimethylnaphthalene	2.0	U	
86-73-7---------	Fluorene	2.0	U	
85-01-8---------	Phenanthrene	2.0	U	
120-12-7--------	Anthracene	2.0	U	
832-69-9--------	1-Methylphenanthrene	2.0	U	
206-44-0--------	Fluoranthene	2.0	U	IS out; Past HT
129-00-0--------	Pyrene	2.0	U	W — Past HT
56-55-3---------	Benzo(a)anthracene	2.0	U	IS out; Past HT
218-01-9--------	Chrysene	2.0	U	IS out; Past HT
205-99-2--------	Benzo(b)fluoranthene	2.0	U	IS out; Past HT
207-08-9--------	Benzo(k)fluoranthene	2.0	U	IS out; Past HT
192-97-2--------	Benzo(e)pyrene	2.0	U	IS out; Past HT
50-32-8---------	Benzo(a)pyrene	2.0	U	IS out; Past HT
198-55-0--------	Perylene	2.0	U	IS out; Past HT
193-39-5--------	Indeno(1,2,3-cd)pyrene	2.0	U	IS out; Past HT
53-70-3---------	Dibenz(a,h)anthracene	2.0	U	IS out; Past HT
191-24-2--------	Benzo(g,h,i)perylene	2.0	U	IS out; Past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF11RE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626614R1

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626614

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.1	
91-57-6	2-Methylnaphthalene	4.1	
90-12-0	1-Methylnaphthalene	2.7	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

all Z - Discard

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF12

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626616

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626616

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/21/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.2	
91-57-6	2-Methylnaphthalene	3.9	
90-12-0	1-Methylnaphthalene	2.6	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - past HT

UJ - past HT

UJ ISOUT; past HT

UJ - past HT

all UJ - ISOUT; past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF12RE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626616R1

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626616

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.1	
91-57-6	2-Methylnaphthalene	3.9	
90-12-0	1-Methylnaphthalene	2.6	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

all Z - Discard

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

SVITREUM-F13

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626617

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626617

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.5	
91-57-6	2-Methylnaphthalene	3.0	
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J
J
J
past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

SVITREUM-F14

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626618

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626618

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.1	
91-57-6	2-Methylnaphthalene	2.3	
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.5	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.3	
129-00-0	Pyrene	2.6	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

SVITREUM-F15

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626619

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626619

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	2.6		J Pmt Hr
91-57-6	2-Methylnaphthalene	3.5		
90-12-0	1-Methylnaphthalene	2.2		
92-52-4	Biphenyl	2.0	U	UJ
581-42-0	2,6 Dimethylnaphthalene	2.0	U	
208-96-8	Acenaphthylene	2.0	U	
83-32-9	Acenaphthene	2.0	U	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	
86-73-7	Fluorene	2.0	U	
85-01-8	Phenanthrene	2.0	U	
120-12-7	Anthracene	2.0	U	
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.0	U	
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF16

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626620

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626620

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	2.1		J
91-57-6	2-Methylnaphthalene	2.9		J
90-12-0	1-Methylnaphthalene	2.0	U	UJ
92-52-4	Biphenyl	2.0	U	
581-42-0	2,6 Dimethylnaphthalene	2.0	U	
208-96-8	Acenaphthylene	2.0	U	
83-32-9	Acenaphthene	2.0	U	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	
86-73-7	Fluorene	2.0	U	past HT
85-01-8	Phenanthrene	2.0	U	
120-12-7	Anthracene	2.0	U	
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.0	U	
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	UJ - %R MS/MSD High, past HT
207-08-9	Benzo(k)fluoranthene	2.0	U	UJ
192-97-2	Benzo(e)pyrene	2.0	U	past HT
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	all UJ → %R MS/MSD High + past HT
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

SVITREUM-W12

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626623

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626623

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	
91-57-6	2-Methylnaphthalene	2.2	
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

PAH HT

VJ

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

SVITREUM-W14

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626625

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626625

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 07/27/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.0	
91-57-6	2-Methylnaphthalene	4.3	
90-12-0	1-Methylnaphthalene	2.6	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.2	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J post HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

SVITREUM-W33

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626626

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626626P

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 4000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.9	
91-57-6	2-Methylnaphthalene	2.0	J
90-12-0	1-Methylnaphthalene	3.1	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.6	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J positive

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

SVITREUM-W34

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626627

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626627

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	54	
91-57-6	2-Methylnaphthalene	31	
90-12-0	1-Methylnaphthalene	61	
92-52-4	Biphenyl	5.6	
581-42-0	2,6 Dimethylnaphthalene	17	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	47	
2245-38-7	2,3,5 Trimethylnaphthalene	3.1	
86-73-7	Fluorene	15	
85-01-8	Phenanthrene	14	
120-12-7	Anthracene	3.1	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.3	
129-00-0	Pyrene	3.1	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J · post HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

SVITREUM-F31

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626628

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626628

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	22	
91-57-6	2-Methylnaphthalene	17	
90-12-0	1-Methylnaphthalene	31	
92-52-4	Biphenyl	3.3	
581-42-0	2,6 Dimethylnaphthalene	12	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	30	
2245-38-7	2,3,5 Trimethylnaphthalene	2.5	
86-73-7	Fluorene	11	
85-01-8	Phenanthrene	11	
120-12-7	Anthracene	2.6	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.2	
129-00-0	Pyrene	2.2	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

SVITREUM-F32

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626629

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626629

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	53	
91-57-6	2-Methylnaphthalene	30	
90-12-0	1-Methylnaphthalene	49	
92-52-4	Biphenyl	4.6	
581-42-0	2,6 Dimethylnaphthalene	14	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	37	
2245-38-7	2,3,5 Trimethylnaphthalene	3.1	
86-73-7	Fluorene	13	
85-01-8	Phenanthrene	14	
120-12-7	Anthracene	3.6	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	5.3	
129-00-0	Pyrene	3.8	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J Peak HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

SVITREUM-F33

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626630

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626630

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	51	
91-57-6	2-Methylnaphthalene	28	
90-12-0	1-Methylnaphthalene	47	
92-52-4	Biphenyl	4.7	
581-42-0	2,6 Dimethylnaphthalene	13	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	35	
2245-38-7	2,3,5 Trimethylnaphthalene	2.4	
86-73-7	Fluorene	12	
85-01-8	Phenanthrene	13	
120-12-7	Anthracene	3.1	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.3	
129-00-0	Pyrene	2.6	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

PAH

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF34

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626631

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626631

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q		
91-20-3	Naphthalene	19		J	part HT
91-57-6	2-Methylnaphthalene	15			
90-12-0	1-Methylnaphthalene	27			
92-52-4	Biphenyl	2.8			
581-42-0	2,6 Dimethylnaphthalene	8.4			
208-96-8	Acenaphthylene	2.0	U	UJ	
83-32-9	Acenaphthene	25		J	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	UJ	
86-73-7	Fluorene	8.3		J	
85-01-8	Phenanthrene	8.5			
120-12-7	Anthracene	2.0			
832-69-9	1-Methylphenanthrene	2.0	U	UJ	
206-44-0	Fluoranthene	3.1			
129-00-0	Pyrene	2.9			
56-55-3	Benzo(a)anthracene	2.0	U	UJ	
218-01-9	Chrysene	2.0	U		
205-99-2	Benzo(b)fluoranthene	2.0	U		
207-08-9	Benzo(k)fluoranthene	2.0	U		
192-97-2	Benzo(e)pyrene	2.0	U		
50-32-8	Benzo(a)pyrene	2.0	U		
198-55-0	Perylene	2.0	U		
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U		
53-70-3	Dibenz(a,h)anthracene	2.0	U		
191-24-2	Benzo(g,h,i)perylene	2.0	U		

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF34RE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626631R1

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626631

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	19	
91-57-6	2-Methylnaphthalene	14	
90-12-0	1-Methylnaphthalene	28	
92-52-4	Biphenyl	2.6	
581-42-0	2,6 Dimethylnaphthalene	8.9	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	26	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	7.9	
85-01-8	Phenanthrene	9.1	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.5	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

all Z - Discard

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF35

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626632

Sample wt/vol: 40.1 (g/mL) G Lab File ID: 626632

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted:07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	22	
91-57-6	2-Methylnaphthalene	14	
90-12-0	1-Methylnaphthalene	17	
92-52-4	Biphenyl	2.1	
581-42-0	2,6 Dimethylnaphthalene	5.8	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	16	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	6.6	
85-01-8	Phenanthrene	8.7	
120-12-7	Anthracene	2.0	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.7	
129-00-0	Pyrene	3.6	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

Past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF35RE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626632R1

Sample wt/vol: 40.1 (g/mL) G Lab File ID: 626632

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	21	
91-57-6	2-Methylnaphthalene	13	
90-12-0	1-Methylnaphthalene	17	
92-52-4	Biphenyl	2.0	
581-42-0	2,6 Dimethylnaphthalene	5.8	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	17	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	6.5	
85-01-8	Phenanthrene	10	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.4	
129-00-0	Pyrene	2.9	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

all Z - Discard

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF36

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626633

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626633

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	74	
91-57-6	2-Methylnaphthalene	61	
90-12-0	1-Methylnaphthalene	110	E
92-52-4	Biphenyl	11	
581-42-0	2,6 Dimethylnaphthalene	44	
208-96-8	Acenaphthylene	3.1	
83-32-9	Acenaphthene	100	E
2245-38-7	2,3,5 Trimethylnaphthalene	8.0	
86-73-7	Fluorene	35	
85-01-8	Phenanthrene	31	
120-12-7	Anthracene	7.9	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	8.1	
129-00-0	Pyrene	6.9	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J past HT

Z - over calibration

J Past HT

Z - over calibration

J - Past HT

Z - Discard

J - Past HT

all Z Discard

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

VITREUMF36DL

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626633D1

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626633D

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.4

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	72	D
91-57-6	2-Methylnaphthalene	58	D
90-12-0	1-Methylnaphthalene	110	D
92-52-4	Biphenyl	11	D
581-42-0	2,6 Dimethylnaphthalene	43	D
208-96-8	Acenaphthylene	2.7	DJ
83-32-9	Acenaphthene	100	D
2245-38-7	2,3,5 Trimethylnaphthalene	7.9	D
86-73-7	Fluorene	33	D
85-01-8	Phenanthrene	38	D
120-12-7	Anthracene	7.1	D
832-69-9	1-Methylphenanthrene	2.9	U
206-44-0	Fluoranthene	7.4	D
129-00-0	Pyrene	7.2	D
56-55-3	Benzo(a)anthracene	2.9	U
218-01-9	Chrysene	2.9	U
205-99-2	Benzo(b)fluoranthene	2.9	U
207-08-9	Benzo(k)fluoranthene	2.9	U
192-97-2	Benzo(e)pyrene	2.9	U
50-32-8	Benzo(a)pyrene	2.9	U
198-55-0	Perylene	2.9	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.9	U
53-70-3	Dibenz(a,h)anthracene	2.9	U
191-24-2	Benzo(g,h,i)perylene	2.9	U

all Z - Discard

J past HT

Z- Discard

J past HT

all Z - Discard

J - IS out; past HT

Z- Discard

all UJ → IS out; past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

EB1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108055

Matrix: (soil/water) TISSUE Lab Sample ID: 626634

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626634

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted:07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/27/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

UJ - past HT

Data Assessment Report
Sample Delivery Group 108059
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. STL Colchester performed the analyses for this project. The parameter group and test method were as follows:

- Acid Volatile Sulfide and Simultaneously Extracted Metals (AVS/SEM)[1]
- Total Organic Carbon (TOC) – Lloyd Kahn Method[2]
- Percent Solids[3]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1. Grain size was requested by URS and performed by the laboratory. Sample results were provided, however no assessment was performed by URS.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)
- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits

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[1] Draft Analytical Method for Determination of Acid Volatile Sulfide in Sediment. (H.E. Allen et al., EPA-821-R-91-100, August 1991).
[2] Determination of Total Organic Carbon in Sedimnet. (Lloyd Kahn, USEPA Region II, July 27, 1988).
[3] Mult-Media, Multi-Concentration SOW for Organic Analytical Service, USEPA CLP OLM04.2/4.3.

- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected. It should be noted that the precision was very poor for field duplicate samples (NSP-SE-SQDUP14-0605 and NSP-SE-SQDUMP15-0605) for TOC analyses. The laboratory performed AVS/SEM analyses on sample NSP-SE-SQT10-0605-B rather than on sample NSP-SE-SQT10-0605-D, which was requested on the COC by URS.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analysis using the analytical test methods listed in Section I.

2. Sample Receipt – Twelve sediment samples were submitted to the laboratory. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Samples were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on June 24, 2005 and were received by the laboratory on June 28, 2005.

3. Holding Times – The laboratory analyzed all samples within the EPA recommended hold times.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting, dilution factor, units of measure, analytical batch number, and date of the analysis. A "U" qualifier was used for non-detect results. A "B" qualifier was used for SEM analyses to indicate a result that was below the laboratory reporting limit. URS revised all "B" qualifiers for inorganics to "J" to indicate estimated data. The laboratory performed AVS/SEM analyses on sample NSP-SE-SQT10-0605-B rather than on sample NSP-SE-SQT10-0605-D, which was requested on the COC by URS. The field personnel did not submit a sample for AVS/SEM analysis for sample NSP-SE-SQT10-0605-D, so AVS/SEM analysis was performed on sample NSP-SE-SQT10-0605-B instead. The field personnel included a field duplicate sample from another SDG on the COC. The field duplicate was associated with sample NSP-SE-SQT7-0605-C from the other work order. The field duplicate results will be used for the other SDG.

5. Sample Traceability – The laboratory specified an analytical Batch identification number for all analyses. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The method blank results were less than the laboratory reporting limits for TOC and AVS. In the SEM blank (PBLK1), nickel was detected at 0.015 µmole/g. No qualification was required since the associated samples were greater than 5x the blank contamination or non-detect.

7. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) were within the laboratory control limits for all the TOC analyses. The LCS %R was below the laboratory control limit for mercury. All mercury results were qualified as estimated (UJ). All remaining LCS %R were within laboratory control limits.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – The laboratory selected project sample NSPSE-SQ10-0605 for TOC MS/MSD analyses. MS/MSD analyses were not performed for ASV/SEM analyses. The %R and the RPD (relative percent difference) were within laboratory control limits. No qualification was required.

9. Laboratory (Method) Duplicates (MDs) – The laboratory selected project sample NSPSE-SQT12-0605C for method duplicate analysis (also called replicate sample). The RPDs for TOC and AVS/SEM were less than 20%. No qualification was required.

10. Field Duplicates – Samples NSP-SE-SQDUP14-0605 and NSP-SE-SQDUP15-0605 were submitted as the field duplicates. Sample NSP-SE-SQT10-0605-A is associated with field duplicate NSP-SE-DUP15-0605. The RPD for TOC in sample NSP-SE-SQDUP15-0605 was greater than review criteria (50%). Samples NSP-SE-SQT10-0605-A and NSP-SE-DUP15-0605 were not analyzed for AVS/SEM. The TOC results for samples NSP-SE-SQDUP15-0605 and NSP-SE-SQT10-0605-A were qualified as estimated (J). Samples NSPSE-SQDUP14-0605 and NSP-SE-SQT5-0605-A had a RPD that was outside the control limits for TOC. The results for NSPSE-SQDUP14-0605 and NSP-SE-SQT5-0605-A were qualified as estimated (J). Field personnel collected a field duplicate sample (NSP-SE-SQDUP14-0605) for SDG 108036; however, it was reported in SDG 108059.

11. Field QC Samples – URS did not submit a trip blank or equipment blank for analysis.

12. Dilutions – No samples required dilutions. All soil samples (NSP-SE-SQT8-0605-A, NSP-SE-SQT8-0605-B, NSP-SE-SQT8-0605-C, NSP-SE-SQT8-0605-D, NSP-SE-SQT8-0605-E, NSP-SE-SQT10-0605-A, NSP-SE-SQT10-0605-B, NSP-SE-SQT10-0605-C, NSP-SE-SQT10-0605-D, NSP-SE-SQT10-0605-E, NSP-SE-SQT10-0605-EMS, NSP-SE-SQT10-0705-EREP, NSP-SE-SQDUP14-0605, and NSP-SE-SQDUP15-0605) were less than 75% solids (greater than 25% moisture). The results were corrected for percent moisture.

13. Contract Required Detection Limits (CRDL) – The CRDL had inorganic results that were within laboratory control limits (50-150 percent).

14. Interference Check Sample (ICS) – The ICS had inorganic results that were within laboratory control limits (80-120 percent).

15. Serial Dilution – The laboratory used project sample NSP-SE-SQT8-0605-A for serial dilution analysis. The result for lead exceeded control limits (10 percent). The result for lead in sample NSP-SE-SQT8-0605-A was qualified as estimated (J).

16. Surrogates – Surrogate analysis is not applicable to this method.

17. Internal Standards – Internal standards analysis is not applicable to this method.

18. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, "Standard Operation Procedure, Acid Volatile Sulfide and Simultaneously Extracted Metals" Memo by STL. May 9, 2005.

Table 1
Qualifiers for SDG 108059

Sample Identifications	Sample Analyses	Data Qualifiers
NSP-SE-SQT8-0605-A (626646)	Lloyd Kahn TOC	• None
	AVS/SEM	• The result for lead was qualified as estimated (J) due to the serial dilution outside control limits. • The result for mercury was qualified as estimated (UJ) due to LCS %R outside control limits.
NSP-SE-SQT8-0605-B (626647)	Lloyd Kahn TOC	• None
NSP-SE-SQT8-0605-C (626648)	Lloyd Kahn TOC	• None
NSP-SE-SQT8-0605-D (626649)	Lloyd Kahn TOC	• None
NSP-SE-SQT8-0605-E (626650)	Lloyd Kahn TOC	• None
NSP-SE-SQT10-0605-A (626651)	Lloyd Kahn	• The result was qualified as estimated (J) because the field duplicate RPD was greater than control limits.
NSP-SE-SQT10-0605-B (626652)	Lloyd Kahn TOC	• None
	AVS/SEM	• The result for mercury was qualified as estimated (UJ) due to LCS %R outside control limits.
NSP-SE-SQT10-0605-C (626653)	Lloyd Kahn TOC	• None
NSP-SE-SQT10-0605-D (626654)	Lloyd Kahn TOC	• None
NSP-SE-SQT10-0605-E (626655)	Lloyd Kahn TOC	• None
NSP-SE-SQT10-0605-EMS (626655)	Lloyd Kahn TOC	• None
NSP-SE-SQT10-0605-EREP (626655)	Lloyd Kahn TOC	• None
NSP-SE-SQDUP14-0605 (626656) *Field Duplicate**	Lloyd Kahn TOC	• None
	AVS/SEM	• The result for mercury was qualified as estimated (UJ) due to LCS %R outside control limits.
NSP-SE-SQDUP15-0605 (626657) *Field Duplicate*	Lloyd Kahn TOC	• The result was qualified as estimated (J) because the field duplicate RPD was greater than control limits.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.
* = The parent sample for this field duplicate is contained in SDG 108036 (NSP-SE-SQT5-0605-A).

ATTACHMENT 1
(Data Summary Sheets)

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT8-0605-A

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108059

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626646

Matrix: SOIL
Client: URSCO9
Date Received: 06/28/05

% Solids: 32.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		32.7	
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	46.8	46.8	U
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	1530	309000	

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SQT8-0605-B

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108059

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626647

Matrix: SOIL

Client: URSCO9

Date Received: 06/28/05

% Solids: 35.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		35.3	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	1420	134000	

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT8-0605-C

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108059

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626648

Matrix: SOIL
Client: URSCO9
Date Received: 06/28/05

% Solids: 35.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		35.5	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	1410	476000	

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SQT8-0605-D

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108059

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626649

Matrix: SOIL

Client: URSCO9

Date Received: 06/28/05

% Solids: 38.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		38.6	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	1300	83200	

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT8-0605-E

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108059

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626650

Matrix: SOIL
Client: URSCO9
Date Received: 06/28/05

% Solids: 17.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		17.8	
IN847	TOC by Lloyd Kahn	07/06/05	BLKLK0705A	mg/Kg	1	2810	452000	

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SQT10-0605-A

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108059

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626651

Matrix: SOIL

Client: URSCO9

Date Received: 06/28/05

% Solids: 68.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		68.2	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	733	11300	J

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT10-0605-B

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108059

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626652

Matrix: SOIL
Client: URSCO9
Date Received: 06/28/05

% Solids: 72.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/06/05	N/A	%	1.0		72.0	
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	22.2	22.2	U
IN847	TOC by Lloyd Kahn	07/06/05	BLKLK0705A	mg/Kg	1	694	2830	

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SQT10-0605-C

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108059

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626653

Matrix: SOIL

Client: URSCO9

Date Received: 06/28/05

% Solids: 70.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		70.5	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	709	2600	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SQT10-0605-D

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108059

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626654

Matrix: SOIL

Client: URSCO9

Date Received: 06/28/05

% Solids: 62.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		62.1	
IN847	TOC by Lloyd Kahn	07/06/05	BLKLK0705A	mg/Kg	1	805	2410	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SQT10-0605-E

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108059

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626655

Matrix: SOIL

Client: URSCO9

Date Received: 06/28/05

% Solids: 73.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		73.9	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	677	2440	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SQDUP14-0605

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108059

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626656

Matrix: SOIL

Client: URSCO9

Date Received: 06/28/05

% Solids: 69.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		69.7	
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	22.0	22.0	U

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQDUP15-0605

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108059

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626657

Matrix: SOIL
Client: URSCO9
Date Received: 06/28/05

% Solids: 70.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		70.2	
IN847	TOC by Lloyd Kahn	07/06/05	BLKLK0706A	mg/Kg	1	712	1670	J

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AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQT8-0605-A

Lab Name: STL BURLINGTON

Contract: 25000

Lab Code: STLVT

Case No.: 25000

SDG No.: 108059

Matrix: Soil

Client: URSCO9

Lab Sample ID: 626646

% Solids: 32.7

Date Received: 06/28/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0026	07/16/2005	01:50	PBSEM0629A
SW6010B	Copper	0.17	umole/g	B → J		0.031	07/16/2005	01:50	PBSEM0629A
SW6010B	Lead	0.039	umole/g	J		0.0077	07/16/2005	01:50	PBSEM0629A
SW6010B	Nickel	0.092	umole/g	B → J		0.027	07/16/2005	01:50	PBSEM0629A
SW6010B	Zinc	0.33	umole/g			0.047	07/16/2005	01:50	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U → UJ		0.0018	07/07/2005	10:26	PBHGW0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.5	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQT10-0605-B

Lab Name: STL BURLINGTON

Contract: 25000

Lab Code: STLVT

Case No.: 25000

SDG No.: 108059

Matrix: Soil

Client: URSCO9

Lab Sample ID: 626652

% Solids: 72.0

Date Received: 06/28/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	01:59	PBSEM0629A
SW6010B	Copper	0.016	umole/g	B → J		0.015	07/16/2005	01:59	PBSEM0629A
SW6010B	Lead	0.0068	umole/g			0.0037	07/16/2005	01:59	PBSEM0629A
SW6010B	Nickel	ND	umole/g	U		0.013	07/16/2005	01:59	PBSEM0629A
SW6010B	Zinc	0.028	umole/g	B → J		0.023	07/16/2005	01:59	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U → UJ		0.00085	07/07/2005	10:28	PBHGW0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.69	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQDUP14-0605

Lab Name: STL BURLINGTON | Contract: 25000

Lab Code: STLVT | Case No.: 25000 | SDG No.: 108059

Matrix: Soil | Client: URSCO9 | Lab Sample ID: 626656

% Solids: 69.7 | Date Received: 06/28/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	02:03	PBSEM0629A
SW6010B	Copper	0.055	umole/g	B → J		0.015	07/16/2005	02:03	PBSEM0629A
SW6010B	Lead	0.014	umole/g			0.0037	07/16/2005	02:03	PBSEM0629A
SW6010B	Nickel	ND	umole/g	U		0.013	07/16/2005	02:03	PBSEM0629A
SW6010B	Zinc	0.12	umole/g			0.023	07/16/2005	02:03	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U → UJ		0.00085	07/07/2005	10:30	PBHGW0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.69	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

PBLK1

Lab Name: STL BURLINGTON

Contract: 25000

Lab Code: STLVT

Case No.: 25000

SDG No.: 108059

Matrix: SOIL

Client: URSCO9

Lab Sample ID: PBLK1

% Solids:

Date Received:

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.00089	07/16/2005	00:04	PBSEM0629A
SW6010B	Copper	ND	umole/g	U		0.011	07/16/2005	00:04	PBSEM0629A
SW6010B	Lead	ND	umole/g	U		0.0027	07/16/2005	00:04	PBSEM0629A
SW6010B	Nickel	0.015	umole/g	B → J		0.0094	07/16/2005	00:04	PBSEM0629A
SW6010B	Zinc	ND	umole/g	U		0.016	07/16/2005	00:04	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U		0.00060	07/07/2005	09:46	PBHGW0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.25	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

Data Assessment Report
Sample Delivery Group 108066
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. Severn Trent Laboratory (STL), Colchester (Vermont) performed the analyses for this project. The parameter group and test method were as follows:

- Polycyclic Aromatic Hydrocarbons (PAHs) – by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM) SW846[1] Method 8270C*
- Lipids[2]
- Percent Solids[3]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)

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[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996. Revised April 1998.

* Additionally, the laboratory used the *SOP for the Determination of Organics in Fish.* SOP IK: ASBP100, Mod1.0 October 1990; ASB E100, Mod1.0, October 1990, USEPA Region 4 Science and Ecosystem Support Division, Analytical Support Branch.

[2] *Determination of Percent Lipid in Tissue.* Geochemical and Environmental Research Group, Texas A&M University College Station, TX. NOAA Technical Memorandum NOS ORCA 130 National Status and Trends Program for Marine Environmental Quality Sampling and Analytical Methods of the National Status and Trends Program Mussel Watch Project: 1993-1996 Update

[3] Mult-Media, Multi-Concentration SOW for Organic Analytical Service, USEPA CLP OLM04.2/4.3.

- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USABILITY

Most analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. The compound benzo(ghi)perylene was rejected due to a MS/MSD recovery less than ten percent.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

2. Sample Receipt – Nineteen tissue samples were submitted to the laboratory. The laboratory prepped an equipment blank for this package. Two duplicates (MMACROLEPIDOTUMF11DUP and MMACROLEPIDOTUMF31DUP) were included and analyzed by the laboratory in the report that were not listed on the COCs. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Samples were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on June 15 and 16, 2005 and were received by the laboratory on June 18, 2005.

3. Holding Times – URS requested analyses for PAHs after the recommended hold time. Therefore, all of the results were qualified as estimated (J/UJ).

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting limit, dilution factor, units of measure, analytical batch number, and date of the analysis. A "U" qualifier was used for non-detect results. A "D" qualifier was used by the laboratory to indicate concentrations identified from analysis of the sample at a secondary dilution. A "J" qualifier was used by the laboratory to indicate estimated data below the reporting limit but above the method detection limit (MDL). To provide consistency for reporting all tissue samples submitted for this project, the "NS-TA" and "MMACROLEPI" prefixes were removed from all samples to facilitate the use of commercial data processing systems by the laboratory. Multiple compounds (naphthalene, 1-methylnaphthalene, acenaphthene, and phenanthrene) were flagged "E" by the laboratory in samples MACROLEPIDOTUM-F-3-1, MMACROLEPIDOTUMF31DUP, MMACROLEPIDOTUM-F-3-3, MMACROLEPIDOTUM-F-3-7, and MMACROLEPIDOTUM-F-3-8 due to results that exceeded the instruments calibration range. The samples were re-analyzed at a dilution. Both sets of data were presented in the report by the laboratory. The compounds that were flagged "E" were discarded ("Z" qualified) and the diluted results were kept in the report and qualified as listed in Table 1.

5. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. For example, the laboratory ID 626685 corresponds to sample NS-TA-SVITREM-W-3-1. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The method blank results were less than the laboratory reporting limits for PAH analysis. (*Note- the method blank SBLKR9 was analyzed on instrument Y in association with several of the other PAH samples and was reported as SBLK9R to provide distinction between its two analyses).

7. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) were within the laboratory control limits.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – The laboratory selected project sample MMACROLEPIDOTUM-F-3-8 for MS/MSD analyses. For the original sample, the %R was below the laboratory acceptance limits, but greater than ten percent for 2-methylnaphthalene, 2,6-dimethylnaphthalene, fluorene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, perylene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(e)pyrene. The results for 1-methylnaphthalene, pyrene, fluoranthene, and 1-methylphenanthrene were above the laboratory acceptance limits. The relative percent difference (RPD) was above laboratory control limits for 2-methylnaphthalene, 1-methylnaphthalene, 2,6-dimethylnaphthalene, acenaphthene, and phenanthrene. (*Note- the laboratory did not flag the compounds 1-methylnaphthalene and 2,6-dimethylnaphthalene). The associated results were qualified as estimated (J/UJ) due to %R and RPDs outside of the control limits. The compounds acenaphthene, phenanthrene, and benzo(ghi)perylene had percent recoveries less than ten percent. Acenaphthene and phenanthrene had positive results, therefore, these were qualified as estimated (J). The non-detect result for benzo(ghi)perylene was rejected (R).

9. Laboratory (Method) Duplicates (MDs) – The laboratory selected project sample MMACROLEPIDOTUM-F-3-8 for method duplicate analysis (also called replicate sample). The RPD for percent solids was less than 20%. No qualification was required. The RPD for lipids was greater than 20%. The original and duplicate results were qualified as estimated (J).

10. Field Duplicates – Samples MMACROLEPIDOTUMEF11DUP and MMACROLEPIDOTUMF31DUP were submitted as the field duplicates. Both samples yielded results that were within than review criteria (50%). No qualification of data was required.

11. Field QC Samples – URS did not submit an equipment blank with this SDG; however, the laboratory prepared sample EB3 as an equipment blank for PAH analysis. All of the results were non-detect (U). No qualification of data was required. (*Note- the equipment blank generated by the laboratory is related to the homogenization of the fish. Equipment is cleaned between each sample. The laboratory creates a blank to show there was no carry-over)

12. Dilutions – Per the case narrative, samples MMACROLEPIDOTUM-F-3-1, MMACROLEPIDOTUMF31DUP, MMACROLEPIDOTUM-F-3-3, MMACROLEPIDOTUM-F-3-7, and MMACROLEPIDOTUM-F-3-8 yielded the presence of target compounds at concentrations above calibration range. These samples were re-analyzed at dilutions and both sets of data were presented in the report. The diluted analyses for samples MMACROLEPIDOTUM-F-3-7 and MMACROLEPIDOTUM-F-3-8 were analyzed on instrument Y and the original analyses were performed on instrument P. This does not impact final results; no qualification of data was required.

13. Surrogates – Most of the surrogate %Rs were within the laboratory control limits. However, several of the samples had one surrogate recovery above the laboratory control limit. No qualification is required when only one surrogate is outside the control limits.

14. Internal Standards – It should be noted that the PAH-SIM analyses includes five surrogate compounds spiked at the time of extraction. Therefore, each surrogate compound must be labeled as an internal standard in the laboratories data processing software to allow utilization of the response of the surrogate compound in the calculation of each target compound. Since quantification for this procedure is based on the isotopic dilution technique, or surrogate corrected quantification, surrogates are internally identified as internal standards and appear on the Form 8. These qualifications can be ignored as the compounds were fortified at extraction rather than immediately prior to analysis leaving only two "true" internal standards (fluorene-d10 and benzo(a)pyrene-d12). The true internal standard values were within laboratory criteria; no qualification of the results were required.

15. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachments 1 and 2.

V. REFERENCES

URS, 2005, "Standard Operation Procedure, Extractable PAH compounds by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM)" Memo by STL. December 19, 2003. Revision 3.

Table 1
Qualifiers for SDG 108066

Sample Identifications*	Sample Analyses	Data Qualifiers
NS-TA-SVITREM-W-3-1 (626685)	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-SVITREM-W-3-2 (626686)	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NA-TA-MMACROLEPIDOTUM-F-1-1 (626687)	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUMF11DUP (626688) *Field Duplicate*	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-1-2 (626689)	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-1-3 (626690)	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-1-4 (626691)	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-1-5 (626692)	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-1-6 (626693)	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-1-7 (626694)	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.

Table 1
Qualifiers for SDG 108066

Sample Identifications*	Sample Analyses	Data Qualifiers
NS-TA-MMACROLEPIDOTUM-F-1-8 (626695)	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-3-1 (626696)	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
		▪The results for naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, 2,6-dimethylnaphthalene, acenaphthene, fluorene, and phenanthrene were discarded ("Z"qualified) due to calibration exceedances.
NS-TA-MMACROLEPIDOTUM-F-3-1DL (626696D) *Re-Analysis (DilutionX10)*	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
		▪The results for naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, 2,6-dimethylnaphthalene, acenaphthene, fluorene, and phenanthrene were retained in the database.
NS-TA-MMACROLEPIDOTUMF31DUP (626697) *Field Duplicate*	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
		▪The results for naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, 2,6-dimethylnaphthalene, acenaphthene, fluorene, and phenanthrene were discarded ("Z"qualified) due to calibration exceedances.
NS-TA-MMACROLEPIDOTUMF31DUPDL (626697D) *Re-Analysis (DilutionX6.7)*	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
		▪The results for naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, 2,6-dimethylnaphthalene, acenaphthene, fluorene, and phenanthrene were retained in the database.
NS-TA-MMACROLEPIDOTUM-F-3-2 (626698)	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-3-3 (626699)	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
		▪The results for 1-methylnaphthalene and acenaphthene were discarded ("Z"qualified) due to calibration exceedances.
NS-TA-MMACROLEPIDOTUM-F-3-3DL (626699D) *Re-Analysis (DilutionX1.7)*	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
		▪The results for 1-methylnaphthalene and acenaphthene were retained in the database.
NS-TA-MMACROLEPIDOTUM-F-3-4 (626700)	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-3-5 (626701)	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-3-6 (626702)	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
NS-TA-MMACROLEPIDOTUM-F-3-7 (626703)	PAH Lipids	▪The results were qualified as estimated (J/UJ) due to hold time.
		▪The results for naphthalene, 1-methylnaphthalene and acenaphthene were discarded ("Z"qualified) due to calibration exceedances.

Table 1
Qualifiers for SDG 108066

Sample Identifications*	Sample Analyses	Data Qualifiers
NS-TA-MMACROLEPIDOTUM-F-3-7DL (626703D) *Re-Analysis (DilutionX3.3)*	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The results for naphthalene, 1-methylnaphthalene and acenaphthene were retained in the database.
NS-TA-MMACROLEPIDOTUM-F-3-8 (626704)	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The results for naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, 2,6-dimethylnaphthalene, acenaphthene, fluorene, and phenanthrene were discarded ("Z"qualified) due to calibration exceedances.
		•The results for 2-methylnaphthalene, 2,6-dimethylnaphthalene, fluorene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(e)pyrene, benzo(a)pyrene, perylene, indeno(s,2,3-cd)pyrene, dibenz(a,h)anthracene, 1-methylphenanthrne, fluoranthene, pyrene were qualified as estimated (J/UJ) due MS/MSD %R and/or RPDs above/below acceptance limits.
		•The result for benzo(ghi)perylene was rejected (R) due to a MS/MSD %R less than ten percent.
NS-TA-MMACROLEPIDOTUM-F-3-8DL (626704D) *Re-Analysis (DilutionX3.3)*	PAH Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The results for naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, 2,6-dimethylnaphthalene, acenaphthene, fluorene, and phenanthrene were retained in the database.
		•The result for 1-methylphenanthrne was qualified as estimated (J) due MS/MSD %R above the acceptance limits.
		•The result for benzo(ghi)perylene was rejected (R) and acenapthene, and phenanthrene were qualified as estimated (J) due to a MS/MSD %R less than ten percent.
EB3 (626705) *Equipment Blank*	Solid	•The results were qualified as estimated (J/UJ) due to hold time.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.
*Actual field IDs are shown; field IDs were shortened to accommodate computer software. Shortened IDs are shown in the analytical report.

ATTACHMENT 1
(PAH Data Summary Sheets)

SEVERN TRENT STL

SAT PAH

SAMPLE DATA SUMMARY PACKAGE

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF1-1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626687

Sample wt/vol: 40.1 (g/mL) G Lab File ID: 626687

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/28/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.1	
91-57-6	2-Methylnaphthalene	5.3	
90-12-0	1-Methylnaphthalene	2.9	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - past HT

UJ

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF1-1DUP

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626688

Sample wt/vol: 40.8 (g/mL) G Lab File ID: 626688

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/28/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.2	
91-57-6	2-Methylnaphthalene	5.5	
90-12-0	1-Methylnaphthalene	3.2	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - PAST HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF1-2

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626689

Sample wt/vol: 40.2 (g/mL) G Lab File ID: 626689

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/28/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.2	
91-57-6	2-Methylnaphthalene	2.4	
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF1-3

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626690

Sample wt/vol: 40.6 (g/mL) G Lab File ID: 626690

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/28/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	4.2		J - past HT
91-57-6	2-Methylnaphthalene	9.8		
90-12-0	1-Methylnaphthalene	6.5		
92-52-4	Biphenyl	2.0	U	J
581-42-0	2,6 Dimethylnaphthalene	4.8		
208-96-8	Acenaphthylene	2.0	U	J
83-32-9	Acenaphthene	4.3		
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	J
86-73-7	Fluorene	2.2		
85-01-8	Phenanthrene	4.8		J
120-12-7	Anthracene	2.0	U	
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.0	U	
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF1-4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626691

Sample wt/vol: 40.5 (g/mL) G Lab File ID: 626691

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/28/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	2.4		J - PAST HT
91-57-6	2-Methylnaphthalene	2.0	U	UJ
90-12-0	1-Methylnaphthalene	2.0	U	
92-52-4	Biphenyl	2.0	U	
581-42-0	2,6 Dimethylnaphthalene	2.0	U	
208-96-8	Acenaphthylene	2.0	U	
83-32-9	Acenaphthene	2.0	U	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	
86-73-7	Fluorene	2.0	U	
85-01-8	Phenanthrene	2.2		J
120-12-7	Anthracene	2.0	U	UJ
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.0	U	
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF1-5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626692

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626692

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/28/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.1	
91-57-6	2-Methylnaphthalene	7.1	
90-12-0	1-Methylnaphthalene	4.5	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	3.2	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.4	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	4.3	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.5	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - Post HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF1-6

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626693

Sample wt/vol: 40.1 (g/mL) G Lab File ID: 626693

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/28/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.0	
91-57-6	2-Methylnaphthalene	4.1	
90-12-0	1-Methylnaphthalene	3.0	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - post HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF1-7

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626694

Sample wt/vol: 40.1 (g/mL) G Lab File ID: 626694

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/28/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	4.2	
91-57-6	2-Methylnaphthalene	7.4	
90-12-0	1-Methylnaphthalene	4.8	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.8	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.5	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - post HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF1-8

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626695

Sample wt/vol: 40.5 (g/mL) G Lab File ID: 626695

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/28/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	3.6		J - past HT
91-57-6	2-Methylnaphthalene	4.9		
90-12-0	1-Methylnaphthalene	3.3		
92-52-4	Biphenyl	2.0	U	UJ
581-42-0	2,6 Dimethylnaphthalene	2.1		J
208-96-8	Acenaphthylene	2.0	U	UJ
83-32-9	Acenaphthene	2.0	U	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	
86-73-7	Fluorene	2.0	U	
85-01-8	Phenanthrene	2.0	U	
120-12-7	Anthracene	2.0	U	
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.0	U	
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626696

Sample wt/vol: 40.7 (g/mL) G Lab File ID: 626696

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/28/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	320	E	Z - over Calibration
91-57-6	2-Methylnaphthalene	210	E	
90-12-0	1-Methylnaphthalene	570	E	
92-52-4	Biphenyl	49		J - past HT
581-42-0	2,6 Dimethylnaphthalene	270	E	Z - over calibration
208-96-8	Acenaphthylene	19		J - past HT
83-32-9	Acenaphthene	540	E	Z - over calibration
2245-38-7	2,3,5 Trimethylnaphthalene	51		J past HT
86-73-7	Fluorene	160	E	Z over calibration
85-01-8	Phenanthrene	200	E	
120-12-7	Anthracene	43		J - post HT
832-69-9	1-Methylphenanthrene	4.3		
206-44-0	Fluoranthene	17		
129-00-0	Pyrene	9.7		
56-55-3	Benzo(a)anthracene	2.0	U	UJ
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-1DL

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626696D1

Sample wt/vol: 40.7 (g/mL) G Lab File ID: 626696D

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	330	D	J - past HT
91-57-6	2-Methylnaphthalene	230	D	
90-12-0	1-Methylnaphthalene	620	D	
92-52-4	Biphenyl	53	~~D~~	Z - Discard
581-42-0	2,6 Dimethylnaphthalene	230	D	J - past HT
208-96-8	Acenaphthylene	15	~~DJ~~	Z - Discard
83-32-9	Acenaphthene	580	D	J - past HT
2245-38-7	2,3,5 Trimethylnaphthalene	56	~~D~~	Z - Discard
86-73-7	Fluorene	170	D	J - past HT
85-01-8	Phenanthrene	240	D	
120-12-7	Anthracene	74	~~D~~	Z - Discard
832-69-9	1-Methylphenanthrene	8.1	~~DJ~~	
206-44-0	Fluoranthene	20	~~D~~	
129-00-0	Pyrene	9.4	~~DJ~~	
56-55-3	Benzo(a)anthracene	2.3	~~DJ~~	
218-01-9	Chrysene	3.6	~~DJ~~	
205-99-2	Benzo(b)fluoranthene	20	~~U~~	
207-08-9	Benzo(k)fluoranthene	20	~~U~~	
192-97-2	Benzo(e)pyrene	20	~~U~~	
50-32-8	Benzo(a)pyrene	20	~~U~~	
198-55-0	Perylene	20	~~U~~	
193-39-5	Indeno(1,2,3-cd)pyrene	20	U	
53-70-3	Dibenz(a,h)anthracene	20	U	
191-24-2	Benzo(g,h,i)perylene	20	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

TUMF3-1DUP

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626697

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626697

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	290	E	Z - over calibration
91-57-6	2-Methylnaphthalene	190	E	
90-12-0	1-Methylnaphthalene	520	E	
92-52-4	Biphenyl	37		J - past HT
581-42-0	2,6 Dimethylnaphthalene	240	E	Z - over calibration
208-96-8	Acenaphthylene	17		J - past HT
83-32-9	Acenaphthene	480	E	Z - over. calib.
2245-38-7	2,3,5 Trimethylnaphthalene	47		J - past HT
86-73-7	Fluorene	160	E	Z - over calib.
85-01-8	Phenanthrene	180	E	
120-12-7	Anthracene	39		J - past HT
832-69-9	1-Methylphenanthrene	3.7		
206-44-0	Fluoranthene	15		
129-00-0	Pyrene	9.0		
56-55-3	Benzo(a)anthracene	2.0	U	UJ
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

TUMF3-1DUPDL

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626697D1

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626697D

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/03/05

Injection Volume: 2.0(uL) Dilution Factor: 6.7

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	300	D	J - Past HT
91-57-6	2-Methylnaphthalene	190	D	
90-12-0	1-Methylnaphthalene	510	D	
92-52-4	Biphenyl	50	~~D~~	Z - Discard
581-42-0	2,6 Dimethylnaphthalene	220	D	J - Past HT
208-96-8	Acenaphthylene	14	~~D~~	Z - Discard
83-32-9	Acenaphthene	510	D	J - Past HT
2245-38-7	2,3,5 Trimethylnaphthalene	50	~~D~~	Z - Discard
86-73-7	Fluorene	170	D	J - Past HT
85-01-8	Phenanthrene	270	D	
120-12-7	Anthracene	64	~~D~~	Z - Discard
832-69-9	1-Methylphenanthrene	5.2	~~D~~J	
206-44-0	Fluoranthene	18	~~D~~	
129-00-0	Pyrene	9.2	~~D~~J	
56-55-3	Benzo(a)anthracene	13	~~U~~	
218-01-9	Chrysene	13	~~U~~	
205-99-2	Benzo(b)fluoranthene	13	~~U~~	
207-08-9	Benzo(k)fluoranthene	13	~~U~~	
192-97-2	Benzo(e)pyrene	13	~~U~~	
50-32-8	Benzo(a)pyrene	13	~~U~~	
198-55-0	Perylene	13	~~U~~	
193-39-5	Indeno(1,2,3-cd)pyrene	13	~~U~~	
53-70-3	Dibenz(a,h)anthracene	13	~~U~~	
191-24-2	Benzo(g,h,i)perylene	13	~~U~~	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-2

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626698

Sample wt/vol: 40.9 (g/mL) G Lab File ID: 626698

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/03/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.1	
91-57-6	2-Methylnaphthalene	3.9	
90-12-0	1-Methylnaphthalene	3.3	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.1	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	5.6	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - PAST HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-3

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626699

Sample wt/vol: 40.7 (g/mL) G Lab File ID: 626699

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/03/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	71		J-past HT
91-57-6	2-Methylnaphthalene	51		
90-12-0	1-Methylnaphthalene	110	~~E~~	Z-over Calibration
92-52-4	Biphenyl	9.1		J-past HT
581-42-0	2,6 Dimethylnaphthalene	40		
208-96-8	Acenaphthylene	4.6		
83-32-9	Acenaphthene	100	~~E~~	Z-over calib.
2245-38-7	2,3,5 Trimethylnaphthalene	11		J- past HT
86-73-7	Fluorene	34		
85-01-8	Phenanthrene	75		
120-12-7	Anthracene	19		
832-69-9	1-Methylphenanthrene	2.8		
206-44-0	Fluoranthene	9.2		
129-00-0	Pyrene	6.3		
56-55-3	Benzo(a)anthracene	2.0	U	UD
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-3DL

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626699D1

Sample wt/vol: 40.7 (g/mL) G Lab File ID: 626699D2

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/03/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.7

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	73	~~D~~	Z - discard
91-57-6	2-Methylnaphthalene	49	~~D~~	
90-12-0	1-Methylnaphthalene	120	D	J - past HT
92-52-4	Biphenyl	9.7	~~D~~	Z - discard
581-42-0	2,6 Dimethylnaphthalene	43	~~D~~	
208-96-8	Acenaphthylene	5.1	~~D~~	
83-32-9	Acenaphthene	110	D	J - past HT
2245-38-7	2,3,5 Trimethylnaphthalene	12	~~D~~ Z	Z - discard
86-73-7	Fluorene	36	D	
85-01-8	Phenanthrene	68	D	
120-12-7	Anthracene	17	D	
832-69-9	1-Methylphenanthrene	2.0	DJ	
206-44-0	Fluoranthene	9.2	D	
129-00-0	Pyrene	5.4	D	
56-55-3	Benzo(a)anthracene	3.3	U	
218-01-9	Chrysene	3.3	U	
205-99-2	Benzo(b)fluoranthene	3.3	U	
207-08-9	Benzo(k)fluoranthene	3.3	U	
192-97-2	Benzo(e)pyrene	3.3	U	
50-32-8	Benzo(a)pyrene	3.3	U	
198-55-0	Perylene	3.3	U	
193-39-5	Indeno(1,2,3-cd)pyrene	3.3	U	
53-70-3	Dibenz(a,h)anthracene	3.3	U	
191-24-2	Benzo(g,h,i)perylene	3.3	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626700

Sample wt/vol: 40.7 (g/mL) G Lab File ID: 626700

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/03/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	13	
91-57-6	2-Methylnaphthalene	11	
90-12-0	1-Methylnaphthalene	15	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	4.4	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	11	
2245-38-7	2,3,5 Trimethylnaphthalene	2.5	
86-73-7	Fluorene	3.7	
85-01-8	Phenanthrene	13	
120-12-7	Anthracene	2.9	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.8	
129-00-0	Pyrene	2.6	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626701

Sample wt/vol: 40.3 (g/mL) G Lab File ID: 626701

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/03/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	33	
91-57-6	2-Methylnaphthalene	30	
90-12-0	1-Methylnaphthalene	52	
92-52-4	Biphenyl	4.9	
581-42-0	2,6 Dimethylnaphthalene	18	
208-96-8	Acenaphthylene	3.7	
83-32-9	Acenaphthene	50	
2245-38-7	2,3,5 Trimethylnaphthalene	4.1	
86-73-7	Fluorene	17	
85-01-8	Phenanthrene	28	
120-12-7	Anthracene	7.2	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.8	
129-00-0	Pyrene	2.5	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-6

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626702

Sample wt/vol: 40.5 (g/mL) G Lab File ID: 626702

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/03/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	30	
91-57-6	2-Methylnaphthalene	22	
90-12-0	1-Methylnaphthalene	25	
92-52-4	Biphenyl	2.1	
581-42-0	2,6 Dimethylnaphthalene	10	
208-96-8	Acenaphthylene	2.2	
83-32-9	Acenaphthene	22	
2245-38-7	2,3,5 Trimethylnaphthalene	7.3	
86-73-7	Fluorene	9.9	
85-01-8	Phenanthrene	37	
120-12-7	Anthracene	7.7	
832-69-9	1-Methylphenanthrene	3.0	
206-44-0	Fluoranthene	12	
129-00-0	Pyrene	6.8	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - past HT

UJ

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-7

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626703

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626703

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/03/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	190	~~E~~	Z - over calibration
91-57-6	2-Methylnaphthalene	89		J - past HT
90-12-0	1-Methylnaphthalene	250	~~E~~	Z - over calib
92-52-4	Biphenyl	21		J - past HT
581-42-0	2,6 Dimethylnaphthalene	62		
208-96-8	Acenaphthylene	7.7		
83-32-9	Acenaphthene	160	~~E~~	Z - over calib
2245-38-7	2,3,5 Trimethylnaphthalene	9.7		J - past HT
86-73-7	Fluorene	52		
85-01-8	Phenanthrene	98		
120-12-7	Anthracene	16		
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	7.0		
129-00-0	Pyrene	4.5		
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-7DL

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626703D1

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626703D

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/04/05

Injection Volume: 2.0(uL) Dilution Factor: 3.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	180	~~D~~	J - past HT
91-57-6	2-Methylnaphthalene	89	~~D~~	Z - discard
90-12-0	1-Methylnaphthalene	270	D	J - past HT
92-52-4	Biphenyl	20	~~D~~	Z - discard
581-42-0	2,6 Dimethylnaphthalene	70	D	
208-96-8	Acenaphthylene	6.4	DJ	
83-32-9	Acenaphthene	170	D	J - past HT
2245-38-7	2,3,5 Trimethylnaphthalene	8.9	D	Z - Discard
86-73-7	Fluorene	51	D	
85-01-8	Phenanthrene	58	D	
120-12-7	Anthracene	11	D	
832-69-9	1-Methylphenanthrene	6.7	U	
206-44-0	Fluoranthene	4.4	DJ	
129-00-0	Pyrene	2.7	DJ	
56-55-3	Benzo(a)anthracene	6.7	U	
218-01-9	Chrysene	6.7	U	
205-99-2	Benzo(b)fluoranthene	6.7	U	
207-08-9	Benzo(k)fluoranthene	6.7	U	
192-97-2	Benzo(e)pyrene	6.7	U	
50-32-8	Benzo(a)pyrene	6.7	U	
198-55-0	Perylene	6.7	U	
193-39-5	Indeno(1,2,3-cd)pyrene	6.7	U	
53-70-3	Dibenz(a,h)anthracene	6.7	U	
191-24-2	Benzo(g,h,i)perylene	6.7	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-8

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626704

Sample wt/vol: 40.5 (g/mL) G Lab File ID: 626704

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/03/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	200	~~E~~	Z - over calibration
91-57-6	2-Methylnaphthalene	91		J - C1; C3; past HT
90-12-0	1-Methylnaphthalene	270	~~E~~	Z - over calib.
92-52-4	Biphenyl	22		J - past HT
581-42-0	2,6 Dimethylnaphthalene	66		J - C1; C3; past HT
208-96-8	Acenaphthylene	7.5		J - past HT
83-32-9	Acenaphthene	170	~~E~~	Z - over calib.
2245-38-7	2,3,5 Trimethylnaphthalene	10		J - past HT
86-73-7	Fluorene	54		J - C1; past HT
85-01-8	Phenanthrene	100	~~E~~	Z - over calibration
120-12-7	Anthracene	20		J - past HT
832-69-9	1-Methylphenanthrene	2.8		← C2
206-44-0	Fluoranthene	7.5		← J
129-00-0	Pyrene	5.2		← J
56-55-3	Benzo(a)anthracene	2.0	U	US
218-01-9	Chrysene	2.0	U	←
205-99-2	Benzo(b)fluoranthene	2.0	U	←
207-08-9	Benzo(k)fluoranthene	2.0	U	←
192-97-2	Benzo(e)pyrene	2.0	U	← all
50-32-8	Benzo(a)pyrene	2.0	U	← C1
198-55-0	Perylene	2.0	U	←
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	←
53-70-3	Dibenz(a,h)anthracene	2.0	U	←
191-24-2	Benzo(g,h,i)perylene	2.0	~~U~~ R	Reject

% Rec MS/MSD < 10%

C1 = % Rec MS/MSD Low

C2 = % Rec MS/MSD HIGH

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

DOTUMF3-8DL

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626704D1

Sample wt/vol: 40.5 (g/mL) G Lab File ID: 626704D

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/04/05

Injection Volume: 2.0(uL) Dilution Factor: 3.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	210	D	J - post HT
91-57-6	2-Methylnaphthalene	95	~~D~~	Z - Discard
90-12-0	1-Methylnaphthalene	290	D	J - post HT; CZ
92-52-4	Biphenyl	22	~~D~~	Z - Discard
581-42-0	2,6 Dimethylnaphthalene	78	~~D~~	
208-96-8	Acenaphthylene	7.4	~~D~~	
83-32-9	Acenaphthene	200	D	J - MS/MSD %R <
2245-38-7	2,3,5 Trimethylnaphthalene	9.8	~~D~~	Z - Discard
86-73-7	Fluorene	57	~~D~~	
85-01-8	Phenanthrene	63	D	J - MS/MSD %R < 40%
120-12-7	Anthracene	12	~~D~~	Z - Discard
832-69-9	1-Methylphenanthrene	2.2	~~DJ~~	Z - Discard
206-44-0	Fluoranthene	4.6	~~DJ~~	
129-00-0	Pyrene	3.0	~~DJ~~	
56-55-3	Benzo(a)anthracene	6.6	U	
218-01-9	Chrysene	6.6	U	
205-99-2	Benzo(b)fluoranthene	6.6	U	
207-08-9	Benzo(k)fluoranthene	6.6	U	
192-97-2	Benzo(e)pyrene	6.6	U	
50-32-8	Benzo(a)pyrene	6.6	U	
198-55-0	Perylene	6.6	U	
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	U	
53-70-3	Dibenz(a,h)anthracene	6.6	U	
191-24-2	Benzo(g,h,i)perylene	6.6	~~U~~ R	REJECT - MS/MSD < 10%

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

EB3

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108066

Matrix: (soil/water) TISSUE Lab Sample ID: 626705

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 626705

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/11/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

U5 - past HT

ATTACHMENT 2
(Lipids & Percent Solids Data Summary Sheets)

SEVERN TRENT STL

Sample Report Summary
For Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-1

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626687

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 29.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		29.5	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUMF11

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626688

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 28.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		28.6	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-1

.ab Name: STL BURLINGTON
.ab Code: STLVT
Matrix: TISSUE
% Solids: 26.8

Contract: 25688375
Case No.: 25000
Client: URSCO9

SDG No.: 108066
Lab Sample ID: 626689
Date Received: 06/18/05

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		26.8	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-1

.ab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

.ab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626690

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids: 28.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		28.1	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626691

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 31.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		31.0	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626692

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 32.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		32.9	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-1

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626693

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 31.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		31.0	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108066

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626694

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids: 28.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		28.7	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626695

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids: 29.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		29.2	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-3

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626696

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 29.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		29.1	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUMF31

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626697

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 29.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		29.5	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-3

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 626698

latrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

; Solids: 34.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		34.1	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108066

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626699

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids: 25.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		25.8	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-3

.ab Name: STL BURLINGTON
.ab Code: STLVT
latrix: TISSUE
% Solids: 24.0

Contract: 25688375
Case No.: 25000
Client: URSCO9

SDG No.: 108066
Lab Sample ID: 626700
Date Received: 06/18/05

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1 0		24.0	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108066

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626701

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids: 26.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		26.1	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626702

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 29.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		29.4	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626703

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 31.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1.0		31 4	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626704

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 35.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/19/05	N/A	%	1 0		35.4	

WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.

MMACORLEPIDOTUMF38

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108066

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626704DP

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids: 35.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD*
IN623	Solids, Percent	07/19/05	N/A	%	35.4		35.7		0.8

Control Limit for RPD is +/- 20%, unless otherwise specified.

SEVERN TRENT STL

Supportive Documentation For Wet Chemistry

SEVERN TRENT STL

Wet Chemistry Raw Data

Solids, Percent

STL Burlington --- PERCENT SOLID REPORT --- 22-JUL-2005 10:43:00 --- JM3

Method: IN623

Analyst: MNT

Date/Time in: 07/19/05 1210

Date/Time out: 07/20/05 0930

Batch: QU

Date Entered: 07-21-05
Entered by: MNT

Date Verified: 07-22-05
Verified by: JM3

Lab ID	Mass of Dish (g)	Mass of Dish and Wet Sample (g)	Mass of Dish and Dry Sample (g)	Percent Solid
626687	1.02	4.88	2.16	29.5337
626688	1.02	4.20	1.93	28.6164
626689	1.04	5.33	2.19	26.8065
626690	1.07	3.74	1.82	28.0899
626691	1.08	3.76	1.91	30.9701
626692	1.05	3.88	1.98	32.8622
626693	1.07	6.30	2.69	30.9751
626694	1.02	5.79	2.27	26.2055
626695	1.06	3.80	1.86	29.1971
626696	1.06	3.50	1.77	29.0984
626697	1.02	4.92	2.17	29.4872
626698	1.00	4.58	2.22	34.0782
626699	1.08	5.73	2.28	25.8065
626700	1.05	3.72	1.69	23.9700
626701	1.03	3.98	1.80	26.1017
626702	1.05	4.62	2.10	29.4118
626703	1.05	4.30	2.07	31.3846
626704	1.03	3.40	1.87	35.4430
626704DP	1.03	5.20	2.52	35.7314
627141	1.04	2.80	1.42	21.5909

Percent Solids Determination

Start Date: 07/19/05 Analyst: MNT Time In: 1210
Finish Date: 07/20/05 Analyst: MNT Time Out: 930
Oven ID: H 2 Batch ID 911 Entered By: MNT

LAB ID	Dish #	Dish Weight (g)	Weight of Dish + Wet Sample (g)	Weight of Dish + Dry Sample (g)
626687	1	1.02	4.88	2.16
626688	2	1.02	4.20	1.93
626689	3	1.04	5.33	2.19
626690	4	1.07	3.74	1.82
626691	5	1.08	3.76	1.91
626692	6	1.05	3.58	1.98
626693	7	1.07	6.30	2.69
626694	8	1.02	5.79	2.27
626695	9	1.06	3.80	1.86
626696	10	1.06	3.50	1.77
626697	11	1.02	4.92	2.17
626698	12	1.00	4.58	2.22
626699	13	1.08	5.73	2.28
626700	14	1.05	3.72	1.69
626701	15	1.03	3.98	1.80
626702	16	1.05	4.62	2.10
626703	17	1.05	4.30	2.07
626704	18	1.03	3.40	1.87
626704 DP	19	1.03	5.20	2.52
627141	20	1.04	2.80	1.42

Calculation: Percent Wet Weight = $\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$

Where:
Weight of Dry Sample = Weight of Dry Sample (g) - Dish Weight (g)
Weight of Wet Sample= Weight of Wet Sample (g) - Dish Weight (g)

SEVERN TRENT STL

Geotechnical Sample Report Summary

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626687

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	2.6	

Printed on: 07/13/05 08:59 AM

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUMF11

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626688

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	2.6	

Printed on: 07/13/05 08:50 AM

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626689

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	1.8	

Printed on: 07/13/05 08:59 AM

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108066

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626690

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	3.4	

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108066

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626691

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	3.8	

Printed on: 07/13/05 08:59 AM

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626692

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	3.9	

Printed on: 07/13/05 08:59 AM

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626693

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	2.4	

Printed on: 07/13/05 08:59 AM

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108066

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626694

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	3.1	

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626695

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	2.7	

Printed on: 07/13/05 08:59 AM

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626696

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	4.2	

Printed on: 07/13/05 08:50 AM

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
MMACROLEPIDOTUMF31

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626697

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	3.1	

Printed on: 07/12/05 08:50 AM

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626698

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	5.7	

Printed on: 07/12/05 08:50 AM

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626699

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	2.6	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-3

La: [illegible] BURLINGTON

Lab [illegible]

Ma[illegible]

% S[illegible]

Contract: 25688375

Case No.: 25000

Client: URSCO9

SDG No.: 108066

Lab Sample ID: 626700

Date Received: 06/18/05

Matrix	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
[illegible]	%Lipids Determination	07/12/05		%	1	0.1	1.6	

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108066

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626701

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	1.4	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626702

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	4.0	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626703

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	1.9	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

MMACROLEPIDOTUM-F-3

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108066

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626704

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	1.0	

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GEOTECHNICAL / GENERAL CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.
MMACORLEPIDOTUMF38

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108066

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626704DP

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD*
LIPIDS	%Lipids Determination	07/12/05		%	1.0	J	1.3	J	26

Control Limit for RPD is +/- 20%, unless otherwise specified.

0056

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

EB3

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108066

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 626705

Matrix: SOLID

Client: URSCO9

Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/12/05		%	1	0.1	0.1	U

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Percent Lipids Calculations

Date: 7/12/2005 **Analyst:** RH

Time: 1130 **ETR(s):** 108066

Client: URSCO9

Sample ID	Sample Weight (g)	Dish (g)	Dish/Residue (g)	Extract Final Volume (mLs)	Aliquot Used in Determination (mLs)	% Lipids
SBLKR9	40.00	0.8777	0.8777	10	1	< 0.1
LCSR9	40.00	0.8736	0.8736	10	1	< 0.1
626687	40.10	0.8967	1.0008	10	1	2.6
626688	40.76	0.8993	1.0048	10	1	2.6
626689	40.20	0.8886	0.9617	10	1	1.8
626690	40.58	0.8847	1.0227	10	1	3.4
626691	40.46	0.8910	1.0444	10	1	3.8
626692	40.05	0.8796	1.0363	10	1	3.9
626693	40.14	0.9003	0.9951	10	1	2.4
626694	40.11	0.8947	1.0202	10	1	3.1
626695	40.54	0.8999	1.0087	10	1	2.7
626696	40.72	0.8799	1.0522	10	1	4.2
626697	40.03	0.9009	1.0244	10	1	3.1
626698	40.88	0.8860	1.1204	10	1	5.7
626699	40.70	0.8854	0.9919	10	1	2.6
626700	40.72	0.8809	0.9456	10	1	1.6
626701	40.26	1.0077	1.0658	10	1	1.4
626702	40.45	0.8864	1.0500	10	1	4.0
626703	40.04	1.0076	1.0834	10	1	1.9
626704	40.49	0.9913	1.0329	10	1	1.0
626704DP	40.78	1.0107	1.0621	10	1	1.3
626705	40.03	0.9989	0.9989	10	1	< 0.1
						#DIV/0!
						#DIV/0!
						#DIV/0!
						#DIV/0!

Data Assessment Report
Sample Delivery Group 108176
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. Severn Trent Laboratory (STL), Colchester (Vermont) performed the analyses for this project. The parameter group and test method were as follows:

- Polycyclic Aromatic Hydrocarbons (PAHs) – by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM) SW846[1] Method 8270C*
- Lipids[2]
- Percent Solids[3]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)

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[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996. Revised April 1998.

* Additionally, the laboratory used the *SOP for the Determination of Organics in Fish.* SOP IK: ASBP100, Mod1.0 October 1990; ASB E100, Mod1.0, October 1990, USEPA Region 4 Science and Ecosystem Support Division, Analytical Support Branch.

[2] *Determination of Percent Lipid in Tissue.* Geochemical and Environmental Research Group, Texas A&M University College Station, TX. NOAA Technical Memorandum NOS ORCA 130 National Status and Trends Program for Marine Environmental Quality Sampling and Analytical Methods of the National Status and Trends Program Mussel Watch Project: 1993-1996 Update

[3] Mult-Media, Multi-Concentration SOW for Organic Analytical Service, USEPA CLP OLM04.2/4.3.

- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

2. Sample Receipt – Fifteen tissue samples were submitted to the laboratory. The laboratory prepped an equipment blank for this package. One duplicate (MDOLOMIEUI-W-3-DUP1) was included and analyzed by the laboratory in the report that was not listed on the COCs. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Samples were received intact. The laboratory noted that no FedEx shipping tag was recovered. The COC lists sample NS-TA-MDOLOMIVE-W-3-7 at 1150 that was not received by the laboratory. Instead the laboratory received sample NS-TA-MDOLOMIVE-W-1-8 at 1415. The laboratory was instructed to log the sample as NS-TA-MDOLOMIVE-W-3-7 at 1150. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on June 15, 16, 17, and 21, 2005. The laboratory received the samples on June 18 and 23, 2005.

3. Holding Times – The laboratory extracted all of the samples outside of the recommended hold time. All results were qualified as estimated (J/UJ).

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting, dilution factor, units of measure, analytical batch number, and date of the analysis. A "U" qualifier was used for non-detect results. A "J" qualifier was used by the laboratory to indicate estimated data below the reporting limit but above the method detection limit (MDL). To provide consistency for reporting all tissue samples submitted for this project, the laboratory removed the "NS-TA" prefix was removed from all samples to facilitate the use of commercial data processing system.

5. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. For example, the laboratory ID 627480 corresponds to sample MDOLOMIEUI-W-3-1. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The method blank results for PAH analyses were all non-detect (U). No qualification of data was required.

7. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) for the PAH analyses were within the laboratory control limits.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Sample MIEUIW1-7 was used for the PAH MS/MSD analyses. The %R and RPD results were within the laboratory acceptance limits.

9. Laboratory (Method) Duplicates (MDs) – The laboratory selected project sample MIEUI-W-1-7 for method duplicate analysis (also called replicate sample). The relative percent difference (RPD) for percent solids were less than 20%. No qualification was required. The RPD for lipids was greater than 20%. The results for the original and duplicate were qualified as estimated (J).

- Field Duplicates – Sample MDOLOMIEUI-W-1-3-DUP1 was submitted as a field duplicate by the laboratory. Results were within than review criteria (50%). No qualification of data was required.

- Field QC Samples – URS did not submit an equipment blank with this SDG; however, the laboratory prepared sample EB4 as an equipment blank for PAH analysis. All of the results were non-detect (U). No qualification of data was required. (*Note- the equipment blank generated by the laboratory is related to the homogenization of the fish. Equipment is cleaned between each sample. The laboratory creates a blank to show there was no carry-over)

- Dilutions –No dilutions were necessary for any of the project samples.

- Surrogates – All of the surrogate %Rs for the PAH analyses were within the laboratory limits.

- Internal Standards – Several of the samples had internal standards that were outside of the laboratory control limits. No qualifications of results were needed based on the laboratories procedure. Per the case narrative, analyses of several samples yielded responses slightly below control criteria for the internal standards spiked at the time of extraction, which in this analysis are utilized as surrogates rather than as true internal standards.

- Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

REFERENCES

URS, 2005, "Standard Operation Procedure, Extractable PAH compounds by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM)" Memo by STL. December 19,2003. Revision 3.

Table 1
Qualifiers for SDG 108176

Sample Identifications	Sample Analyses	Data Qualifiers
MDOLOMIEUI-W-3-1 (627480)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-3-DUP1 (627481) *Field Duplicate*	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-3-2 (627482)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-3-3 (627483)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-3-4 (627484)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-3-5 (627485)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-1-1 (627486)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-1-2 (627487)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-1-3 (627488)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-1-4 (627489)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-1-5 (627490)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-1-6 (627491)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIEUI-W-1-7 (627492)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
SVITREUM-W-1-6 (627493)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
EB4 (627494)	Solid	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIVE-W-3-6 (627518)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.
MDOLOMIVE-W-3-7 (627519)	PAHs Lipids	•The results were qualified as estimated (J/UJ) due to hold time.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.

ATTACHMENT 1
(Data Summary Sheets)

SEVERN TRENT STL

SAT PAH

SAMPLE DATA SUMMARY PACKAGE

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW1-1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627486

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627486

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/01/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	5.0	
91-57-6	2-Methylnaphthalene	5.0	
90-12-0	1-Methylnaphthalene	3.4	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	3.0	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.9	
2245-38-7	2,3,5 Trimethylnaphthalene	2.3	
86-73-7	Fluorene	2.9	
85-01-8	Phenanthrene	8.8	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.4	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

Past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW1-2

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627487

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627487

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/01/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	5.8	
91-57-6	2-Methylnaphthalene	5.4	
90-12-0	1-Methylnaphthalene	3.7	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.6	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	3.0	
2245-38-7	2,3,5 Trimethylnaphthalene	2.3	
86-73-7	Fluorene	2.7	
85-01-8	Phenanthrene	7.7	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.1	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - PASTHT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW1-3

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627488

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627488

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/01/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	5.9		J - past HT
91-57-6	2-Methylnaphthalene	6.4		
90-12-0	1-Methylnaphthalene	4.4		
92-52-4	Biphenyl	2.0	U	UJ
581-42-0	2,6 Dimethylnaphthalene	3.3		J
208-96-8	Acenaphthylene	2.0	U	UJ
83-32-9	Acenaphthene	3.7		J
2245-38-7	2,3,5 Trimethylnaphthalene	2.3		
86-73-7	Fluorene	3.1		
85-01-8	Phenanthrene	8.1		
120-12-7	Anthracene	2.0	U	UJ
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.2		J
129-00-0	Pyrene	2.0	U	UJ
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW1-4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627489

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627489

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/01/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	6.4		J - past HT
91-57-6	2-Methylnaphthalene	5.7		
90-12-0	1-Methylnaphthalene	3.4		
92-52-4	Biphenyl	2.0	U	UJ
581-42-0	2,6 Dimethylnaphthalene	2.0	U	
208-96-8	Acenaphthylene	2.0	U	
83-32-9	Acenaphthene	2.0	U	
2245-38-7	2,3,5 Trimethylnaphthalene	2.1		J
86-73-7	Fluorene	2.0	U	UJ
85-01-8	Phenanthrene	6.1		J
120-12-7	Anthracene	2.0	U	UJ
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.0	U	
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW1-5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627490

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627490

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/01/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	6.9		J - past HT
91-57-6	2-Methylnaphthalene	6.1		
90-12-0	1-Methylnaphthalene	3.9		
92-52-4	Biphenyl	2.0	U	UJ
581-42-0	2,6 Dimethylnaphthalene	3.1		J
208-96-8	Acenaphthylene	2.0	U	UJ
83-32-9	Acenaphthene	2.8		J
2245-38-7	2,3,5 Trimethylnaphthalene	2.8		
86-73-7	Fluorene	2.5		
85-01-8	Phenanthrene	6.3		
120-12-7	Anthracene	2.0	U	UJ
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.0	U	
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW1-6

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627491

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627491

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/01/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	6.4	
91-57-6	2-Methylnaphthalene	6.1	
90-12-0	1-Methylnaphthalene	3.9	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	3.0	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	3.2	
2245-38-7	2,3,5 Trimethylnaphthalene	2.8	
86-73-7	Fluorene	3.1	
85-01-8	Phenanthrene	7.0	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - past-HK

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW1-7

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627492

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627492

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/01/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	6.9	
91-57-6	2-Methylnaphthalene	6.1	
90-12-0	1-Methylnaphthalene	3.9	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.9	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	3.8	
2245-38-7	2,3,5 Trimethylnaphthalene	2.4	
86-73-7	Fluorene	3.5	
85-01-8	Phenanthrene	9.7	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.8	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - post HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW3-1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627480

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627480

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted:07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	11		J - past HT
91-57-6	2-Methylnaphthalene	13		
90-12-0	1-Methylnaphthalene	25		
92-52-4	Biphenyl	2.4		
581-42-0	2,6 Dimethylnaphthalene	16		
208-96-8	Acenaphthylene	2.0	U	
83-32-9	Acenaphthene	31		
2245-38-7	2,3,5 Trimethylnaphthalene	4.4		
86-73-7	Fluorene	12		
85-01-8	Phenanthrene	15		
120-12-7	Anthracene	2.5		
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.3		
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW3-2

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627482

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627482

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	11		J - past HT
91-57-6	2-Methylnaphthalene	11		
90-12-0	1-Methylnaphthalene	24		
92-52-4	Biphenyl	2.1		
581-42-0	2,6 Dimethylnaphthalene	14		
208-96-8	Acenaphthylene	2.0	U	
83-32-9	Acenaphthene	30		J
2245-38-7	2,3,5 Trimethylnaphthalene	4.0		
86-73-7	Fluorene	11		
85-01-8	Phenanthrene	12		
120-12-7	Anthracene	2.1		
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.1		J
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW3-3

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627483

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627483

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	6.9		J - past HF
91-57-6	2-Methylnaphthalene	6.0		J
90-12-0	1-Methylnaphthalene	8.5		J
92-52-4	Biphenyl	2.0	U	J
581-42-0	2,6 Dimethylnaphthalene	4.6		J
208-96-8	Acenaphthylene	2.0	U	J
83-32-9	Acenaphthene	9.1		J
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	J
86-73-7	Fluorene	3.2		J
85-01-8	Phenanthrene	5.7		J
120-12-7	Anthracene	2.0	U	J
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.0	U	
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW3-4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627484

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627484

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/01/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	8.4		J - post HT
91-57-6	2-Methylnaphthalene	7.8		
90-12-0	1-Methylnaphthalene	8.1		
92-52-4	Biphenyl	2.0	U	UJ
581-42-0	2,6 Dimethylnaphthalene	4.2		J
208-96-8	Acenaphthylene	2.0	U	UJ
83-32-9	Acenaphthene	8.5		J
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	UJ
86-73-7	Fluorene	3.4		
85-01-8	Phenanthrene	8.1		
120-12-7	Anthracene	2.0	U	UJ
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	6.3		J
129-00-0	Pyrene	4.2		
56-55-3	Benzo(a)anthracene	2.6		
218-01-9	Chrysene	3.0		
205-99-2	Benzo(b)fluoranthene	2.5		
207-08-9	Benzo(k)fluoranthene	2.0		
192-97-2	Benzo(e)pyrene	2.0	U	UJ
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW3-5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627485

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627485

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/01/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	4.8		J - put HT
91-57-6	2-Methylnaphthalene	5.0		
90-12-0	1-Methylnaphthalene	6.1		
92-52-4	Biphenyl	2.0	U	
581-42-0	2,6 Dimethylnaphthalene	2.9		
208-96-8	Acenaphthylene	2.0	U	
83-32-9	Acenaphthene	6.5		
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	
86-73-7	Fluorene	2.3		
85-01-8	Phenanthrene	5.6		
120-12-7	Anthracene	2.0	U	
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.2		
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIEUIW3-DUP1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627481

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627481

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	11	
91-57-6	2-Methylnaphthalene	13	
90-12-0	1-Methylnaphthalene	24	
92-52-4	Biphenyl	2.4	
581-42-0	2,6 Dimethylnaphthalene	16	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	31	
2245-38-7	2,3,5 Trimethylnaphthalene	4.6	
86-73-7	Fluorene	12	
85-01-8	Phenanthrene	15	
120-12-7	Anthracene	2.5	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.2	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIVEW3-6

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627518

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627518

Level: (low/med) LOW Date Received: 06/23/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	21		J ~ past 1K
91-57-6	2-Methylnaphthalene	12		
90-12-0	1-Methylnaphthalene	33		
92-52-4	Biphenyl	2.2		
581-42-0	2,6 Dimethylnaphthalene	11		
208-96-8	Acenaphthylene	2.0	U	UJ
83-32-9	Acenaphthene	27		J
2245-38-7	2,3,5 Trimethylnaphthalene	3.2		
86-73-7	Fluorene	8.7		
85-01-8	Phenanthrene	14		
120-12-7	Anthracene	2.7		
832-69-9	1-Methylphenanthrene	2.0	U	UJ
206-44-0	Fluoranthene	2.3		J
129-00-0	Pyrene	2.0	U	UJ
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

MIVEW3-7

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627519

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627519

Level: (low/med) LOW Date Received: 06/23/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 07/29/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.4	
91-57-6	2-Methylnaphthalene	5.1	
90-12-0	1-Methylnaphthalene	3.5	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	3.2	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	3.2	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.2	
85-01-8	Phenanthrene	6.2	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.4	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J past HT

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

EB4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108176

Matrix: (soil/water) TISSUE Lab Sample ID: 627494

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627494

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: 0 decanted: (Y/N) N Date Extracted: 07/21/05

Concentrated Extract Volume: 2000(uL) Date Analyzed: 08/01/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

w/ past HT

Data Assessment Report
Sample Delivery Group 108177
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. Severn Trent Laboratory (STL), Colchester (Vermont) performed the analyses for this project. The parameter group and test method were as follows:

- Polycyclic Aromatic Hydrocarbons (PAHs) – by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM) SW846[1] Method 8270C*
- Lipids[2]
- Percent Solids[3]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. *REVIEW PROCESS*

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)

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[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996. Revised April 1998.

* Additionally, the laboratory used the *SOP for the Determination of Organics in Fish.* SOP IK: ASBP100, Mod1.0 October 1990; ASB E100, Mod1.0, October 1990, USEPA Region 4 Science and Ecosystem Support Division, Analytical Support Branch.

[2] *Determination of Percent Lipid in Tissue.* Geochemical and Environmental Research Group, Texas A&M University College Station, TX. NOAA Technical Memorandum NOS ORCA 130 National Status and Trends Program for Marine Environmental Quality Sampling and Analytical Methods of the National Status and Trends Program Mussel Watch Project: 1993-1996 Update

[3] Mult-Media, Multi-Concentration SOW for Organic Analytical Service, USEPA CLP OLM04.2/4.3.

- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

2. Sample Receipt – Sixteen tissue samples were submitted to the laboratory. The laboratory prepped an equipment blank for this package. Two duplicates (ANEBULOSIS-W-1-DUP1 and ANEBULOSIS-W-3-DUP1) were included and analyzed by the laboratory in the report but were not listed on the COCs. Samples SVITREUM-W-3-5 and SVITREUM-W-3-6 were included in the laboratory sample ID list; however, they were not analyzed and no results were reported for these two samples. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The laboratory incorrectly transcribed the sample ID as ANEBULOSUS-W-1-1 instead of ANEBULOSIS-W-1-1 throughout the report. The samples were collected on June 15, 16, 17, and 21, 2005. The laboratory received the samples on June 18 and 23, 2005.

3. Holding Times – The laboratory received the frozen samples past the recommended hold time. Therefore, the laboratory extracted all of the samples outside of the recommended hold time; therefore, all of the results were qualified as estimated (J/UJ).

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting, dilution factor, units of measure, analytical batch number, and date of the analysis. A "U" qualifier was used for non-detect results. A "D" qualifier was used by the laboratory to indicate concentrations identified from analysis of the sample at a secondary dilution. A "J" qualifier was used by the laboratory to indicate estimated data below the reporting limit but above the method detection limit (MDL). To provide consistency for reporting all tissue samples submitted for this project, the "NS-TA" and "ANEBU" prefixes were removed from all samples to facilitate the use of commercial data processing systems by the laboratory. Additionally, the laboratory indicated that the results were reported on a "wet-weight basis".

5. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. For example, the laboratory ID 627497 corresponds to sample ANEBULOSIS-W-1-1. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The method blank results for for the PAH analyses were all non-detect (U). No qualification of data was required.

7. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) for the PAH analyses were within the laboratory control limits.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Sample ANEBULOSIS-W-3-5 was used for MS/MSD analyses. Most of the %R and RPD results were within the laboratory acceptance limits. The compound 2,6-methylnaphthalene had a %R below the laboratory acceptance limits, but greater than ten percent. The compound also had a high RPD recovery. The associated result was qualified as (J).

9. Laboratory (Method) Duplicates (MDs) – The laboratory selected project sample ANEBULOSIS-W-3-5 for method duplicate analysis (also called replicate sample). The relative percent difference (RPD) for percent solids were less than 20%. No qualification was required. The RPD for lipids was greater than 20%. The result for this sample was qualified as estimated (J).

10. Field Duplicates – Samples ANEBULOSIS-W-DUP1 and ANEBULOSIS-3-DUP1 were submitted as a field duplicates by the laboratory. Results were within review criteria (50%). No qualification of data was required.

11. Field QC Samples – URS did not submit an equipment blank with this SDG; however, the laboratory prepared sample EB5 as an equipment blank for PAH analysis. All of the results were non-detect (U). No qualification of data was required. (*Note- the equipment blank generated by the laboratory is related to the homogenization of the fish. Equipment is cleaned between each sample. The laboratory creates a blank to show there was no carry-over)

12. Dilutions – Sample ANEBULOSIS-W-3-4 yielded the presence of target compounds at concentrations above the calibration range. The sample was re-analyzed at a dilution with acceptable results. Both sets of data have been reported. The compounds 1-methylnaphthalene and acenaphthene were flagged "E" by the laboratory in the original analysis due to results that exceeded the instrument's calibration range. The compounds that were flagged "E" were discarded ("Z" qualified) in the original analysis and the diluted results were kept and qualified as listed below.

13. Surrogates – All of the surrogate %Rs were within the laboratory limits for the PAH method. The method blank had one surrogate out of five that was less than ten percent. No qualification of data was required for the QC samples.

14. Internal Standards – Several of the samples had internal standards that were outside of the laboratory control limits. No qualifications of results were needed based on the laboratories procedure. Per the case narrative, analyses of several samples yielded responses slightly below control criteria for the internal standards spiked at the time of extraction, which in this analysis are utilized as surrogates rather than as true internal standards.

15. Electronic Data Deliverables (EDDs) – The laboratory provided two electonic deliverables; one that matched the hardcopy and a second with results converted to a dry weight basis. No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, "Standard Operation Procedure, Extractable PAH compounds by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM)" Memo by STL. December 19,2003. Revision 3.

Table 1
Qualifiers for SDG 108177

Sample Identifications	Sample Analyses	Data Qualifiers
ANEBULOSIS-W-1-1 (627497)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-1-DUP1 (627498) *Field Duplicate*	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-1-2 (627499)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-1-3 (627500)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-1-4 (627501)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-1-5 (627502)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-1-6 (627503)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-1-7 (627504)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-1-8 (627505)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-3-1 (627506)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-3-DUP1 (627507) *Field Duplicate*	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-3-2 (627508)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.

Table 1
Qualifiers for SDG 108177

Sample Identifications	Sample Analyses	Data Qualifiers
ANEBULOSIS-W-3-3 (627509)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-3-4 (627510)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The results for 1-methylnaphthalene and acenaphthene were discarded ("Z"qualified) due to calibration exceedances.
ANEBULOSIS-W-3-4RE (627510D) *Re-Extraction*	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The results for 1-methylnaphthalene and acenaphthene were kept.
ANEBULOSIS-W-3-5 (627511)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
		•The result for 2,6-dimethylnaphthalene was qualified as estimated (J) due to a low MS/MSD %R and a high MS/MSD RPD.
EB5 (627512) *Equipment Blank*	Solid	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-3-6 (627515)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-3-7 (627516)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.
ANEBULOSIS-W-3-8 (627517)	PAH Lipids Percent Solids	•The results were qualified as estimated (J/UJ) due to hold time.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.

ATTACHMENT 1
(Data Summary Sheets)

SEVERN TRENT STL

SAT PAH

SAMPLE DATA SUMMARY PACKAGE

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

EB5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627512

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627512

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	2.0	U
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	2.0	U
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

VJ past HT

9/13

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSIS-W-3-8

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627517

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627517

Level: (low/med) LOW Date Received: 06/21/05

% Moisture: not dec. _____ Date Analyzed: 08/01/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	9.7		J - post HT
91-57-6	2-Methylnaphthalene	4.8		J
90-12-0	1-Methylnaphthalene	13		J
92-52-4	Biphenyl	2.0	U	UJ
581-42-0	2,6 Dimethylnaphthalene	5.5		J
208-96-8	Acenaphthylene	2.0	U	UJ
83-32-9	Acenaphthene	9.9		J
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	UJ
86-73-7	Fluorene	4.0		J
85-01-8	Phenanthrene	6.8		J
120-12-7	Anthracene	2.0	U	UJ
832-69-9	1-Methylphenanthrene	2.0	U	J
206-44-0	Fluoranthene	2.2		J
129-00-0	Pyrene	2.0	U	UJ
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

KBK 9/13/05

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW1-2

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627499

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627499

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	2.0	U	UJ - post HR
91-57-6	2-Methylnaphthalene	2.0	U	
90-12-0	1-Methylnaphthalene	2.0	U	
92-52-4	Biphenyl	2.0	U	
581-42-0	2,6 Dimethylnaphthalene	2.0	U	
208-96-8	Acenaphthylene	2.0	U	
83-32-9	Acenaphthene	2.0	U	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	
86-73-7	Fluorene	2.0	U	
85-01-8	Phenanthrene	4.1	J	
120-12-7	Anthracene	2.0	U	UJ
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	3.1	J	
129-00-0	Pyrene	2.0	U	UJ
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

KAC
9/13/05

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW1-3

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627500

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627500

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	3.0		J · [illegible]
91-57-6	2-Methylnaphthalene	2.5		J
90-12-0	1-Methylnaphthalene	2.0	U	U
92-52-4	Biphenyl	2.0	U	
581-42-0	2,6 Dimethylnaphthalene	2.0	U	
208-96-8	Acenaphthylene	2.0	U	
83-32-9	Acenaphthene	2.0	U	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	
86-73-7	Fluorene	2.0	U	
85-01-8	Phenanthrene	7.3		J
120-12-7	Anthracene	2.0	U	U
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	6.0		J
129-00-0	Pyrene	2.6		J
56-55-3	Benzo(a)anthracene	2.0	U	U
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

9/13/05
[illegible]

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW1-4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627501

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627501

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.2	
91-57-6	2-Methylnaphthalene	3.1	
90-12-0	1-Methylnaphthalene	2.3	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	5.8	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.7	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J · pastels

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW1-5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627502

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627502

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	3.3	
91-57-6	2-Methylnaphthalene	3.3	
90-12-0	1-Methylnaphthalene	2.7	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.1	
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	4.8	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	3.0	
129-00-0	Pyrene	2.0	U
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - past HT

9/13/05
CAC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW1-6

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627503

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627503

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.8	
91-57-6	2-Methylnaphthalene	3.4	
90-12-0	1-Methylnaphthalene	2.6	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.3	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	
2245-38-7	2,3,5 Trimethylnaphthalene	2.1	
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	6.3	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	4.5	
129-00-0	Pyrene	2.0	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - past 4K

9/13/05
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW1-7

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627504

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627504

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U
90-12-0	1-Methylnaphthalene	2.0	U
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	2.0	U
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	2.0	U
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U
86-73-7	Fluorene	2.0	U
85-01-8	Phenanthrene	3.2	
120-12-7	Anthracene	2.0	U
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	5.2	
129-00-0	Pyrene	2.6	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

UJ - post HT

9/13/08
GK

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW1-8

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627505

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627505

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	2.6		J - past HT
91-57-6	2-Methylnaphthalene	3.3		
90-12-0	1-Methylnaphthalene	2.6		
92-52-4	Biphenyl	2.0	U	UJ
581-42-0	2,6 Dimethylnaphthalene	2.5		J
208-96-8	Acenaphthylene	2.0	U	UJ
83-32-9	Acenaphthene	2.0	J	J
2245-38-7	2,3,5 Trimethylnaphthalene	3.0		J
86-73-7	Fluorene	2.0	U	UJ
85-01-8	Phenanthrene	5.7		J
120-12-7	Anthracene	2.0	U	UJ
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	3.6		J
129-00-0	Pyrene	2.0	U	UJ
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

9/13/05
CEK

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW1-DUP1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627498

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627498

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	2.1		J - past HT
91-57-6	2-Methylnaphthalene	3.6		
90-12-0	1-Methylnaphthalene	2.8		
92-52-4	Biphenyl	2.0	U	U)
581-42-0	2,6 Dimethylnaphthalene	2.6		J
208-96-8	Acenaphthylene	2.0	U	U)
83-32-9	Acenaphthene	3.2		J
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	U)
86-73-7	Fluorene	2.6		J
85-01-8	Phenanthrene	7.4		
120-12-7	Anthracene	2.0	U	U)
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	6.6		J
129-00-0	Pyrene	3.1		
56-55-3	Benzo(a)anthracene	2.0	U	U)
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

9/13/05
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW3-1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627506

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627506

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	35	
91-57-6	2-Methylnaphthalene	16	
90-12-0	1-Methylnaphthalene	51	
92-52-4	Biphenyl	4.2	
581-42-0	2,6 Dimethylnaphthalene	17	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	43	
2245-38-7	2,3,5 Trimethylnaphthalene	3.4	
86-73-7	Fluorene	14	
85-01-8	Phenanthrene	21	
120-12-7	Anthracene	4.6	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	7.8	
129-00-0	Pyrene	5.8	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J - PAST HT

9/13/05
KEC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSC09 SAMPLE NO.

LOSISW3-2

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627508

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627508

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	46		J - post HT
91-57-6	2-Methylnaphthalene	21		
90-12-0	1-Methylnaphthalene	81		
92-52-4	Biphenyl	6.4		
581-42-0	2,6 Dimethylnaphthalene	30		
208-96-8	Acenaphthylene	4.0		
83-32-9	Acenaphthene	77		
2245-38-7	2,3,5 Trimethylnaphthalene	6.9		
86-73-7	Fluorene	25		
85-01-8	Phenanthrene	43		
120-12-7	Anthracene	9.9		
832-69-9	1-Methylphenanthrene	3.4		
206-44-0	Fluoranthene	13		
129-00-0	Pyrene	11		
56-55-3	Benzo(a)anthracene	2.0	U	UJ
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.7		J

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW3-3

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627509

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627509

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	8.4		J - past HT
91-57-6	2-Methylnaphthalene	6.9		
90-12-0	1-Methylnaphthalene	15		
92-52-4	Biphenyl	2.0	U	
581-42-0	2,6 Dimethylnaphthalene	6.3		
208-96-8	Acenaphthylene	2.0	U	
83-32-9	Acenaphthene	14		
2245-38-7	2,3,5 Trimethylnaphthalene	2.8		
86-73-7	Fluorene	4.5		
85-01-8	Phenanthrene	7.5		
120-12-7	Anthracene	2.0	U	
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	2.5		
129-00-0	Pyrene	2.0	U	
56-55-3	Benzo(a)anthracene	2.0	U	
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

9/13/05
KEK

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW3-4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627510

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627510

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	53		J past HT
91-57-6	2-Methylnaphthalene	33		
90-12-0	1-Methylnaphthalene	100	E	Z - discard over calibration
92-52-4	Biphenyl	7.7		J - past HT
581-42-0	2,6 Dimethylnaphthalene	43		
208-96-8	Acenaphthylene	13		
83-32-9	Acenaphthene	100	E	Z - Discard - over calibration
2245-38-7	2,3,5 Trimethylnaphthalene	13		J
86-73-7	Fluorene	29		
132-65-0	Dibenzothiophene	6.2		
85-01-8	Phenanthrene	41		
120-12-7	Anthracene	13		
832-69-9	1-Methylphenanthrene	4.1		
206-44-0	Fluoranthene	9.8		
129-00-0	Pyrene	9.6		
56-55-3	Benzo(a)anthracene	2.2		all past HT
218-01-9	Chrysene	3.3		
205-99-2	Benzo(b)fluoranthene	2.0	U	UJ
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.2		
198-55-0	Perylene	2.0	U	UJ
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	4.3		J

9/13/05
KOR

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW3-4DL

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627510D1

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627510D

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/04/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.4

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	54	D	Z Discard
91-57-6	2-Methylnaphthalene	33	D	
90-12-0	1-Methylnaphthalene	100	D	J - post HT - Keep
92-52-4	Biphenyl	7.5	D	Z - Discard
581-42-0	2,6 Dimethylnaphthalene	42	D	
208-96-8	Acenaphthylene	11	D	
83-32-9	Acenaphthene	100	D	J - post HT - Keep
2245-38-7	2,3,5 Trimethylnaphthalene	12	D	Z - Discard
86-73-7	Fluorene	30	D	
85-01-8	Phenanthrene	42	D	
120-12-7	Anthracene	13	D	
832-69-9	1-Methylphenanthrene	3.0	D	
206-44-0	Fluoranthene	9.8	D	
129-00-0	Pyrene	9.7	D	
56-55-3	Benzo(a)anthracene	2.9	U	
218-01-9	Chrysene	3.3	D	
205-99-2	Benzo(b)fluoranthene	2.9	U	
207-08-9	Benzo(k)fluoranthene	2.9	U	
192-97-2	Benzo(e)pyrene	2.9	U	
50-32-8	Benzo(a)pyrene	2.3	DJ	
198-55-0	Perylene	2.9	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.9	U	
53-70-3	Dibenz(a,h)anthracene	2.9	U	
191-24-2	Benzo(g,h,i)perylene	5.0	D	

9/12/05
RGK

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW3-5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627511

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627511

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	6.0		J - past HT
91-57-6	2-Methylnaphthalene	4.3		
90-12-0	1-Methylnaphthalene	7.6		
92-52-4	Biphenyl	2.0	U	UJ
581-42-0	2,6 Dimethylnaphthalene	3.1		J ; %R MS/MSD
208-96-8	Acenaphthylene	2.0	U	UJ
83-32-9	Acenaphthene	6.4		J
2245-38-7	2,3,5 Trimethylnaphthalene	2.0		
86-73-7	Fluorene	2.4		
85-01-8	Phenanthrene	5.4		
120-12-7	Anthracene	2.0	U	UJ
832-69-9	1-Methylphenanthrene	2.0	U	
206-44-0	Fluoranthene	3.4		J
129-00-0	Pyrene	2.0		
56-55-3	Benzo(a)anthracene	2.0	U	UJ
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

9/13/05
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW3-6

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627515

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627515

Level: (low/med) LOW Date Received: 06/21/05

% Moisture: not dec. _____ Date Analyzed: 08/01/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	12	
91-57-6	2-Methylnaphthalene	5.8	
90-12-0	1-Methylnaphthalene	12	
92-52-4	Biphenyl	2.0	U
581-42-0	2,6 Dimethylnaphthalene	6.9	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	13	
2245-38-7	2,3,5 Trimethylnaphthalene	2.8	
86-73-7	Fluorene	6.0	
85-01-8	Phenanthrene	11	
120-12-7	Anthracene	2.1	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	7.3	
129-00-0	Pyrene	33	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.9	
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J-PAH 4-5

9/13/05
KCK

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW3-7

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627516

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627516

Level: (low/med) LOW Date Received: 06/21/05

% Moisture: not dec. _____ Date Analyzed: 08/01/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3	Naphthalene	17	
91-57-6	2-Methylnaphthalene	8.0	
90-12-0	1-Methylnaphthalene	26	
92-52-4	Biphenyl	2.7	
581-42-0	2,6 Dimethylnaphthalene	11	
208-96-8	Acenaphthylene	2.0	U
83-32-9	Acenaphthene	24	
2245-38-7	2,3,5 Trimethylnaphthalene	3.4	
86-73-7	Fluorene	12	
85-01-8	Phenanthrene	36	
120-12-7	Anthracene	4.7	
832-69-9	1-Methylphenanthrene	2.0	U
206-44-0	Fluoranthene	17	
129-00-0	Pyrene	10	
56-55-3	Benzo(a)anthracene	2.0	U
218-01-9	Chrysene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
192-97-2	Benzo(e)pyrene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
198-55-0	Perylene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U

J- Past HT

9/8/05
KEL

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSISW3-DUP1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627507

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627507

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	34		J - past Hr
91-57-6	2-Methylnaphthalene	17		
90-12-0	1-Methylnaphthalene	58		
92-52-4	Biphenyl	5.1		
581-42-0	2,6 Dimethylnaphthalene	13		
208-96-8	Acenaphthylene	2.0	U	UJ
83-32-9	Acenaphthene	40		J
2245-38-7	2,3,5 Trimethylnaphthalene	3.6		
86-73-7	Fluorene	17		
85-01-8	Phenanthrene	22		
120-12-7	Anthracene	4.8		
832-69-9	1-Methylphenanthrene	2.0	U	UJ
206-44-0	Fluoranthene	8.5		J
129-00-0	Pyrene	6.0		
56-55-3	Benzo(a)anthracene	2.0	U	UJ
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

9/13/05
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

URSCO9 SAMPLE NO.

LOSUSW1-1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 108177

Matrix: (soil/water) SOIL Lab Sample ID: 627497

Sample wt/vol: 40.0 (g/mL) G Lab File ID: 627497

Level: (low/med) LOW Date Received: 06/18/05

% Moisture: not dec. _____ Date Analyzed: 08/03/05

GC Column: RTX-5 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
91-20-3	Naphthalene	2.0	U	UJ - post-HT
91-57-6	2-Methylnaphthalene	3.2		J
90-12-0	1-Methylnaphthalene	2.4		J
92-52-4	Biphenyl	2.0	U	UJ
581-42-0	2,6 Dimethylnaphthalene	2.2		J
208-96-8	Acenaphthylene	2.0	U	UJ
83-32-9	Acenaphthene	3.0		J
2245-38-7	2,3,5 Trimethylnaphthalene	2.0	U	UJ
86-73-7	Fluorene	2.3		J
85-01-8	Phenanthrene	7.3		J
120-12-7	Anthracene	2.0	U	UJ
832-69-9	1-Methylphenanthrene	2.0	U	J
206-44-0	Fluoranthene	6.5		J
129-00-0	Pyrene	3.3		J
56-55-3	Benzo(a)anthracene	2.0	U	UJ
218-01-9	Chrysene	2.0	U	
205-99-2	Benzo(b)fluoranthene	2.0	U	
207-08-9	Benzo(k)fluoranthene	2.0	U	
192-97-2	Benzo(e)pyrene	2.0	U	
50-32-8	Benzo(a)pyrene	2.0	U	
198-55-0	Perylene	2.0	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U	
53-70-3	Dibenz(a,h)anthracene	2.0	U	
191-24-2	Benzo(g,h,i)perylene	2.0	U	

9/13/05
KOK

SEVERN TRENT STL

Sample Data Summary Package
For Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSUS-W-1-1

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 627497

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids: 24.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		24.2	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-1-DUP1

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 627498

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 23.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		23.3	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-1-2

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 627499

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 21.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		21.6	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-3

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627500

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids: 25.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		25.1	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-4

.ab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

.ab Code: STLVT

Case No.: 25000

Lab Sample ID: 627501

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids: 22.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		22.7	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-5

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627502

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids: 22.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		22.4	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-1-6

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 627503

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 23.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		23.6	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-7

.ab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

.ab Code: STLVT

Case No.: 25000

Lab Sample ID: 627504

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids: 22.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		22.4	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-1-8

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 627505

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 22.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		22.4	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-3-1

.ab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

.ab Code: STLVT

Case No.: 25000

Lab Sample ID: 627506

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids: 22.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		22.8	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-3-DUP1

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 627507

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 23.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		23.7	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-3-2

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ab Code

latrix: TIS

Solids: 2

Contract: 25688375

Case No.: 25000

Client: URSCO9

SDG No.: 108177

Lab Sample ID: 627508

Date Received: 06/18/05

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN62	Solids, Percent	07/26/05	N/A	%	1.0		23.6	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-3-3

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 627509

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 26.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		26.8	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-3-4

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 627510

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids: 21.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		21.9	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-3-5

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 627511

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 22.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		22.1	

WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.
ANEBULOSIS-W-3-5REP

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 627511DP

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids: 24.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD*
IN623	Solids, Percent	07/26/05	N/A	%	22.1		24.1		9

Control Limit for RPD is +/- 20%, unless otherwise specified.

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-3-6

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 627515

Matrix: TISSUE
Client: URSCO9
Date Received: 06/21/05

% Solids: 22.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		22.1	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-3-7

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 627516

Matrix: TISSUE
Client: URSCO9
Date Received: 06/21/05

% Solids: 20.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		20.9	

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-3-8

.ab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

.ab Code: STLVT
Case No.: 25000
Lab Sample ID: 627517

Matrix: TISSUE
Client: URSCO9
Date Received: 06/21/05

% Solids: 21.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/26/05	N/A	%	1.0		21.7	

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Geotechnical Analysis
Sample Data Summary Package

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSUS-W-1-1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627497

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	3.0	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-DUP1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627498

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	2.1	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-2

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 627499

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	0.9	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-3

Lab [illegible] BURLINGTON

Lab Code: [illegible]LVT

Matrix: [illegible]

% Solid: [illegible]

Contract: 25688375

Case No.: 25000

Client: URSCO9

SDG No.: 108177

Lab Sample ID: 627500

Date Received: 06/18/05

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
	%Lipids Determination	07/13/05		%	1	0.1	1.2	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-4

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627501

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	2.0	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-5

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627502

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	2.6	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-6

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627503

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	1.6	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.
ANEBULOSIS-W-1-7

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 108177

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 627504

Matrix: TISSUE
Client: URSCO9
Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	1.4	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-1-8

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627505

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	1.6	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-3-1

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 627506

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	3.0	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-3-DUP1

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627507

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	3.1	

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Sample Report Summary

Client Sample No.

ANEBULOSIS-3-2

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 627508

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	2.2	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-3-3

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 627509

Matrix: TISSUE

Client: URSCO9

Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	2.1	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-3-4

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627510

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	2.4	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-3-5

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627511

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	2.1	J

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GEOTECHNICAL / GENERAL CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.

ANEBULOSIS-3-5REP

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627511DP

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD*
LIPIDS	%Lipids Determination	07/13/05		%	2.1		3.7		55

** Control Limit for RPD is +/- 20%, unless otherwise specified.*

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

EB5

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 627512

Matrix: SOLID

Client: URSCO9

Date Received: 06/18/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	0.1	U

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-3-6

Lab Name: STL BURLINGTON

Contract: 25688375

SDG No.: 108177

Lab Code: STLVT

Case No.: 25000

Lab Sample ID: 627515

Matrix: TISSUE

Client: URSCO9

Date Received: 06/21/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	1.4	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-3-7

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627516

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/21/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	1.4	

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GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

ANEBULOSIS-W-3-8

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108177

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 627517

Matrix: TISSUE | Client: URSCO9 | Date Received: 06/21/05

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
LIPIDS	%Lipids Determination	07/13/05		%	1	0.1	1.1	

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Percent Lipids Calculations

Date: 7/13/2005 **Analyst:** mlt

Time: 0045 **ETR(s):** 108177 108179

Client: URSCO9

Sample ID	Sample Weight (g)	Dish (g)	Dish/Residue (g)	Extract Final Volume (mLs)	Aliquot Used in Determination (mLs)	% Lipids
SBLKS4	40.00	0.8768	0.8768	10	1	< 0.1
LCSS4	40.00	0.8716	0.8716	10	1	< 0.1
627497	39.99	0.8965	1.0162	10	1	3.0
627498	39.97	0.8925	0.9749	10	1	2.1
627499	40.05	0.9974	1.0345	10	1	0.9
627500	40.05	1.0051	1.0521	10	1	1.2
627501	40.01	0.9923	1.0717	10	1	2.0
627502	39.98	0.9799	1.0853	10	1	2.6
627503	39.97	1.0022	1.0679	10	1	1.6
627504	40.05	1.0125	1.0676	10	1	1.4
627505	39.95	0.9959	1.0593	10	1	1.6
627506	39.99	0.8822	1.0028	10	1	3.0
627507	40.00	0.8780	1.0012	10	1	3.1
627508	40.05	0.8885	0.9775	10	1	2.2
627509	40.04	0.8766	0.9598	10	1	2.1
627510	40.05	0.8977	0.9919	10	1	2.4
627511	40.04	0.8967	0.9797	10	1	2.1
627511DP	40.05	0.9027	1.0492	10	1	3.7
627512	39.99	0.8992	0.8994	10	1	< 0.1
627515	39.95	0.8985	0.9551	10	1	1.4
627516	39.97	0.8784	0.9341	10	1	1.4
627517	39.97	0.8758	0.9186	10	1	1.1
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Data Assessment Report
Sample Delivery Group 860987
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the usability of the data. Section IV lists the findings for each parameter evaluated during the review. Pace Analytical Services, Inc., (Kimberly, Wisconsin), S-F Analytical Laboratories, Inc., CQM, Inc., and Pace Analytical Services, Inc., Green Bay Lab, (Green Bay, Wisconsin) performed the analyses for this project. The parameter group and test methods were as follows:

- Metals – by SW846[1] Method 6020
- Mercury – by SW846 Method 7471A
- Total Cyanide - by SW846 Method 9012A
- Sulfide – by MCAWW[2] Method 376.2
- Total Organic Carbon (TOC) – by SW846 Method 9060
- Percent Solids - by SW846 Method 160.3 [3]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)
- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability

[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996. Revised April 1998.
[2] Manual of Methods for Chemical Analysis of Water and Wastes (MCAWW) USEPA Revised 1983.
[3] Mult-Media, Multi-Concentration SOW for Organic Analytical Service, USEPA CLP OLM04.2/4.3.

- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I. CQM, Inc. performed the sieve analysis of coarse to fine aggregates for this data set. No assessment was performed by URS. The soil classifications from the laboratory are included in Table 1.

2. Sample Receipt – Fifteen soil samples were submitted to the laboratory. The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on June 28, 2005. The laboratory received the samples on June 30, 2005. Per the case narratives for TOC and sulfide analyses, the samples were dried overnight as a part of the preparation method and results are to be considered on a dry weight basis.

3. Holding Times – The laboratory analyzed all samples within the EPA recommended hold times.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting limits, dilution factor, units of measure, analytical batch number, and date of the analysis. A "<" qualifier was used by the laboratory for non-detect results. URS revised this qualifier to a "U" to indicate non-detect results. A "Q" qualifier was used by the laboratory to indicate estimated data below the reporting limit but above the method detection limit (MDL). URS revised this qualifier to a "J" to indicate estimated data. The laboratory used an "A" flag to indicate method blank contamination. The laboratory used an "N" flag and an "*" flag to indicate results that were outside the QC limits. The laboratory used a "1" to flag MS/MSD results where the dissolved analyte or filtered analyte was greater than four times the spike value. These flags were revised as necessary to meet project reporting requirements.

5. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. For example, the laboratory ID 860987-002 corresponds to sample SQT 12. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The method blank results for the TOC, cyanide, and mercury analyses were all non-detect (U). No qualification of data was required. Sample MB1860987 was generated by the laboratory and analyzed as a method blank for this package. Cadmium (0.039 B mg/kg) and copper (0.380 B mg/kg) were detected in the laboratory preparation blank at concentrations that affected the project sample results. The results were revised to "U" non-detect as shown in Table 1. Additionally, aluminum (1.343 B mg/kg), iron (6.538 B mg/kg), and lead (0.126 B mg/kg) were detected in the laboratory preparation blank at concentrations that did not affect the project samples (i.e., the sample concentration was greater than five times the blank concentration, or the element was not detected in the sample). No qualification of data was required due to these exceedances.

7. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) for all of the parameters analyses were within the laboratory control limits.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Samples SQT 4 and SQT 1 were used for MS/MSD analyses for all parameters. The laboratory selected sample SQT 12 for MS/MSD analysis for TOCs. All of the %Rs and RPDs were within the laboratory acceptance limits for both samples for mercury and for TOC in sample SQT 12. The %Rs and RPDs were within the acceptance limits for sample SQT 1 for cyanide, mercury, and TOCs. For sample SQT 4, the %R was below the laboratory acceptance limits, but greater than ten percent for cyanide and TOC and above the laboratory acceptance limit for calcium. Silver and aluminum had a high RPD for sample SQT 1 and SQT 4, respectively. The associated results were qualified as (J). Aluminum and iron were flagged by the laboratory with a "1" to indicate the analyte was greater than four times the spike limit. No qualification of data is required.

9. Laboratory (Method) Duplicates (MDs) – The laboratory did not select a project sample for method duplicate analysis.

10. Field Duplicates – Samples SQT 7 DUP and SQT 8 DUP were submitted as a field duplicates for this SDG. Most of the results were within review criteria (50%). The RPDs were greater than the acceptance limit (50%) for sodium and mercury (SQT 7 DUP), and selenium, mercury, antimony, barium, silver, thallium, and TOC for (SQT 8 DUP). The results in the parent and field duplicate samples were qualified as estimated (J or UJ).

11. Field QC Samples – URS did not submit an equipment blank with this SDG.

12. Serial Dilution – The laboratory used project sample WEST BEARSKIN for serial dilution analysis. The percent differences were less than the control limits.

13. Dilutions – No dilutions were required for cyanide, mercury, or TOCs. Dilutions were required for several elements and are listed in Attachment 1.

14. Surrogates – Not applicable.

15. Internal Standards – Not applicable.

16. Sulfide – No QC data was provided by the laboratory for the sample results; therefore, URS did not perform any data validation for sulfide. It should be noted that the laboratory indicated that all lab QC requirements were met for all of the samples.

17. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

Table 1
Qualifiers for SDG 860987

Sample Identifications	Sample Analyses	Data Qualifiers
WEST BEARSKIN (860987-001)	Metals	▪ The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		▪ The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
		▪ The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	▪ None
	Sulfide	▪ None
	TOC	▪ None
	Cyanide	▪ The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.

Table 1
Qualifiers for SDG 860987

Sample Identifications	Sample Analyses	Data Qualifiers
SQT 12 (860987-002)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
		• The results for cadmium and copper were revised from 0.044 A mg/kg and 1.9 A mg/kg to 0.052 U mg/kg and 1.9 U, respectively, due to method blank contamination.
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Sulfide	• None
	TOC	• None
	Mercury	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Soil Classification	• Sand, fine grained, brown (SP)
SQT 11 (860987-003)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
		• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	• None
	Sulfide	• None
	TOC	• None
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Soil Classification	• Sand with gravel and organic fines, medium to fine to coarse grained, black (SP)
SQT 10 (860987-004)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
		• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
		• The result for cadmium was revised from 0.051 A mg/kg to 0.054 U mg/kg due to method blank contamination.
	Mercury	• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
	Sulfide	• None
	TOC	• None
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Soil Classification	• Sand, fine to medium grained, dark yellowish brown (SP)

Table 1
Qualifiers for SDG 860987

Sample Identifications	Sample Analyses	Data Qualifiers
SQT 9 (860987-005)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
		• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
		• The result for cadmium was revised from 0.063 A mg/kg to 0.080 U mg/kg due to method blank contamination.
	Mercury	• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
	Sulfide	• None
	TOC	• None
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Soil Classification	• Sand with organic fines, fine to medium grained, a little gravel, black (SP)
SQT 2 (860987-006)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
	Sulfide	• None
	TOC	• None
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	• None
	Soil Classification	• Sand with silt and gravel and organic fines, fine to medium grained, black (SP-SM)
SQT 6 (860987-007)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
	Sulfide	• None
	TOC	• None
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	• None
	Soil Classification	• Sandy organic clay, dark brown (OH)
SQT 4 (860987-008)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.

Table 1
Qualifiers for SDG 860987

Sample Identifications	Sample Analyses	Data Qualifiers
		• The results for calcium and aluminum were qualified as estimated (J) due to MS/MSD RPD and %R, respectively, that were above the acceptance limit.
	Sulfide	• None
	TOC	• The result for TOC was qualified as estimated (J) due to a low MS/MSD %R.
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
		• The result for cyanide was qualified as estimated (J) due to a low MS/MSD %R.
	Mercury	• None
	Soil Classification	• Silty sand with organic fines, fine to medium to coarse grained, a little gravel, black (SM)
SQT 7 (860987-009)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
		• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
		• The result for cadmium was revised from 0.052 A mg/kg to 0.055 U mg/kg due to method blank contamination.
		• The result for sodium was qualified as estimated (J) because the field duplicate RPD was greater than control limits.
	Sulfide	• None
	TOC	• None
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	• The result for mercury was qualified as estimated (J) because the field duplicate RPD was greater than control limits.
	Soil Classification	• Sand, fine to medium grained, dark yellowish brown (SP)
SQT 3 (860987-010)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
	Sulfide	• None
	TOC	• None
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	• None
	Soil Classification	• Silty sand with gravel and organic fines, fine to medium to coarse grained, black (SM)
SQT 5 (860987-011)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).

Table 1
Qualifiers for SDG 860987

Sample Identifications	Sample Analyses	Data Qualifiers
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
	Sulfide	• None
	TOC	• None
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	• None
	Soil Classification	• Silty sand with gravel and organic fines, fine to medium to coarse grained, black (SM)
SQT 8 (860987-012)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
		• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
		• The results for antimony, barium, selenium, silver, and thallium were qualified as estimated (J) because the field duplicate RPD was greater than control limits.
	Sulfide	• None
	TOC	• The result for TOC was qualified as estimated (J) because the field duplicate RPD was greater than control limits.
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	• The result for mercury was qualified as estimated (J) because the field duplicate RPD was greater than control limits.
	Soil Classification	• Sand with silt and gravel and organic fines, fine to medium grained, black (SP-SM)
SQT 1 (860987-013)	Metals	• The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		• The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
		• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
		• The result for silver was qualified as estimated (J) due to a MS/MSD RPD that was above the acceptance limit.
		• The result for cadmium was qualified as "U" due to method blank contamination.
	Sulfide	• None
	TOC	• None
	Cyanide	• The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	• None
	Soil Classification	• Sand, fine to medium grained, dark brown (SP)

Table 1
Qualifiers for SDG 860987

Sample Identifications	Sample Analyses	Data Qualifiers
SQT 8 DUP (860987-014) *Field Duplicate*	Metals	▪ The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		▪ The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
		▪ The results for antimony, barium, selenium, silver, and thallium were qualified as estimated (J) because the field duplicate RPD was greater than control limits.
	Sulfide	▪ None
	TOC	▪ The result for TOC was qualified as estimated (J) because the field duplicate RPD was greater than control limits.
	Cyanide	▪ The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	▪ The result for mercury was qualified as estimated (J) because the field duplicate RPD was greater than control limits.
	Soil Classification	▪ Silty Sand with gravel and organic fines, fine to medium grained, black (SM)
SQT 7 DUP (860987-015) *Field Duplicate*	Metals	▪ The laboratory A-flag, indicating the element was detected in the blank was removed (where required) since the amount attributable to the laboratory contamination was negligible (the sample concentration was greater than 5 times the blank concentration).
		▪ The laboratory Q-flag (positive concentration between MDL and RL) was revised to "J" to indicate estimated values for affected elements.
		▪ The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
		▪ The result for sodium was qualified as estimated (J) because the field duplicate RPD was greater than control limits.
		▪ The result for cadmium was qualified as "U" due to method blank contamination.
	Sulfide	▪ None
	TOC	▪ None
	Cyanide	▪ The laboratory "<" flag was revised to "U" to indicate a non-detect value for the affected elements.
	Mercury	▪ The result for mercury was qualified as estimated (J) because the field duplicate RPD was greater than control limits.
	Soil Classification	▪ Sand, fine to medium grained, dark brown (SP)

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. *Qualifiers from the laboratory* are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.

ATTACHMENT 1
(Data Summary Sheets)

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : WEST BEARSKIN

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	11000	33	110		5	mg/kg		07/14/05	SW846 3051	SW846 6020 - >5xMB
Antimony	0.62	0.25	0.82		1	mg/kg	Ø J	07/18/05	SW846 3050B	SW846 6020 - <RL
Arsenic	5.3	0.19	0.63		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Barium	84	0.17	0.58		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Beryllium	0.49	0.051	0.17		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Cadmium	0.95	0.067	0.22		1	mg/kg	K MDL	07/14/05	SW846 3051	SW846 6020 - >5xMB
Calcium	4400	280	940		5	mg/kg		07/14/05	SW846 3051	SW846 6020
Chromium	26	0.27	0.89		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Cobalt	9.6	0.061	0.20		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Copper	38	0.61	2.0		1	mg/kg	K MDL	07/14/05	SW846 3051	SW846 6020 - >5xMB
Iron	48000	64	210		5	mg/kg		07/14/05	SW846 3051	SW846 6020 - >5xMB
Lead	23	0.27	0.90		1	mg/kg		07/14/05	SW846 3051	SW846 6020 - >5xMB
Magnesium	4800	36	120		5	mg/kg		07/14/05	SW846 3051	SW846 6020
Manganese	930	0.72	2.4		5	mg/kg		07/14/05	SW846 3051	SW846 6020
Mercury	0.097	0.0065	0.022		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Nickel	42	1.6	5.4		5	mg/kg		07/14/05	SW846 3051	SW846 6020
Potassium	1400	12	41		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Selenium	2.1	0.77	2.6		1	mg/kg	Ø J	07/14/05	SW846 3051	SW846 6020 - <RL
Silver	0.12	0.072	0.24		1	mg/kg	Ø J	07/18/05	SW846 3050B	SW846 6020 - <RL
Sodium	200	41	140		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Thallium	0.26	0.034	0.11		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Vanadium	51	0.28	0.94		5	mg/kg		07/14/05	SW846 3051	SW846 6020
Zinc	120	3.9	13		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Percent Solids	19.2				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pacè Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 12

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	690	1.6	5.2		1	mg/kg		07/14/05	SW846 3051	SW846 6020 - 75xMB
Antimony	~~<~~ 0.058	0.058	0.19		1	mg/kg	U	07/18/05	SW846 3050B	SW846 6020
Arsenic	0.49	0.044	0.15		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Barium	6.4	0.041	0.14		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Beryllium	0.056	0.012	0.040		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Cadmium	0.052 ~~0.044~~	0.016	0.052		1	mg/kg	~~QA~~ U	07/14/05	SW846 3051	SW846 6020 - MB Cont
Calcium	420	13	44		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Chromium	1.9	0.062	0.21		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Cobalt	0.68	0.014	0.048		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Copper	1.9 ~~1.9~~	0.14	0.48		1	mg/kg	~~A~~ U ~~none~~	07/14/05	SW846 3051	SW846 6020 - MB Cont
Iron	1700	3.0	10		1	mg/kg		07/14/05	SW846 3051	SW846 6020 - 75xMB
Lead	1.2	0.064	0.21		1	mg/kg	~~A~~ none	07/14/05	SW846 3051	SW846 6020 - 75xMB Cont
Magnesium	420	1.7	5.6		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Manganese	17	0.034	0.11		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Mercury	~~<~~ 0.0015	0.0015	0.0050		1	mg/Kg	U	07/15/05	SW846 7471A	SW846 7471A
Nickel	1.8	0.076	0.25		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Potassium	87	2.9	9.6		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Selenium	~~<~~ 0.18	0.18	0.60		1	mg/kg	U	07/14/05	SW846 3051	SW846 6020
Silver	~~<~~ 0.017	0.017	0.056		1	mg/kg	U	07/18/05	SW846 3050B	SW846 6020
Sodium	12	9.7	32		1	mg/kg	~~Q~~ J	07/14/05	SW846 3051	SW846 6020 - LRL
Thallium	~~<~~ 0.0080	0.0080	0.027		1	mg/kg	U	07/14/05	SW846 3051	SW846 6020
Vanadium	4.6	0.013	0.044		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Zinc	6.7	0.91	3.0		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Percent Solids	83.4				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 11

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-003

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	870	3.6	12		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >SXMB
Antimony	0.20	0.14	0.46		1	mg/kg	~~J~~	07/18/05	SW846 3050B	SW846 6020 - <AL
Arsenic	1.7	0.10	0.34		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	22	0.095	0.32		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Beryllium	0.084	0.028	0.093		1	mg/kg	~~J~~	07/15/05	SW846 3051	SW846 6020 - <AL
Cadmium	0.44	0.036	0.12		1	mg/kg	None	07/15/05	SW846 3051	SW846 6020->SXMB
Calcium	4600	31	100		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	4.3	0.15	0.48		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	0.84	0.034	0.11		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	8.4	0.34	1.1		1	mg/kg	None	07/15/05	SW846 3051	SW846 6020->SXMB
Iron	2300	7.0	23		1	mg/kg		07/15/05	SW846 3051	SW846 6020->SXMB
Lead	5.1	0.15	0.49		1	mg/kg	None	07/15/05	SW846 3051	SW846 6020->SXMB
Magnesium	470	3.9	13		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	49	0.078	0.26		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.015	0.0036	0.012		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Nickel	2.7	0.18	0.59		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	150	6.7	22		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	0.62	0.42	1.4		1	mg/kg	~~J~~	07/15/05	SW846 3051	SW846 6020 - <AL
Silver	0.040	0.040	0.13		1	mg/kg	U	07/18/05	SW846 3050B	SW846 6020
Sodium	46	23	75		1	mg/kg	~~J~~	07/15/05	SW846 3051	SW846 6020 - <AL
Thallium	0.019	0.019	0.062		1	mg/kg	U	07/15/05	SW846 3051	SW846 6020
Vanadium	6.3	0.031	0.10		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	23	2.1	7.1		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	34.4				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 10

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-004

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	310	1.6	5.4		1	mg/kg		07/15/05	SW846 3051	SW846 6020 -75xMB
Antimony	k 0.065	0.065	0.22		1	mg/kg	u	07/18/05	SW846 3050B	SW846 6020
Arsenic	0.34	0.046	0.15		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	2.7	0.042	0.14		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Beryllium	0.032	0.012	0.041		1	mg/kg	~~A~~ J	07/15/05	SW846 3051	SW846 6020
Cadmium	0.054 ~~0.051~~	0.016	0.054		1	mg/kg	~~A~~ u	07/15/05	SW846 3051	SW846 6020 - MB cont
Calcium	190	14	45		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	0.86	0.064	0.21		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	0.28	0.015	0.049		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	1.3	0.15	0.49		1	mg/kg	~~A~~ u	07/15/05	SW846 3051	SW846 6020 - mb cont
Iron	640	3.1	10		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - 75xMB
Lead	1.1	0.065	0.22		1	mg/kg	~~A~~ non C	07/15/05	SW846 3051	SW846 6020 - 75xMB
Magnesium	140	1.7	5.8		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	12	0.035	0.12		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.0023	0.0017	0.0056		1	mg/Kg	~~A~~ J	07/15/05	SW846 7471A	SW846 7471A
Nickel	0.66	0.078	0.26		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	61	3.0	9.9		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	~~<~~ 0.19	0.19	0.62		1	mg/kg	u	07/15/05	SW846 3051	SW846 6020
Silver	~~<~~ 0.019	0.019	0.063		1	mg/kg	u	07/18/05	SW846 3050B	SW846 6020
Sodium	~~<~~ 10	10	33		1	mg/kg	u	07/15/05	SW846 3051	SW846 6020
Thallium	~~<~~ 0.0083	0.0083	0.028		1	mg/kg	u	07/15/05	SW846 3051	SW846 6020
Vanadium	1.5	0.014	0.045		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	3.1	0.94	3.1		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	73.6				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 9

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-005

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	680	2.4	8.0		1	mg/kg		07/15/05	SW846 3051	SW846 6020 -75ymB
Antimony	0.086	0.086	0.29		1	mg/kg	u	07/18/05	SW846 3050B	SW846 6020
Arsenic	0.49	0.069	0.23		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	7.7	0.063	0.21		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Beryllium	0.041	0.019	0.062		1	mg/kg	~~Ø~~ J	07/15/05	SW846 3051	SW846 6020
Cadmium	0.080 — ~~0.063~~	0.024	0.080		1	mg/kg	~~Ø~~ u	07/15/05	SW846 3051	SW846 6020 - MB Cont
Calcium	1300	20	68		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	2.0	0.096	0.32		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	0.40	0.022	0.074		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	2.3	0.22	0.74		1	mg/kg	~~Ø~~ name	07/15/05	SW846 3051	SW846 6020 -75ymB
Iron	1100	4.6	15		1	mg/kg		07/15/05	SW846 3051	SW846 6020 -75ymB
Lead	2.0	0.098	0.33		1	mg/kg	~~Ø~~ name	07/15/05	SW846 3051	SW846 6020 -75ymB
Magnesium	280	2.6	8.6		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	18	0.052	0.17		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.0067	0.0023	0.0077		1	mg/Kg	~~Ø~~ J	07/15/05	SW846 7471A	SW846 7471A
Nickel	1.3	0.12	0.39		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	120	4.4	15		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	0.28	0.28	0.93		1	mg/kg	u	07/15/05	SW846 3051	SW846 6020
Silver	0.025	0.025	0.083		1	mg/kg	u	07/18/05	SW846 3050B	SW846 6020
Sodium	19	15	50		1	mg/kg	~~Ø~~ J	07/15/05	SW846 3051	SW846 6020
Thallium	0.012	0.012	0.041		1	mg/kg	u	07/15/05	SW846 3051	SW846 6020
Vanadium	3.8	0.020	0.068		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	7.3	1.4	4.7		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	54.0				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 2

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-006

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	1700	4.1	14		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Antimony	0.22	0.15	0.51		1	mg/kg	~~X~~ J	07/18/05	SW846 3050B	SW846 6020
Arsenic	2.2	0.12	0.39		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	35	0.11	0.36		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Beryllium	0.14	0.032	0.11		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cadmium	0.57	0.041	0.14		1	mg/kg	~~X~~ MME	07/15/05	SW846 3051	SW846 6020 - >5xMB
Calcium	5900	35	120		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	7.3	0.16	0.55		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	1.9	0.038	0.13		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	47	0.38	1.3		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Iron	4200	7.9	26		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Lead	11	0.17	0.56		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Magnesium	880	4.4	15		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	76	0.089	0.30		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.049	0.0041	0.014		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Nickel	6.1	0.20	0.66		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	270	7.6	25		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	0.80	0.47	1.6		1	mg/kg	~~X~~ J	07/15/05	SW846 3051	SW846 6020
Silver	0.047	0.044	0.15		1	mg/kg	~~X~~ J	07/18/05	SW846 3050B	SW846 6020
Sodium	49	26	85		1	mg/kg	~~X~~ J	07/15/05	SW846 3051	SW846 6020
Thallium	0.057	0.021	0.071		1	mg/kg	~~X~~ J	07/15/05	SW846 3051	SW846 6020
Vanadium	9.6	0.035	0.12		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	35	2.4	8.0		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	30.4				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 6

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-007

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	8600	3.0	10		1	mg/kg		07/15/05	SW846 3051	SW846 6020 ->5xMB
Antimony	0.49	0.11	0.38		1	mg/kg		07/18/05	SW846 3050B	SW846 6020
Arsenic	5.8	0.085	0.28		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	72	0.078	0.26		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Beryllium	0.67	0.023	0.077		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cadmium	0.81	0.030	0.10		1	mg/kg	X none	07/15/05	SW846 3051	SW846 6020->5xMB
Calcium	3700	25	84		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	18	0.12	0.40		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	5.8	0.028	0.092		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	51	0.28	0.92		1	mg/kg		07/15/05	SW846 3051	SW846 6020->5xMB
Iron	12000	5.7	19		1	mg/kg		07/15/05	SW846 3051	SW846 6020 ->5xMB
Lead	30	0.12	0.41		1	mg/kg		07/15/05	SW846 3051	SW846 6020 ->5xMB
Magnesium	3500	3.2	11		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	180	0.064	0.21		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.14	0.0031	0.010		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Nickel	14	0.14	0.48		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	1300	5.5	18		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	1.1	0.34	1.1		1	mg/kg	ØJ	07/15/05	SW846 3051	SW846 6020
Silver	0.28	0.033	0.11		1	mg/kg		07/18/05	SW846 3050B	SW846 6020
Sodium	110	19	62		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Thallium	0.13	0.015	0.051		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Vanadium	29	0.025	0.084		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	78	1.7	5.8		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	40.3				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 4

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-008

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	1900	4.7	16		1	mg/kg	J	07/14/05	SW846 3051	SW846 6020 - >5xMB; (1)
Antimony	0.59	0.17	0.58		1	mg/kg		07/18/05	SW846 3050B	SW846 6020
Arsenic	4.3	0.13	0.44		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Barium	50	0.12	0.41		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Beryllium	0.27	0.036	0.12		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Cadmium	0.89	0.047	0.16		1	mg/kg	none	07/14/05	SW846 3051	SW846 6020 - >5xMB
Calcium	9200	40	130		1	mg/kg	J	07/14/05	SW846 3051	SW846 6020 - MS/MSD High
Chromium	7.0	0.19	0.62		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Cobalt	3.8	0.043	0.14		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Copper	71	0.43	1.4		1	mg/kg		07/14/05	SW846 3051	SW846 6020 - >5xMB;
Iron	8200	45	150		5	mg/kg		07/14/05	SW846 3051	SW846 6020 - >5xMB
Lead	16	0.19	0.64		1	mg/kg		07/14/05	SW846 3051	SW846 6020 - >5xMB
Magnesium	1200	5.0	17		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Manganese	140	0.10	0.34		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Mercury	0.18	0.0045	0.015		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Nickel	7.7	0.23	0.76		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Potassium	250	8.6	29		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Selenium	1.4	0.54	1.8		1	mg/kg	J	07/14/05	SW846 3051	SW846 6020
Silver	0.11	0.050	0.17		1	mg/kg	J	07/18/05	SW846 3050B	SW846 6020
Sodium	56	29	97		1	mg/kg	J	07/14/05	SW846 3051	SW846 6020
Thallium	0.10	0.024	0.080		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Vanadium	13	0.040	0.13		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Zinc	69	2.7	9.1		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Percent Solids	27.8				1	%		07/01/05	SM M2540G	SM M2540G

(1) MS/MSD RPD High

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 7

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-009

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	1100	1.7	5.5		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Antimony	0.077	0.058	0.19		1	mg/kg	~~Q~~ J	07/18/05	SW846 3050B	SW846 6020
Arsenic	0.49	0.047	0.16		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	6.4	0.043	0.14		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Beryllium	0.084	0.013	0.042		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cadmium	0.055 ~~0.052~~	0.017	0.055		1	mg/kg	~~QA~~ U	07/15/05	SW846 3051	SW846 6020 - MB Count
Calcium	570	14	47		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	3.4	0.066	0.22		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	1.0	0.015	0.051		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	2.9	0.15	0.51		1	mg/kg	~~A~~ non C	07/15/05	SW846 3051	SW846 6020 - >5xMB
Iron	2500	3.2	11		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Lead	2.3	0.067	0.22		1	mg/kg	~~A~~ none	07/15/05	SW846 3051	SW846 6020 - >5xMB
Magnesium	510	1.8	5.9		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	26	0.036	0.12		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.025	0.0017	0.0055		1	mg/Kg	J	07/15/05	SW846 7471A	SW846 7471A - FOUP 750%
Nickel	2.2	0.080	0.27		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	160	3.0	10		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	0.19	0.19	0.63		1	mg/kg	U	07/15/05	SW846 3051	SW846 6020
Silver	0.036	0.017	0.056		1	mg/kg	~~Q~~ J	07/18/05	SW846 3050B	SW846 6020
Sodium	29	10	34		1	mg/kg	~~Q~~ J	07/15/05	SW846 3051	SW846 6020 - FOUP 750%
Thallium	0.0085	0.0085	0.028		1	mg/kg	U	07/15/05	SW846 3051	SW846 6020
Vanadium	7.1	0.014	0.047		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	8.8	0.96	3.2		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	75.7				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 3

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-010

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	2100	3.4	11		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Antimony	0.45	0.12	0.42		1	mg/kg		07/18/05	SW846 3050B	SW846 6020
Arsenic	3.3	0.098	0.33		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	35	0.090	0.30		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Beryllium	0.20	0.026	0.088		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cadmium	0.55	0.034	0.11		1	mg/kg	X MOR	07/15/05	SW846 3051	SW846 6020 - >5xMB
Calcium	5400	29	97		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	7.3	0.14	0.46		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	3.4	0.032	0.11		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	43	0.32	1.1		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Iron	5800	6.6	22		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Lead	20	0.14	0.47		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Magnesium	1100	3.7	12		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	80	0.074	0.25		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.11	0.0036	0.012		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Nickel	8.0	0.17	0.55		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	240	6.3	21		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	0.70	0.40	1.3		1	mg/kg	Ø J	07/15/05	SW846 3051	SW846 6020
Silver	0.083	0.036	0.12		1	mg/kg	Ø J	07/18/05	SW846 3050B	SW846 6020
Sodium	49	21	71		1	mg/kg	Ø J	07/15/05	SW846 3051	SW846 6020
Thallium	0.079	0.018	0.059		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Vanadium	13	0.029	0.097		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	50	2.0	6.7		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	34.4				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 5

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-011

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	1700	3.6	12		1	mg/kg		07/15/05	SW846 3051	SW846 6020-7 SXMD
Antimony	0.65	0.14	0.46		1	mg/kg		07/18/05	SW846 3050B	SW846 6020
Arsenic	3.5	0.10	0.34		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	35	0.093	0.31		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Beryllium	0.17	0.027	0.091		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cadmium	0.50	0.036	0.12		1	mg/kg	A name	07/15/05	SW846 3051	SW846 6020- >SXMD
Calcium	6000	30	100		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	6.7	0.14	0.48		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	3.7	0.033	0.11		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	40	0.33	1.1		1	mg/kg		07/15/05	SW846 3051	SW846 6020- >SXMB
Iron	6200	6.9	23		1	mg/kg		07/15/05	SW846 3051	SW846 6020- >SX MB
Lead	19	0.15	0.48		1	mg/kg		07/15/05	SW846 3051	SW846 6020- >SX MB
Magnesium	1100	3.8	13		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	78	0.077	0.26		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.15	0.0035	0.012		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Nickel	7.7	0.17	0.58		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	200	6.6	22		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	0.86	0.41	1.4		1	mg/kg	Q J	07/15/05	SW846 3051	SW846 6020
Silver	0.094	0.040	0.13		1	mg/kg	Q J	07/18/05	SW846 3050B	SW846 6020
Sodium	47	22	74		1	mg/kg	Q J	07/15/05	SW846 3051	SW846 6020
Thallium	0.099	0.018	0.061		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Vanadium	11	0.030	0.10		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	54	2.1	6.9		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	35.1				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 8

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-012

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	1800	2.9	9.8		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Antimony	0.18	0.12	0.40		1	mg/kg	J	07/18/05	SW846 3050B	SW846 6020 - FOUP>50%
Arsenic	1.5	0.084	0.28		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	28	0.077	0.26		1	mg/kg	J	07/15/05	SW846 3051	SW846 6020 - FOUP>50%
Beryllium	0.14	0.023	0.075		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cadmium	0.35	0.029	0.098		1	mg/kg	None	07/15/05	SW846 3051	SW846 6020 - >5xMB
Calcium	4200	25	83		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	6.2	0.12	0.39		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	1.9	0.027	0.090		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	23	0.27	0.90		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Iron	3800	5.6	19		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Lead	9.4	0.12	0.40		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Magnesium	800	3.2	11		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	69	0.063	0.21		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.019	0.0033	0.011		1	mg/Kg	J	07/15/05	SW846 7471A	SW846 7471A - FOUP>50%
Nickel	4.7	0.14	0.47		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	240	5.4	18		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	0.45	0.34	1.1		1	mg/kg	J	07/15/05	SW846 3051	SW846 6020 - FOUP>50%
Silver	0.035	0.035	0.12		1	mg/kg	UJ	07/18/05	SW846 3050B	SW846 6020 - FOUP -
Sodium	33	18	61		1	mg/kg	J	07/15/05	SW846 3051	SW846 6020
Thallium	0.038	0.015	0.050		1	mg/kg	J	07/15/05	SW846 3051	SW846 6020 - FOUP>50%
Vanadium	9.0	0.025	0.083		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	35	1.7	5.7		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	38.2				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 1

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-013

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	900	8.0	27		5	mg/kg		07/14/05	SW846 3051	SW846 6020-75xMB
Antimony	0.096	0.059	0.20		1	mg/kg	~~Ø~~ J	07/18/05	SW846 3050B	SW846 6020
Arsenic	0.51	0.045	0.15		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Barium	6.1	0.042	0.14		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Beryllium	0.085	0.012	0.041		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Cadmium	0.091	0.016	0.053		1	mg/kg	~~A~~ U	07/14/05	SW846 3051	SW846 6020 - MB Cont
Calcium	590	14	45		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Chromium	2.4	0.064	0.21		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Cobalt	1.1	0.015	0.049		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Copper	3.4	0.15	0.49		1	mg/kg	~~A~~ none	07/14/05	SW846 3051	SW846 6020 - >5xMB
Iron	2300	15	51		5	mg/kg		07/14/05	SW846 3051	SW846 6020 - >5xMB
Lead	3.6	0.065	0.22		1	mg/kg		07/14/05	SW846 3051	SW846 6020 - >5xMB
Magnesium	520	1.7	5.7		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Manganese	25	0.034	0.11		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Mercury	0.029	0.0015	0.0051		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Nickel	2.2	0.077	0.26		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Potassium	90	2.9	9.8		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Selenium	0.18	0.18	0.61		1	mg/kg	U	07/14/05	SW846 3051	SW846 6020
Silver	0.042	0.017	0.057		1	mg/kg	~~Ø~~ J	07/18/05	SW846 3050B	SW846 6020 - (1)
Sodium	16	9.9	33		1	mg/kg	~~Ø~~ J	07/14/05	SW846 3051	SW846 6020
Thallium	0.011	0.0082	0.027		1	mg/kg	~~Ø~~ J	07/14/05	SW846 3051	SW846 6020
Vanadium	5.0	0.014	0.045		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Zinc	6.5	0.93	3.1		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Percent Solids	81.5				1	%		07/01/05	SM M2540G	SM M2540G

(1) MS/MSD RPD High

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 8 DUP

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-014

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	2000	3.9	13		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB; [redacted]
Antimony	0.36	0.13	0.44		1	mg/kg	~~B~~ J	07/18/05	SW846 3050B	SW846 6020 - FOUP>50%
Arsenic	2.3	0.11	0.37		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	54	0.10	0.34		1	mg/kg	J	07/15/05	SW846 3051	SW846 6020 - FOUP>50%
Beryllium	0.21	0.030	0.10		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cadmium	0.38	0.039	0.13		1	mg/kg	~~A~~ nonC	07/15/05	SW846 3051	SW846 6020 - >5xMB
Calcium	4300	33	110		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	7.6	0.16	0.52		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	2.0	0.036	0.12		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	15	0.36	1.2		1	mg/kg	~~A~~ nonC	07/15/05	SW846 3051	SW846 6020 - >5xMB
Iron	4500	7.5	25		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Lead	13	0.16	0.53		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Magnesium	870	4.2	14		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	77	0.084	0.28		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.044	0.0039	0.013		1	mg/Kg	J	07/15/05	SW846 7471A	SW846 7471A - FOUP>50%
Nickel	5.6	0.19	0.63		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	250	7.2	24		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	0.82	0.45	1.5		1	mg/kg	~~B~~ J	07/15/05	SW846 3051	SW846 6020 - FOUP>50%
Silver	0.038	0.038	0.13		1	mg/kg	~~B~~ J	07/18/05	SW846 3050B	SW846 6020 - FOUP
Sodium	46	24	81		1	mg/kg	~~B~~ J	07/15/05	SW846 3051	SW846 6020
Thallium	0.096	0.020	0.067		1	mg/kg	J	07/15/05	SW846 3051	SW846 6020 - FOUP>50%
Vanadium	11	0.033	0.11		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	35	2.3	7.6		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	32.1				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 7 DUP

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-015

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum	1100	1.5	5.1		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Antimony	0.090	0.063	0.21		1	mg/kg	~~B~~ J	07/18/05	SW846 3050B	SW846 6020
Arsenic	0.41	0.044	0.15		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Barium	5.7	0.040	0.13		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Beryllium	0.078	0.012	0.039		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cadmium	0.058	0.015	0.051		1	mg/kg	A u	07/15/05	SW846 3051	SW846 6020 - MB lmt
Calcium	520	13	43		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Chromium	3.7	0.062	0.21		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Cobalt	1.1	0.014	0.047		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Copper	2.7	0.14	0.47		1	mg/kg	A MAL	07/15/05	SW846 3051	SW846 6020 - >5xMB
Iron	2600	3.0	9.9		1	mg/kg		07/15/05	SW846 3051	SW846 6020 - >5xMB
Lead	1.9	0.063	0.21		1	mg/kg	A MAL	07/15/05	SW846 3051	SW846 6020 - >5xMB
Magnesium	720	1.7	5.5		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Manganese	27	0.033	0.11		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Mercury	0.014	0.0016	0.0054		1	mg/Kg	J	07/15/05	SW846 7471A	SW846 7471A - FDUP>50%
Nickel	2.2	0.075	0.25		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Potassium	120	2.8	9.5		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Selenium	~~<~~ 0.18	0.18	0.59		1	mg/kg	u	07/15/05	SW846 3051	SW846 6020
Silver	0.047	0.018	0.061		1	mg/kg	~~B~~ J	07/18/05	SW846 3050B	SW846 6020
Sodium	17	9.6	32		1	mg/kg	~~B~~ J	07/15/05	SW846 3051	SW846 6020 - FDUP>50%
Thallium	~~<~~ 0.0079	0.0079	0.026		1	mg/kg	u	07/15/05	SW846 3051	SW846 6020
Vanadium	6.2	0.013	0.043		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Zinc	6.8	0.90	3.0		1	mg/kg		07/15/05	SW846 3051	SW846 6020
Percent Solids	76.8				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : MB1860987

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-016

INORGANICS

Test		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Aluminum		1.3	1.3	4.3		1	mg/kg	Ø J	07/14/05	SW846 3051	SW846 6020 - MB Cont
Antimony	<	0.048	0.048	0.16		1	mg/kg	U	07/18/05	SW846 3050B	SW846 6020
Arsenic	<	0.037	0.037	0.12		1	mg/kg	U	07/14/05	SW846 3051	SW846 6020
Barium	<	0.034	0.034	0.11		1	mg/kg	U	07/14/05	SW846 3051	SW846 6020
Beryllium	<	0.010	0.010	0.033		1	mg/kg	U	07/14/05	SW846 3051	SW846 6020
Cadmium		0.039	0.013	0.043		1	mg/kg	Ø U	07/14/05	SW846 3051	SW846 6020 - MB Cont
Calcium	<	11	11	37		1	mg/kg	U	07/14/05	SW846 3051	SW846 6020
Chromium	<	0.052	0.052	0.17		1	mg/kg	U	07/14/05	SW846 3051	SW846 6020
Cobalt	<	0.012	0.012	0.040		1	mg/kg	U	07/14/05	SW846 3051	SW846 6020
Copper		0.38	0.12	0.40		1	mg/kg	Ø J	07/14/05	SW846 3051	SW846 6020 - MB Cont
Iron		6.5	2.5	8.3		1	mg/kg	Ø J	07/14/05	SW846 3051	SW846 6020 - MB Cont
Lead		0.13	0.053	0.18		1	mg/kg	Ø J	07/14/05	SW846 3051	SW846 6020 - MB Cont
Magnesium	<	1.4	1.4	4.7		1	mg/kg	U	07/14/05	SW846 3051	SW846 6020
Manganese	<	0.028	0.028	0.093		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Mercury	<	0.0012	0.0012	0.0042		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Nickel	<	0.063	0.063	0.21		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Potassium	<	2.4	2.4	8.0		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Selenium	<	0.15	0.15	0.50		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Silver	<	0.014	0.014	0.047		1	mg/kg		07/18/05	SW846 3050B	SW846 6020
Sodium	<	8.1	8.1	27		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Thallium	<	0.0067	0.0067	0.022		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Vanadium	<	0.011	0.011	0.037		1	mg/kg		07/14/05	SW846 3051	SW846 6020
Zinc	<	0.76	0.76	2.5		1	mg/kg		07/14/05	SW846 3051	SW846 6020

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : WEST BEARSKIN

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/20/05
Lab Sample Number : 860987-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Mercury	0.097	0.0065	0.022		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Percent Solids	19.2				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 11

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/20/05
Lab Sample Number : 860987-003

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Mercury	0.015	0.0036	0.012		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Percent Solids	34.4				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 9

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/20/05
Lab Sample Number : 860987-005

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Mercury	0.0067	0.0023	0.0077		1	mg/Kg	~~Ø~~ J	07/15/05	SW846 7471A	SW846 7471A
Percent Solids	54.0				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 6

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/20/05
Lab Sample Number : 860987-007

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Mercury	0.14	0.0031	0.010		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Percent Solids	40.3				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 7

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/20/05
Lab Sample Number : 860987-009

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Mercury	0.025	0.0017	0.0055		1	mg/Kg	J	07/15/05	SW846 7471A	SW846 7471A -Fail 75%
Percent Solids	75.7				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 5

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/20/05
Lab Sample Number : 860987-011

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Mercury	0.15	0.0035	0.012		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Percent Solids	35.1				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 1

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/20/05
Lab Sample Number : 860987-013

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Mercury	0.029	0.0015	0.0051		1	mg/Kg		07/15/05	SW846 7471A	SW846 7471A
Percent Solids	81.5				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 7 DUP

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/20/05
Lab Sample Number : 860987-015

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Mercury	0.014	0.0016	0.0054		1	mg/Kg	J	07/15/05	SW846 7471A	SW846 7471A - FOUR 7506
Percent Solids	76.8				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

S-F ANALYTICAL LABORATORIES, INC.

A Subsidiary of Sommer-Frey Laboratories, Inc.

Pace Analytical Services, Inc.
Attn: Eric Bullock
1241 Bellevue Street
Green Bay, WI 54302

Received Date: 7/1/05
Report Date: 7/6/05

- Analytical Results -

Lab #: 05A4841-001 Sample ID: 860987-001

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
Total Solids	18.08	% wt.	0.01	0.032	7/6/05	GGG	160.3	1
Sulfide	1655	mg/Kg	10	32	7/5/05	GGG	376.2	1

Lab #: 05A4841-002 Sample ID: 860987-002

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
Total Solids	77.89	% wt.	0.01	0.032	7/6/05	GGG	160.3	1
Sulfide	14	mg/Kg	10	32	7/5/05	GGG	376.2	1

Lab #: 05A4841-003 Sample ID: 860987-003

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
Total Solids	33.08	% wt.	0.01	0.032	7/6/05	GGG	160.3	1
Sulfide	383	mg/Kg	10	32	7/5/05	GGG	376.2	1

Lab #: 05A4841-004 Sample ID: 860987-004

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
Total Solids	74.41	% wt.	0.01	0.032	7/6/05	GGG	160.3	1
Sulfide	33	mg/Kg	10	32	7/5/05	GGG	376.2	1

Lab #: 05A4841-005 Sample ID: 860987-005

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
Total Solids	43.43	% wt.	0.01	0.032	7/6/05	GGG	160.3	1
Sulfide	182	mg/Kg	10	32	7/5/05	GGG	376.2	1

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- Analytical Results -

Lab #: 05A4841-012 Sample ID: 860987-012

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
Total Solids	39.44	% wt.	0.01	0.032	7/6/05	GGG	160.3	1
Sulfide	272	mg/Kg	10	32	7/6/05	GGG	376.2	1

Lab #: 05A4841-013 Sample ID: 860987-013

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
Total Solids	78.68	% wt.	0.01	0.032	7/6/05	GGG	160.3	1
Sulfide	31	mg/Kg	10	32	7/6/05	GGG	376.2	1

Lab #: 05A4841-014 Sample ID: 860987-014

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
Total Solids	40.34	% wt.	0.01	0.032	7/6/05	GGG	160.3	1
Sulfide	228	mg/Kg	10	32	7/6/05	GGG	376.2	1

Lab #: 05A4841-015 Sample ID: 860987-015

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
Total Solids	77.21	% wt.	0.01	0.032	7/6/05	GGG	160.3	1
Sulfide	31	mg/Kg	10	32	7/6/05	GGG	376.2	1

Note: All results, except Total Solids, are reported on the dry weight basis.

FLAG	Comment
1	All laboratory QC requirements were met for this sample.

Gary G. Geipel
Senior Analyst

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• USDA Accredited Laboratory #5581 • NIOSH Proficiency Analytical Testing Program •

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : WEST BEARSKIN

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.29	0.29	0.98		1	mg/kg	U	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	19.2				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 12

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.071	0.071	0.24		1	mg/kg	U	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	83.4				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 11

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-003

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.16	0.16	0.55		1	mg/kg	UA	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	34.4				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 10

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-004

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.070	0.070	0.23		1	mg/kg	U	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	73.6				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 9

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-005

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.12	0.12	0.38		1	mg/kg		07/06/05	SW846 9012A	SW846 9012A
Percent Solids	54.0				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 2

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-006

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.15	0.15	0.50		1	mg/kg		07/06/05	SW846 9012A	SW846 9012A
Percent Solids	30.4				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 6

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-007

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.14	0.14	0.47		1	mg/kg		07/06/05	SW846 9012A	SW846 9012A
Percent Solids	40.3				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 4

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-008

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	
Cyanide, Total	0.20	0.20	0.68		1	mg/kg	~~N~~ J	07/06/05	SW846 9012A	SW846 9012A	MS/MSD L
Percent Solids	27.8				1	%		07/01/05	SM M2540G	SM M2540G	

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 7

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-009

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.063	0.063	0.21		1	mg/kg	u	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	75.7				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 3

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-010

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	< 0.16	0.16	0.52		1	mg/kg	U	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	34.4				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical
`ervices, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 5

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-011

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.17	0.17	0.56		1	mg/kg	U	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	35.1				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 8

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-012

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	k 0.16	0.16	0.54		1	mg/kg	U	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	38.2				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 1

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-013

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	f 0.066	0.066	0.22		1	mg/kg	U	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	81.5				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 8 DUP

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-014

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.19	0.19	0.64		1	mg/kg	U	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	32.1				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 7 DUP

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-015

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cyanide, Total	0.070	0.070	0.23		1	mg/kg	U	07/06/05	SW846 9012A	SW846 9012A
Percent Solids	76.8				1	%		07/01/05	SM M2540G	SM M2540G

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : MB1860987

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-016

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	< 31	31	100		1	mg/kg	U	07/13/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 7 DUP

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-015

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	3300	68	230		1	mg/kg		07/12/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 8 DUP

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-014

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	490000	12000	41000		1	mg/kg	J	07/12/05	SW846 M9060	SW846 M9060 -FOUP75

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 1

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-013

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	4600	240	790		1	mg/kg		07/12/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 8

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-012

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	
TOC as NPOC	280000	12000	41000		1	mg/kg	J	07/12/05	SW846 M9060	SW846 M9060	- FOUP >50%

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 5

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-011

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	250000	6100	20000		1	mg/kg		07/12/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 3

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-010

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	400000	12000	41000		1	mg/kg		07/12/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 7

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-009

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	3700	110	370		1	mg/kg		07/11/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 4

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-008

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	
TOC as NPOC	420000	12000	41000		1	mg/kg	~~N~~ J	07/13/05	SW846 M9060	SW846 M9060	MS/MSD low

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 6

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-007

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	95000	2500	8200		1	mg/kg		07/11/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 2

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-006

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	420000	12000	41000		1	mg/kg		07/11/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 9

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-005

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	58000	1900	6300		1	mg/kg		07/11/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 10

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-004

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	1300	30	100		1	mg/kg		07/11/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 11

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-003

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	280000	9200	31000		1	mg/kg		07/11/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
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920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 12

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	320	31	100		1	mg/kg		07/11/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
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920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : WEST BEARSKIN

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 08/01/05
Lab Sample Number : 860987-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
TOC as NPOC	70000	2000	6800		1	mg/kg		07/11/05	SW846 M9060	SW846 M9060

All soil results are reported on a dry weight basis unless otherwise noted.

Data Assessment Report
Sample Delivery Group 860987
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Pace Analytical, Kimberly, Wisconsin performed the analyses for this project. The parameter group and test methods were as follows:

- Polycyclic Aromatic Hydrocarbons (PAHs) – by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM) SW846[1] Method 8270C
- Percent Solids[2]

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)
- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Field replicate/duplicate results and comparison to data review criteria

[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996. Revised April 1998.
[2] Mult-Media, Multi-Concentration SOW for Organic Analytical Service, USEPA CLP OLM04.2/4.3.

- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USEABILITY

Most analytical results are useable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No results were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analysis using the analytical test method listed in Section I.

2. Sample Receipt – Fifteen soil samples were submitted to the laboratory. This report contains the results for the PAHs only. The rest of the analyses listed on the COC were performed by the following laboratories: Green Bay Lab, Green Bay, Wisconsin (cyanide, mercury, and percent solids) and Kimberly Laboratory, Kimberly, Wisconsin (metals, SVOCs-Special List, and TOC as NPOC). The sample temperatures at the time of receipt were within the recommended temperature range of 4°C±2°C. Samples were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The laboratory logged all samples with this date.

3. Holding Times – The laboratory extracted all of the samples within the recommended hold time. However, due to surrogate recoveries outside the control limits, sample SQT 10 was re-extracted and re-analyzed. The re-extraction was performed past the hold time. Since the initial analysis results were acceptable regardless of the surrogate exceedances, these results were kept into the database and the re-analysis results were qualified as estimated (J or UJ) and discarded.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting, dilution factor, units of measure, analytical batch number, and date of the analysis. A "<" flag was used by the laboratory for non-detect results. A "Q" flag was used by the laboratory to indicate results that were greater than the method detection limits (MDL) but below the reporting limits (RL). For consistency, URS revised all "Q" qualifiers to "J" to indicate estimated data. A "B" qualifier was used to indicate method blank contamination. A "&" qualifier was used to indicate LCS percent recovery (%R) outside control limits. URS removed the "&" qualifier and replaced it with a "J/UJ" where applicable. An "N" qualifier indicates MS/MSD %R outside control limits. An "H" qualifier was used to indicate analysis past the hold time. Positive and non-detect results where QC criteria were not met were qualified as estimated "J" or "UJ", respectively. A "D" qualifier was used by the laboratory to indicate concentrations identified from analysis of the sample at a secondary dilution. The "D" was removed by URS, as it is not applicable per project requirements.

5. Sample Traceability – The laboratory specified an analytical Batch identification number for all analyses. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The compound phenanthrene was detected in the laboratory blank MB1860987 at a concentration (0.72 µg/Kg) that affected the associated project sample result (the result was less than five times the method blank result). The result for phenanthrene was revised to non-detect (U) at the reporting limit. Additionally, fluoranthene was detected at a concentration that did not impact the sample results due to sample concentration greater than five times the method blank concentration.

7. Laboratory Control Samples (LCSs) – The LCS %R for benzo(a)anthracene in extraction batch from 07/07/05 exceeded the upper control. The positive result for this compound in sample SQT 10 was qualified as estimated (J). The %Rs for anthracene and benzo(a)pyrene in extraction batch from 07/12/05 were below the control limits. The results for these compounds were qualified as estimated (J or UJ) in all other samples.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Samples SQT 4 and SQT 1 were submitted for MS/MSD analyses. However, the laboratory selected project sample SQT 10 only for PAH MS/MSD analyses. The %R for 1-methylphenanthrene was below the laboratory acceptance limit. The result was qualified as estimated (J). The relative percent differences (RPD) for detected chemicals were within acceptable control limit.

9. Laboratory (Method) Duplicates (MDs) – The laboratory did not select a project sample for method duplicate analysis.

10. Field Duplicates – Samples SQT 7DUP and SQT 8DUP were submitted as field duplicates. The RPDs were comparable for most of the compounds with the exception of naphthalene for SQT 7DUP and perylene for SQT 8DUP. The RPDs for these compounds exceeded the acceptance criteria of 50 percent; therefore, the results were qualified as estimated in the original samples and the field duplicates.

11. Field QC Samples – No equipment blanks/trip blanks were submitted for analysis with this SDG.

12. Surrogates – Sample SQT 10 had one surrogate exceeding the upper control limit. The sample was re-extracted and re-analyzed due to this exceedance. The re-extraction was performed past the recommended hold time. Since no qualification is required when one out of three surrogates is outside the control limits, the original results were kept in the report and the re-analysis results were discarded. Samples SQT 5 and SQT 1 also had one out of three surrogates above the upper control limit. No qualification of results was required. Additionally, samples SQT 4DL, SQT 7DUPDL, SQT 8DUPDL, and SQT 1DL each had one surrogate below the control limits. All these samples were diluted prior to analyses, and therefore, control limits were no longer applicable. No qualification was required for these samples.

13. Internal Standards – The internal standards areas were within the acceptance criteria for all samples.

14. Dilutions – Dilutions were required for the following project samples:

Sample IDs	Dilution Factor
SQT 11	5
SQT 2	10
SQT 6	5
SQT 4	5
SQT 4 (pyrene)	10
SQT 7	10
SQT 7 (acenaphthene, benzo(a)anthracene, fluoranthene, phenanthrene, pyrene)	50
SQT 3	10
SQT 5	20
SQT 8	10
SQT 8 (1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, naphthalene)	100
SQT 1	400
SQT 1 (1-methylnaphthalene, 2,3,5-trimethylnaphthalene, acenaphthylene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, benzo(k)fluoranthene, indeno(1,2,3-cd)pyrene, perylene)	20
SQT 8DUP	10
SQT 8DUP (1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, naphthalene)	50
SQT 7DUP	10
SQT 7DUP (acenaphthene,	50

Sample IDs	Dilution Factor
benzo(a)anthracene, fluoranthene, phenanthrene, pyrene)	

Consequently, sample quantitation limits were elevated proportionately for these samples. Additionally, the soil samples results were adjusted for percent moisture content.

15. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

Table 1
Qualifiers for SDG 860987

Sample Identifications	Sample Analyses	Data Qualifiers [1]
West Bearskin (860987-001)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (UJ) due to LCS %R below the laboratory control limits.
SQT 12 (860987-002)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (UJ) due to LCS %R below the laboratory control limits.
SQT 11 (860987-003)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits.
SQT 10 (860987-004)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits. ▪ The result for phenanthrene was revised to non-detect due to method blank contamination. ▪ The laboratory B-flag (indicating the compound was detected in the blank) was removed for fluoranthene since the amount attributable to the laboratory contamination was negligible (sample concentration was > 5x the blank concentration).
SQT 9 (860987-005)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (UJ) due to LCS %R below the laboratory control limits.
SQT 2 (860987-006)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits.
SQT 6 (860987-007)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits.
SQT 4 (860987-008)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits.
SQT 7 (860987-009)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits. ▪ The result for naphthalene was qualified as estimated (J) due to field duplicate RPD greater than 50 percent.
SQT 3 (860987-010)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits.
SQT 5 (860987-011)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits.

Table 1
Qualifiers for SDG 860987

Sample Identifications	Sample Analyses	Data Qualifiers [1]
SQT 8 (860987-012)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits. ▪ The result for perylene was qualified as estimated (J) due to field duplicate RPD greater than 50 percent.
SQT 1 (860987-013)	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits.
SQT 8DUP (860987-014) *Field Duplicate*	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits. ▪ The result for perylene was qualified as estimated (J) due to field duplicate RPD greater than 50 percent.
SQT 7DUP (860987-015) *Field Duplicate*	PAHs	▪ The results for anthracene and benzo(a)pyrene were qualified as estimated (J) due to LCS %R below the laboratory control limits. ▪ The result for naphthalene was qualified as estimated (J) due to field duplicate RPD greater than 50 percent.
SQT 10 RE (860987-017)	PAHs	▪ All results were qualified as estimated (J or UJ) due to analysis past the recommended hold time. ▪ All results were removed from the database and the original results were kept in the final report.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.
[1] All results shown with a "<" were revised to a "U" qualifier to indicate non-detected data.

ATTACHMENT 1
(Data Summary Sheets)

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : WEST BEARSKIN

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	19.2				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 2.8 U	2.8	9.4		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	< 1.4 U	1.4	4.5		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	< 2.1 U	2.1	7.1		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	< 2.8 U	2.8	9.2		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	< 3.0 U	3.0	9.9		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Acenaphthene	< 2.4 U	2.4	7.9		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Acenaphthylene	< 2.4 U	2.4	8.0		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Anthracene	< 2.3 UJ*	2.3	7.6		1	ug/Kg	&	07/14/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	< 2.8 U	2.8	9.3		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	< 3.5 UJ*	3.5	12		1	ug/Kg	&	07/14/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	< 2.2 U	2.2	7.4		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	< 1.4 U	1.4	4.6		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	< 1.7 U	1.7	5.7		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	< 1.7 U	1.7	5.7		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Chrysene	< 1.4 U	1.4	4.7		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	< 1.5 U	1.5	5.1		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluoranthene	9.1	1.3	4.3		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluorene	< 2.0 U	2.0	6.7		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 1.4 U	1.4	4.6		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Naphthalene	3.5 J'	3.2	11		1	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Perylene	25	4.2	14		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Phenanthrene	8.0	1.4	4.6		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Pyrene	7.7	2.1	7.1		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM

* LCS %R < CL
(' Estimated data < LOQ)

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 12

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	83.4				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 0.65 U	0.65	2.2		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	< 0.31 U	0.31	1.0		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	< 0.49 U	0.49	1.6		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	< 0.64 U	0.64	2.1		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	< 0.68 U	0.68	2.3		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Acenaphthene	< 0.54 U	0.54	1.8		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Acenaphthylene	< 0.55 U	0.55	1.8		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Anthracene	< 0.52 UJ	0.52	1.7		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	< 0.64 U	0.64	2.1		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	< 0.81 UJ	0.81	2.7		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	< 0.51 U	0.51	1.7		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	< 0.32 U	0.32	1.1		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	< 0.39 U	0.39	1.3		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	< 0.40 U	0.40	1.3		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Chrysene	< 0.32 U	0.32	1.1		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	< 0.35 U	0.35	1.2		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluoranthene	1.5	0.30	1.0		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluorene	< 0.46 U	0.46	1.5		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.32 U	0.32	1.1		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Naphthalene	< 0.72 U	0.72	2.4		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Perylene	< 0.96 U	0.96	3.2		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Phenanthrene	1.5	0.32	1.1		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Pyrene	1.4 J	0.49	1.6		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 11

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-003

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	34.4				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	30	7.9	26		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	82	3.8	13		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	26	5.9	20		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	25 J	7.7	26		5	ug/Kg	a	07/15/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	35	8.3	28		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Acenaphthene	14 J	6.6	22		5	ug/Kg	a	07/15/05	SW846 3550B	8270C-SIM
Acenaphthylene	56	6.7	22		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Anthracene	120 J *	6.3	21		5	ug/Kg	a	07/15/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	380	7.8	26		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	310 J *	9.8	33		5	ug/Kg	a	07/15/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	200	6.2	21		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	150	3.8	13		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	180	4.7	16		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	230	4.8	16		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Chrysene	330	3.9	13		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	17	4.3	14		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Fluoranthene	600	3.6	12		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Fluorene	74	5.6	19		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	170	3.9	13		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Naphthalene	41	8.8	29		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Perylene	58	12	39		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Phenanthrene	670	3.9	13		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Pyrene	720	5.9	20		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 10

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-004

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	73.6				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/07/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	0.79 J (1)	0.49	1.6		1	ug/Kg	~~a~~	07/11/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	< 0.23 U	0.23	0.78		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	< 0.37 U	0.37	1.2		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	< 0.48 U	0.48	1.6		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	1.1 J	0.52	1.7		1	ug/Kg	~~a~~	07/11/05	SW846 3550B	8270C-SIM
Acenaphthene	0.55 J	0.41	1.4		1	ug/Kg	~~a~~	07/11/05	SW846 3550B	8270C-SIM
Acenaphthylene	< 0.42 U	0.42	1.4		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM
Anthracene	0.58 J	0.39	1.3		1	ug/Kg	~~a~~	07/11/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	1.7 J*	0.48	1.6		1	ug/Kg	~~a~~	07/11/05	SW846 3550B	8270C-SIM (J) LSC
Benzo(a)pyrene	2.0 J	0.61	2.0		1	ug/Kg	~~a~~	07/11/05	SW846 3550B	8270C-SIM %R > a
Benzo(b)fluoranthene	1.5	0.39	1.3		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	1.1	0.24	0.80		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	4.3	0.30	0.98		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	1.3	0.30	1.0		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM
Chrysene	1.9	0.24	0.81		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	0.36 J	0.27	0.89		1	ug/Kg	~~a~~	07/11/05	SW846 3550B	8270C-SIM
Fluoranthene	2.7	0.23	0.75		1	ug/Kg	~~B~~ (2)	07/11/05	SW846 3550B	8270C-SIM & B removed
Fluorene	0.51	0.35	1.2		1	ug/Kg	~~a~~	07/11/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	1.3	0.24	0.81		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM
Naphthalene	1.1	0.55	1.8		1	ug/Kg	~~a~~	07/11/05	SW846 3550B	8270C-SIM
Perylene	1.2	0.72	2.4		1	ug/Kg	~~a~~	07/11/05	SW846 3550B	8270C-SIM
Phenanthrene	3.0 U	0.24	0.80		1	ug/Kg	B (3)	07/11/05	SW846 3550B	8270C-SIM (U) MB CONT.
Pyrene	5.6	0.37	1.2		1	ug/Kg		07/11/05	SW846 3550B	8270C-SIM

(1) MS/MSD %R LOW

(2) The "B" flag was removed since the sample concentr. was > 5x method blank concentration.

(3) The "B" flag was revised to a "U" due to method blank contam.

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 860987

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 9

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-005

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	54.0				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	2.4 J	1.0	3.3		1	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	39	0.48	1.6		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	< 0.75 U	0.75	2.5		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	< 0.99 U	0.99	3.3		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	3.3 J	1.1	3.5		1	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Acenaphthene	1.5 J	0.84	2.8		1	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Acenaphthylene	2.9	0.85	2.8		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Anthracene	< 0.81 UJ	0.81	2.7		1	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	< 0.99 U	0.99	3.3		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	< 1.3 UJ	1.3	4.2		1	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	2.8	0.79	2.6		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	< 0.49 U	0.49	1.6		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	< 0.60 U	0.60	2.0		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	2.4	0.61	2.0		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Chrysene	2.4	0.50	1.7		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	< 0.54 U	0.54	1.8		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluoranthene	5.2	0.46	1.5		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluorene	1.5 J	0.72	2.4		1	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.50 U	0.50	1.7		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Naphthalene	7.2	1.1	3.7		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Perylene	< 1.5 U	1.5	4.9		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Phenanthrene	8.1	0.49	1.6		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Pyrene	< 0.76 U	0.76	2.5		1	ug/Kg		07/14/05	SW846 3550B	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 2

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-006

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	30.4				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	35 J	18	59		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	58	8.5	28		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	14 J	13	45		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	27 J	17	58		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	47 J	19	62		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Acenaphthene	47 J	15	50		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Acenaphthylene	96	15	50		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Anthracene	71 J*	14	48		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	340	18	59		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	370 J*	22	74		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	200	14	47		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	190	8.7	29		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	270	11	36		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	220	11	36		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Chrysene	290	8.8	29		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	19 J	9.7	32		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Fluoranthene	340	8.2	27		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluorene	32 J	13	43		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	180	8.8	29		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Naphthalene	61 J	20	66		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Perylene	58 J	26	87		10	ug/Kg	a	07/14/05	SW846 3550B	8270C-SIM
Phenanthrene	230	8.7	29		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Pyrene	510	13	45		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 6

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-007

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	40.3				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	15 J	6.7	22		5	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	16	3.2	11		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	6.2 J	5.0	17		5	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	12 J	6.6	22		5	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	24	7.1	24		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Acenaphthene	12 J	5.6	19		5	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
Acenaphthylene	98	5.7	19		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Anthracene	42 J*	5.4	18		5	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	230	6.6	22		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	280 J*	8.4	28		5	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	180	5.3	18		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	170	3.3	11		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	210	4.0	13		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	190	4.1	14		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Chrysene	210	3.3	11		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	18	3.6	12		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluoranthene	220	3.1	10		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluorene	14 J	4.8	16		5	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	160	3.3	11		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Naphthalene	18 J	7.5	25		5	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
Perylene	52	9.9	33		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Phenanthrene	120	3.3	11		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Pyrene	310	5.1	17		5	ug/Kg		07/14/05	SW846 3550B	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 4

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-008

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	27.8				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	100	9.8	33		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	120	4.7	16		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	47	7.3	24		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	120	9.6	32		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	160	10	34		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Acenaphthene	180	8.1	27		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Acenaphthylene	440	8.3	28		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Anthracene	290 J*	7.8	26		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	1700	9.6	32		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	2100 J*	12	41		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	970	7.7	26		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	950	4.8	16		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	990	5.9	20		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	1100	5.9	20		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Chrysene	1500	4.8	16		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	91	5.3	18		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Fluoranthene	1200	4.5	15		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Fluorene	110	7.0	23		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	860	4.8	16		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Naphthalene	170	11	36		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Perylene	280	14	48		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Phenanthrene	620	4.8	16		5	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Pyrene	2900	15	49		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 7

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-009

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	75.7				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	540	7.2	24		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	440	3.4	11		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	180	5.4	18		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	830	7.0	23		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	690	7.5	25		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Acenaphthene	1700	30	99		50	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Acenaphthylene	290	6.1	20		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Anthracene	1400 J*	5.7	19		10	ug/Kg	&	07/14/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	1300	35	120		50	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	1500 J*	8.9	30		10	ug/Kg	&	07/14/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	620	5.6	19		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	670	3.5	12		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	760	4.3	14		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	770	4.4	15		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Chrysene	1200	3.5	12		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	50	3.9	13		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluoranthene	2900	16	55		50	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Fluorene	1100	5.1	17		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	570	3.5	12		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Naphthalene	110 J(1)	8.0	27		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Perylene	190	11	35		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Phenanthrene	4700	18	58		50	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Pyrene	4300	27	90		50	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM

(1) F. Duplicate RPD > 50%

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 3

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-010

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	34.4				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	120	16	53		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	160	7.5	25		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	30 J	12	39		10	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	180	15	51		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	190	17	55		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Acenaphthene	250	13	44		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Acenaphthylene	580	13	45		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Anthracene	440 J*	13	42		10	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	1800	16	52		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	2500 J*	20	66		10	ug/Kg	Q	07/14/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	1200	12	41		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	1100	7.7	26		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	1400	9.5	32		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	1300	9.6	32		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Chrysene	1600	7.8	26		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	120	8.5	28		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluoranthene	1500	7.2	24		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Fluorene	180	11	38		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	1100	7.8	26		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Naphthalene	190	18	58		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Perylene	320	23	77		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Phenanthrene	800	7.7	26		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM
Pyrene	3100	12	40		10	ug/Kg		07/14/05	SW846 3550B	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 5

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-011

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	35.1				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	290	31	100		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	410	15	49		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	180	23	77		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	450	30	100		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	410	32	110		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Acenaphthene	790	26	86		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Acenaphthylene	890	26	88		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Anthracene	1100 J*	25	83		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	3300	31	100		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	3700 J*	39	130		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	1900	24	81		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	1700	15	50		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	2000	19	62		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	2100	19	63		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Chrysene	2800	15	51		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	160	17	56		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Fluoranthene	3400	14	47		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Fluorene	490	22	74		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	1600	15	51		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Naphthalene	400	34	110		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Perylene	480	45	150		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Phenanthrene	2700	15	51		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Pyrene	6400	23	78		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 8

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-012

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	38.2				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	16000	140	470		100	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	93	6.8	23		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	200	11	35		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	2200	14	46		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	19000	150	500		100	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM
Acenaphthene	7300	120	390		100	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM
Acenaphthylene	160	12	40		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Anthracene	300 J*	11	38		10	ug/Kg	~~&~~	07/15/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	260	14	47		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	250 J*	18	59		10	ug/Kg	~~&~~	07/15/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	160	11	37		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	140	6.9	23		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	190	8.5	28		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	170	8.6	29		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Chrysene	250	7.0	23		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	15 J	7.7	26		10	ug/Kg	~~Q~~	07/15/05	SW846 3550B	8270C-SIM
Fluoranthene	340	6.5	22		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Fluorene	1900	10	34		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	140	7.0	23		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Naphthalene	19000	160	530		100	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM
Perylene	46 J(1)	21	70		10	ug/Kg	~~Q~~	07/15/05	SW846 3550B	8270C-SIM
Phenanthrene	1800	7.0	23		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Pyrene	650	11	36		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM

(1) F. Duplicate RPD > 50%

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 1

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-013

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	81.5				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	14000	270	890		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	1600	6.4	21		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	1100	10	33		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	7200	260	870		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	24000	280	930		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Acenaphthene	21000	220	740		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Acenaphthylene	1200	11	38		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Anthracene	8000	J* 210	710		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	4600	260	880		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	4100	J* 330	1100		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	1800	10	35		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	2200	6.5	22		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	2300	8.0	27		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	2400	8.1	27		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Chrysene	4200	130	440		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	160	7.2	24		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Fluoranthene	11000	120	410		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Fluorene	7800	190	630		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	1700	6.6	22		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Naphthalene	15000	300	990		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Perylene	580	20	65		20	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Phenanthrene	31000	130	430		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Pyrene	18000	200	670		400	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 8 DUP

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-014

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	32.1				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	11000	84	280		50	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	85	8.1	27		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	150	13	42		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	1600	17	55		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	13000	89	300		50	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Acenaphthene	5500	70	230		50	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Acenaphthylene	110	14	48		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Anthracene	310 J*	14	45		10	ug/Kg	&	07/15/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	210	17	56		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	190 J*	21	70		10	ug/Kg	&	07/15/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	110	13	44		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	100	8.2	27		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	140	10	34		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	130	10	34		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Chrysene	200	8.4	28		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	12 J	9.1	30		10	ug/Kg	a	07/15/05	SW846 3550B	8270C-SIM
Fluoranthene	290	7.8	26		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Fluorene	1500	12	40		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	96	8.3	28		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Naphthalene	12000	94	310		50	ug/Kg	D	07/15/05	SW846 3550B	8270C-SIM
Perylene	27 J(1)	25	83		10	ug/Kg	a	07/15/05	SW846 3550B	8270C-SIM
Phenanthrene	1600	8.3	28		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Pyrene	570	13	42		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM

(1) F. Duplicate RPD > 50%

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 7 DUP

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-015

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	76.8				1	%		07/01/05	SM M2540G	SM M2540G

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 07/12/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	400	7.1	24		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	400	3.4	11		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	160	5.3	18		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene	700	6.9	23		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	480	7.4	25		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Acenaphthene	1800	29	98		50	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM
Acenaphthylene	300	6.0	20		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Anthracene	1300 J*	5.7	19		10	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene	1500	35	120		50	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene	1500 J*	8.8	29		10	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene	640	5.5	18		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene	710	3.4	11		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene	760	4.2	14		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene	770	4.3	14		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Chrysene	1300	3.5	12		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene	46	3.8	13		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Fluoranthene	3300	16	54		50	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM
Fluorene	1100	5.0	17		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene	570	3.5	12		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Naphthalene	55 J(4)	7.9	26		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Perylene	190	10	35		10	ug/Kg		07/15/05	SW846 3550B	8270C-SIM
Phenanthrene	5700	17	58		50	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM
Pyrene	4900	27	89		50	ug/Kg	~~D~~	07/15/05	SW846 3550B	8270C-SIM

(4) Field Duplicate RPD > 50%

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

Analytical Report Number: 860987

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND NSP LAKEFRONT
Project Number :
Field ID : SQT 10 RE

Matrix Type : SOIL
Collection Date : 06/28/05
Report Date : 07/28/05
Lab Sample Number : 860987-017

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 07/21/05

Analyte		Result		LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	0.74	UJ	0.74	2.5		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
1-Methylphenanthrene	<	0.35	UJ	0.35	1.2		1	ug/Kg	HN	07/21/05	SW846 3550B	8270C-SIM
2,3,5-Trimethylnaphthalene	<	0.55	UJ	0.55	1.8		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
2,6-Dimethylnaphthalene		0.96	J	0.72	2.4		1	ug/Kg	ØH	07/21/05	SW846 3550B	8270C-SIM
2-Methylnaphthalene	<	0.77	UJ	0.77	2.6		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Acenaphthene	<	0.61	UJ	0.61	2.0		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Acenaphthylene	<	0.63	UJ	0.63	2.1		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Anthracene		0.66	J	0.59	2.0		1	ug/Kg	ØH	07/21/05	SW846 3550B	8270C-SIM
Benzo(a)anthracene		2.6	J	0.73	2.4		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Benzo(a)pyrene		3.5	J	0.92	3.1		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Benzo(b)fluoranthene		3.1	J	0.58	1.9		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Benzo(e)pyrene		1.9	J	0.36	1.2		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Benzo(ghi)perylene		4.6	J	0.44	1.5		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Benzo(k)fluoranthene		3.2	J	0.45	1.5		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Chrysene		3.0	J	0.36	1.2		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Dibenz(a,h)anthracene		1.6	J	0.40	1.3		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Fluoranthene		4.7	J	0.34	1.1		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Fluorene	<	0.53	UJ	0.53	1.8		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Indeno(1,2,3-cd)pyrene		3.1	J	0.36	1.2		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Naphthalene	<	0.82	UJ	0.82	2.7		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Perylene		2.6	J	1.1	3.6		1	ug/Kg	ØH	07/21/05	SW846 3550B	8270C-SIM
Phenanthrene		2.5	J	0.36	1.2		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM
Pyrene		4.2	J	0.56	1.9		1	ug/Kg	H	07/21/05	SW846 3550B	8270C-SIM

All soil results are reported on a dry weight basis unless otherwise noted.

Data Assessment Report
Sample Delivery Group 862259
NSP Lakefront-LSRI Bioassy
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Superfund Site Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Pace Analytical, Kimberly, Wisconsin performed the analyses for this project. The parameter group and test method was as follows:

- Polycyclic Aromatic Hydrocarbons (PAHs) – by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM) SW846[1] Method 8270C

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a validation of all analytical results to assess data quality. A validation includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Agreement of analyses conducted with the chain-of-custody (COC)
- Holding Times/Sample Preservation - review of log-in records for cooler temperature, presence of headspace, chemical preservation, and preparation/extraction logs
- Instrument tuning (GC/MS only)
- Instrument calibrations (initial and continuing)
- Method blank results/laboratory contamination and field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Surrogate recoveries and comparison to laboratory control limits (organic analyses only)
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Internal Standards and comparison to lab criteria (organic analyses only)
- Field replicate/duplicate results and comparison to data review criteria
- Laboratory control sample (LCS) results and comparison to laboratory control limits

[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996. Revised April 1998.

- Quantitation limits, dilutions and analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report
- Interference check samples/ Serial dilutions/Linearity check samples (Metals only)
- Post-digestion spikes (Metals only, if performed)

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1.

III. DATA USEABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents. Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I. The PAHs reported by the laboratory are identified in the QAPP for the project (URS, 2005).

2. Sample Receipt – Twenty water samples were submitted to the laboratory by Lake Superior Research Institute (LSRI). The sample temperature at the time of receipt was not indicated. However, the case narrative indicated the samples were received on ice; therefore, no qualification was needed. Samples were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on August 2 and 3, 2005. The laboratory received the samples on August 4, 2005.

3. Holding Times – The laboratory extracted all of the samples within the recommended hold time.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical results, estimated quantitation limit (EQL), dilution factor, units of measure, and date of the analysis. A "<" qualifier was used by the laboratory to indicate non-detect results less than or equal to the EQL. A "&" qualifier was used when QC results were outside of the QC limits. A "*" qualifier was used for values outside of contract required QC limits. Results where QC criteria were not met were qualified as estimated (J for positive results or UJ for non-detects) by URS.

5. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The method blank results for the PAHs analyses were all non-detect (U). No qualification of data was required.

7. Laboratory Control Samples (LCSs) – All of the LCS percent recoveries (%R) and relative percent differences (RPDs) for the PAH analyses were below the laboratory control limits. All of the results were qualified as estimated (J/UJ).

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Sample O-24HR was submitted for MS/MSD analyses. The %Rs for acenaphthene, naphthalene, 2,6-dimethylnaphthalene, 2-methylnaphthalene, acenaphthylene, 2,3,5-trimethylnaphthalene, fluorene, and 1-methylphenanthrene were below the laboratory acceptance limit. The results were qualified as estimated (J/UJ). The relative percent differences (RPD) for detected chemicals were within acceptable control limit.

9. Laboratory (Method) Duplicates (MDs) – The laboratory did not select any of the project samples for method duplicate analysis (also called replicate sample).

10. Field Duplicates – URS submitted duplicate samples JDUP-0HR, ODUP-0HR, JDUP-2HR, ODUP-2HR, JDUP-4HR, ODUP-4HR, JDUP-8HR, ODUP-8HR, JDUP-24HR, and ODUP-24HR with this SDG. The RPDs were comparable for most of the compounds with the exception of 1-methylnaphthalene, indeno(123-cd)pyrene, and acenaphthene for O DUP-0HR; acenaphthene, benzo(a)anthracene, dibenz(a,h)anthracene, fluoranthene, phenanthrene, pyrene, acenaphthylene, benzo(a)pyrene, and benzo(ghi)perylene for J DUP-4HR; and acenaphthene, 1-methylnaphthalene, dibenz(a,h)anthracene, phenanthrene, and indeno(123-cd)pyrene for O DUP-8HR. The RPDs for these compounds exceeded the acceptance criteria of 30 percent or were not calculated since one of the results was detect and the other was non-detect; therefore, the results were qualified as estimated (J/UJ) in the original samples and the field duplicates.

11. Field QC Samples – No equipment blanks/trip blanks were submitted for analysis with this SDG.

12. Dilutions –No dilutions were necessary for any of the project samples.

13. Surrogates – All PAH surrogate recoveries were within the laboratory limits.

14. Internal Standards (IS) – All PAH internal standard areas were within the laboratory control limits.

15. Initial Calibrations (ICAL) – SW846 guidance states that the mean response factor (mean RF) may be used for quantitation if the relative standard deviation (RSD) of the response factors is less than or equal to 15% for GC/MS (otherwise, a linear or higher order curve should be generated). In general, linear initial calibration curves must have a correlation coefficient (r) of 0.995 or (r^2 equal or greater than 0.990), and higher order curves must have a coefficient of determination (COD) of 0.990 or greater. Initial calibrations that exceed the method criteria result in qualification (J or UJ) or rejection (R) of associated data, depending on the severity of the exceedance. The compound benzo(a)pyrene had %RSD of 24.6 for instrument SVMS1 from 8/12/05. The results for benzo(a)pyrene were qualified as estimated (J or UJ) in all samples. Method 8270C requires that the mean RF be greater than the EPA National Functional Guidelines[2] criterion of 0.05 for the four SPCCs (n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol). This criterion was met for all compounds, including non-SPCC target compounds.

16. Continuing Calibration (CCAL) – The percent drift (%Drift) from the true value has to be equal to or less than 25 percent. The %Drift for all target compounds were at or below 25%.

17. GC/MS Tunes – The frequency and abundance of the decafluorotriphenylphosphine (DFTPP) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours of the DFTPP tunes.

18. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, Ashland/NSP Lakefront Superfund Site, Ashland, Wisconsin, Quality Assurance Project Plan RI/FS Tasks, Revision 03. February 2005.

[2] *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

Table 1
Qualifiers for SDG 862259

Sample Identifications	Sample Analyses	Data Qualifiers[1]
J-0HR (862259-001)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
JDUP-0HR (862259-002)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
O-0HR (862259-003)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for 1-methylnaphthalene, indeno(123-cd)pyrene, and acenaphthene were qualified as estimated (J/UJ) due to field duplicate RPD greater than 30 percent.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
ODUP-0HR (862259-004)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for 1-methylnaphthalene, indeno(123-cd)pyrene, and acenaphthene were qualified as estimated (J/UJ) due to field duplicate RPD greater than 30 percent.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
J-2HR (862259-005)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
JDUP-2HR (862259-006)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
O-2HR (862259-007)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
ODUP-2HR (862259-008)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
J-4HR (862259-009)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The results for acenaphthene, acenaphthylene, benzo(a)anthracene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(a,h)anthracene, fluoranthene, phenanthrene, and pyrene were qualified as estimated (J/UJ) due to a field duplicate RPD greater than 30 percent.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.

Table 1
Qualifiers for SDG 862259

Sample Identifications	Sample Analyses	Data Qualifiers[1]
JDUP-4HR (862259-010)	PAHs	• The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		• The results for acenaphthene, acenaphthylene, benzo(a)anthracene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(a,h)anthracene, fluoranthene, phenanthrene, and pyrene were qualified as estimated (J/UJ) due to a field duplicate RPD greater than 30 percent.
		• The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
O-4HR (862259-011)	PAHs	• The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		• The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
ODUP-4HR (862259-012)	PAHs	• The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		• The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
J-8HR (862259-013)	PAHs	• The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		• The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
JDUP-8HR (862259-014)	PAHs	• The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		• The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
O-8HR (862259-015)	PAHs	• The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		• The results for indeno(123-cd)pyrene, acenaphthene, dibenz(a,h)anthracene, phenanthrene, and 1-methylnaphthalene were qualified as estimated (J/UJ) due to a field duplicate RPD greater than 30 percent.
		• The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
ODUP-8HR (862259-016)	PAHs	• The results for indeno(123-cd)pyrene, acenaphthene, dibenz(a,h)anthracene, phenanthrene, and 1-methylnaphthalene were qualified as estimated (J/UJ) due to a field duplicate RPD greater than 30 percent.
		• The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
J-24HR (862259-017)	PAHs	• The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		• The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
JDUP-24R (862259-018)	PAHs	• The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		• The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.

Table 1
Qualifiers for SDG 862259

Sample Identifications	Sample Analyses	Data Qualifiers[1]
O-24HR (862259-019)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The results for acenapthene, naphthalene, 1-methylnaphthalene, 2,6-dimethylnaphthalene, 2-methylnaphthalene, acenaphthylene, 2,3,5-trimethylnaphthalene, and fluorene were qualified as estimated (J/UJ) due to MS/MSD %Rs below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
ODUP-24HR (862259-022)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.
[1] The laboratory used the qualifier (<) for non-detect results less than or equal to the EQL and (&) and (N) for QC values outside the CL.

ATTACHMENT 1
(PAH Data Summary Sheets)

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 0HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-001

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		8.3 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene		1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene		1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		8.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.1 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.8 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		13	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 0HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-002

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 U	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		7.6 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7 U	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.7 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 U	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		8.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7 U	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 U	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		13	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* see Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 0HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-003

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		1.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* All Task 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 0HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-004

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		2.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		2.1 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.8 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.7 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.7 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* All Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 2HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-005

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		3.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		5.7 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		7.6	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 2HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-006

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		4.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.6 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		6.4 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		8.5 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		4.7 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		8.7 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

X Alt Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 2HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-007

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.8 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		2.3 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* All Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 2HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-008

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 U	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.8 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 U	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7 U	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 U	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 4HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-009

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.1 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		3.6 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.3	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene		1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		5.8 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 4HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-010

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		7.4 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene		1.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		3.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene		1.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.5 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		6.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.5 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.6	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene		1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.5 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		11	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 4HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-011

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		1.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.7 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.1 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.8 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.8 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* all Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 4 HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-012

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		7.6 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* All Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 8HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-013

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Ani Date	Prep Method	Ani Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		2.4 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.5 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		4.5 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.7 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		7.4 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* All Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 8HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-014

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		6.5 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		3.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		6.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.1 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.5 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		11 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 8HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-015

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		1.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		4.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 8HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/31/05
Lab Sample Number : 862259-016

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		3.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		3.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.4 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 24HR

Matrix Type : WATER
Collection Date : 08/03/05
Report Date : 08/31/05
Lab Sample Number : 862259-017

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		2.6 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 24HR

Matrix Type : WATER
Collection Date : 08/03/05
Report Date : 08/31/05
Lab Sample Number : 862259-018

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		1.8 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.9 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.0 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		3.6 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 24HR

Matrix Type : WATER
Collection Date : 08/03/05
Report Date : 08/31/05
Lab Sample Number : 862259-019

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.4 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.3 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.2 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.3	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.5 J	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7 UJ	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

* All Table 7

Pace Analytical Services, Inc.

Analytical Report Number: 862259

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 24HR

Matrix Type : WATER
Collection Date : 08/03/05
Report Date : 08/31/05
Lab Sample Number : 862259-022

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7 UJ	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2;3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.1	1.7 J	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7 UJ	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.2	1.7 J	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7 UJ	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.1	1.7 J	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7 UJ	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		2.8	1.7 J	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7 UJ	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

See Table 7

*

Data Assessment Report
Sample Delivery Group 862425
NSP Lakefront-LSRI Bioassy
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Superfund Site Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Pace Analytical, Kimberly, Wisconsin performed the analyses for this project. The parameter group and test method was as follows:

- Polycyclic Aromatic Hydrocarbons (PAHs) – by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM) SW846[1] Method 8270C

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a validation of all analytical results to assess data quality. A validation includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Agreement of analyses conducted with the chain-of-custody (COC)
- Holding Times/Sample Preservation - review of log-in records for cooler temperature, presence of headspace, chemical preservation, and preparation/extraction logs
- Instrument tuning (GC/MS only)
- Instrument calibrations (initial and continuing)
- Method blank results/laboratory contamination and field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Surrogate recoveries and comparison to laboratory control limits (organic analyses only)
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Internal Standards and comparison to lab criteria (organic analyses only)
- Field replicate/duplicate results and comparison to data review criteria
- Laboratory control sample (LCS) results and comparison to laboratory control limits

[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996. Revised April 1998.

- Quantitation limits, dilutions and analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report
- Interference check samples/ Serial dilutions/Linearity check samples (Metals only)
- Post-digestion spikes (Metals only, if performed)

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1.

III. DATA USEABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents. Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I. The PAHs reported by the laboratory are identified in the QAPP for the project (URS, 2005).

2. Sample Receipt – Eight water samples were submitted to the laboratory by Lake Superior Research Institute (LSRI). The sample temperature at the time of receipt was not indicated. However, the case narrative indicated the samples were received on ice; therefore, no qualification was needed. Samples were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on August 4 and 6, 2005. The laboratory received the samples on August 9, 2005.

3. Holding Times – The laboratory extracted all of the samples within the recommended hold time.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical results, estimated quantitation limit (EQL), dilution factor, units of measure, and date of the analysis. A "<" qualifier was used by the laboratory to indicate non-detect results less than or equal to the EQL. A "&" qualifier was used when QC results were outside of the QC limits. A "*" qualifier was used for values outside of contract required QC limits. Results where QC criteria were not met were qualified as estimated (J for positive results or UJ for non-detects) by URS.

5. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – Most of the method blank results for the PAHs analyses were all non-detect (U). Naphthalene (0.071 ug/L), indeno(123-cd)pyrene (0.028 ug/L), and dibenz(ah)anthracene (0.030 ug/L) were detected in the method blank at concentrations that did not impact the project sample results (i.e., sample concentration was greater than five times the method blank concentration). No qualification of data was required.

7. Laboratory Control Samples (LCSs) – Almost all of the LCS percent recoveries (%R) and several of the relative percent differences (RPDs) for the PAH analyses were below the laboratory control limits. The laboratory was unable to re-extract and re-analyze the results due to insufficient sample volume. All of the results were qualified as estimated (J/UJ).

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – URS did not submit a project sample for MS/MSD analysis. The laboratory noted that due to insufficient sample volume, no MS/MSD analyses were performed with this SDG.

9. Laboratory (Method) Duplicates (MDs) – The laboratory did not select any of the project samples for method duplicate analysis (also called replicate sample).

10. Field Duplicates – URS submitted four duplicate samples JDUP-48HR, ODUP-48HR, JDUP-DAY4, and ODUP-DAY4 with this SDG. The RPDs were comparable for most of the compounds with the exception of dibenz(a,h)anthracene for JDUP-48HR; benzo(a)anthracene, pyrene, and phenanthrene for JDUP-DAY4; and dibenz(a,h)anthracene, phenanthrene, naphthalene, benzo(a)anthracene, and indeno(123-cd)pyrene for ODUP-DAY4. The RPDs for these compounds exceeded the acceptance criteria of 30 percent or were not calculated since one of the results was detect and the other was non-detect; therefore, the results were qualified as estimated (J/UJ) in the original samples and the field duplicates.

11. Field QC Samples – No equipment blanks/trip blanks were submitted for analysis with this SDG.

12. Dilutions –No dilutions were necessary for any of the project samples.

13. Surrogates – All PAH surrogate recoveries were within the laboratory limits.

14. Internal Standards (IS) – All PAH internal standard areas were within the laboratory control limits.

15. Initial Calibrations (ICAL) – SW846 guidance states that the mean response factor (mean RF) may be used for quantitation if the relative standard deviation (RSD) of the response factors is less than or equal to 15% for GC/MS (otherwise, a linear or higher order curve should be generated). In general, linear initial calibration curves must have a correlation coefficient (r) of 0.995 or (r^2 equal or greater than 0.990), and higher order curves must have a coefficient of determination (COD) of 0.990 or greater. Initial calibrations that exceed the method criteria result in qualification (J or UJ) or rejection (R) of associated data, depending on the severity of the exceedance. The compound benzo(a)pyrene had %RSD of 24.6 for instrument SVMS1 from 8/12/05. The results for benzo(a)pyrene were qualified as estimated (J or UJ) in all samples. Method 8270C requires that the mean RF be greater than the EPA National Functional Guidelines[2] criterion of 0.05 for the four SPCCs (n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol). This criterion was met for all compounds, including non-SPCC target compounds.

16. Continuing Calibration (CCAL) – The percent drift (%Drift) from the true value has to be equal to or less than 25 percent. The %Drift for all target compounds were at or below 25%.

17. GC/MS Tunes – The frequency and abundance of the decafluorotriphenylphosphine (DFTPP) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours of the DFTPP tunes.

18. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, Ashland/NSP Lakefront Superfund Site, Ashland, Wisconsin, Quality Assurance Project Plan RI/FS Tasks, Revision 03. February 2005.

Table 1
Qualifiers for SDG 862425

Sample Identifications	Sample Analyses	Data Qualifiers[1]
J-48HR (862425-001)	PAHs	▪ The results for all of the compounds were qualified as estimated (UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (UJ) due to an ICAL above 15 percent.
		▪ The result for dibenzo(a,h)anthracene was qualified as estimated (UJ) due to field duplicate RPD greater than 30 percent.

[2] *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

Table 1
Qualifiers for SDG 862425

Sample Identifications	Sample Analyses	Data Qualifiers[1]
JDUP-48HR (862425-002)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
		▪ The result for dibenzo(a,h)anthracene was qualified as estimated (J/UJ) due to field duplicate RPD greater than 30 percent.
O-48HR (862425-003)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
ODUP-48HR (862425-004)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
J-DAY4 (862425-005)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
		▪ The results for benzo(a)anthracene, phenanthrene, and pyrene were qualified as estimated (J/UJ) due to a field duplicate RPD greater than 30 percent.
JDUP-DAY4 (862425-006)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
		▪ The results for benzo(a)anthracene, phenanthrene, and pyrene were qualified as estimated (J/UJ) due to a field duplicate RPD greater than 30 percent.
O-DAY4 (862425-007)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
		▪ The results for benzo(a)anthracene, phenanthrene, naphthalene, indeno(1,2,3-cd)pyrene, and dibenz(a,h)anthracene were qualified as estimated (J/UJ) due to a field duplicate RPD greater than 30 percent.
ODUP-DAY4 (862425-008)	PAHs	▪ The results for all of the compounds were qualified as estimated (J/UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (J/UJ) due to an ICAL above 15 percent.
		▪ The results for benzo(a)anthracene, phenanthrene, naphthalene, indeno(1,2,3-cd)pyrene, and dibenz(a,h)anthracene were qualified as estimated (J/UJ) due to a field duplicate RPD greater than 30 percent.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.
[1] The laboratory used the qualifier (<) for non-detect results less than or equal to the EQL and (&) for QC values outside the CL.

ATTACHMENT 1
(PAH Data Summary Sheets)

Pace Analytical Services, Inc.

Analytical Report Number: 862425

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 48 HR

Matrix Type : WATER
Collection Date : 08/04/05
Report Date : 09/01/05
Lab Sample Number : 862425-001

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Ani Date	Prep Method	Ani Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.8 J	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.1 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7 UJ	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		5.5	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862425

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 48 HR

Matrix Type : WATER
Collection Date : 08/04/05
Report Date : 09/01/05
Lab Sample Number : 862425-002

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 U	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.7 J	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 U	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.9 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		4.7	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 U	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

* Per table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862425

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 48 HR

Matrix Type : WATER
Collection Date : 08/04/05
Report Date : 09/01/05
Lab Sample Number : 862425-003

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		6.7 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

* see Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862425

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 48 HR

Matrix Type : WATER
Collection Date : 08/04/05
Report Date : 09/01/05
Lab Sample Number : 862425-004

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		5.7 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862425

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - DAY 4

Matrix Type : WATER
Collection Date : 08/06/05
Report Date : 09/01/05
Lab Sample Number : 862425-005

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene		2.0 J	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.7 J	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.1 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7 UJ	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		5.8	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

see table 1

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Pace Analytical Services, Inc.

Analytical Report Number: 862425

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - DAY 4

Matrix Type : WATER
Collection Date : 08/06/05
Report Date : 09/01/05
Lab Sample Number : 862425-006

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene		2.7 J	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.8 J	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene		2.2 J	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene		1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.8 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene		1.9	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.7 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		7.1	1.7	1	ug/L	B&.	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene		4.2 J	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene		2.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862425

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - DAY 4

Matrix Type : WATER
Collection Date : 08/06/05
Report Date : 09/01/05
Lab Sample Number : 862425-007

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		5.7 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

* Del table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862425

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - DAY 4

Matrix Type : WATER
Collection Date : 08/06/05
Report Date : 09/01/05
Lab Sample Number : 862425-008

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.2 J	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7 UJ	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.2 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7 UJ	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0 J	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		7.0	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7 UJ	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene		1.7 UJ	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7 UJ	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

* See Table 1

Data Assessment Report
Sample Delivery Group 862803
NSP Lakefront-LSRI Bioassy
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Superfund Site Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Pace Analytical, Kimberly, Wisconsin performed the analyses for this project. The parameter group and test method was as follows:

- Polycyclic Aromatic Hydrocarbons (PAHs) – by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM) SW846[1] Method 8270C

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a validation of all analytical results to assess data quality. A validation includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Agreement of analyses conducted with the chain-of-custody (COC)
- Holding Times/Sample Preservation - review of log-in records for cooler temperature, presence of headspace, chemical preservation, and preparation/extraction logs
- Instrument tuning (GC/MS only)
- Instrument calibrations (initial and continuing)
- Method blank results/laboratory contamination and field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Surrogate recoveries and comparison to laboratory control limits (organic analyses only)
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Internal Standards and comparison to lab criteria (organic analyses only)
- Field replicate/duplicate results and comparison to data review criteria
- Laboratory control sample (LCS) results and comparison to laboratory control limits

[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996. Revised April 1998.

- Quantitation limits, dilutions and analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report
- Interference check samples/ Serial dilutions/Linearity check samples (Metals only)
- Post-digestion spikes (Metals only, if performed)

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1.

III. DATA USEABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents. Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I. The PAHs reported by the laboratory are identified in the QAPP for the project (URS, 2005).

2. Sample Receipt – Four water samples were submitted to the laboratory by Lake Superior Research Institute (LSRI). The sample temperature at the time of receipt was not indicated. However, the case narrative indicated the samples were received on ice; therefore, no qualification was needed. Samples were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on August 16, 2005. The laboratory received the samples on August 18, 2005.

3. Holding Times – The laboratory extracted all of the samples within the recommended hold time.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical results, estimated quantitation limit (EQL), dilution factor, units of measure, and date of the analysis. A "<" qualifier was used by the laboratory to indicate non-detect results less than or equal to the EQL. A "&" or an "N" qualifier was used when QC results were outside of the QC limits. A "*" qualifier was used for values outside of contract required QC limits. Results where QC criteria were not met were qualified as estimated (J for positive results or UJ for non-detects) by URS.

5. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – All of the method blank results for the PAHs analyses were non-detect (U). No qualification of data was required.

7. Laboratory Control Samples (LCSs) – Almost all of the LCS percent recoveries (%R) and several of the relative percent differences (RPDs) for the PAH analyses were below the laboratory control limits. The laboratory was unable to re-extract and re-analyze the results due to insufficient sample volume. All of the results were qualified as estimated (J/UJ).

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – URS submitted project sample J-DAY 14 for MS/MSD analysis. Almost all of the MS/MSD %Rs and several of the RPDs for the PAH analyses were below the laboratory control limits. The laboratory indicated that there was a partial sample volume loss during the transfer from the sample container to the separation funnel resulting in an insufficient sample volume for re-extraction. The laboratory extracted and re-analyzed at the lesser volume; therefore all of the precision criteria failed. All of the results were qualified as estimated (J/UJ).

9. Laboratory (Method) Duplicates (MDs) – The laboratory did not select any of the project samples for method duplicate analysis (also called replicate sample).

10. Field Duplicates – URS submitted two duplicate samples JDUP-DAY14 and ODUP-DAY14 with this SDG. Results were within than review criteria (30%). No qualification of data was required.

11. Field QC Samples – No equipment blanks/trip blanks were submitted for analysis with this SDG.

12. Dilutions –No dilutions were necessary for any of the project samples.

13. Surrogates – All PAH surrogate recoveries were within the laboratory limits.

14. Internal Standards (IS) – All PAH internal standard areas were within the laboratory control limits.

15. Initial Calibrations (ICAL) – SW846 guidance states that the mean response factor (mean RF) may be used for quantitation if the relative standard deviation (RSD) of the response factors is less than or equal to 15% for GC/MS (otherwise, a linear or higher order curve should be generated). In general, linear initial calibration curves must have a correlation coefficient (r) of 0.995 or (r^2 equal or greater than 0.990), and higher order curves must have a coefficient of determination (COD) of 0.990 or greater. Initial calibrations that exceed the method criteria result in qualification (J or UJ) or rejection (R) of associated data, depending on the severity of the exceedance. The compound benzo(a)pyrene had %RSD of 16.4 for instrument SVMS1 from 8/22/05. The results for benzo(a)pyrene were qualified as estimated (J or UJ) in all samples. Method 8270C requires that the mean RF be greater than the EPA National Functional Guidelines[2] criterion of 0.05 for the four SPCCs (n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol). This criterion was met for all compounds, including non-SPCC target compounds.

16. Continuing Calibration (CCAL) – The percent drift (%Drift) from the true value has to be equal to or less than 25 percent. The %Drift for all target compounds were at or below 25%.

17. GC/MS Tunes – The frequency and abundance of the decafluorotriphenylphosphine (DFTPP) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours of the DFTPP tunes.

18. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, Ashland/NSP Lakefront Superfund Site, Ashland, Wisconsin, Quality Assurance Project Plan RI/FS Tasks, Revision 03. February 2005.

[2] *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

Table 1
Qualifiers for SDG 862803

Sample Identifications	Sample Analyses	Data Qualifiers[1]
J-DAY14 (862803-001)	PAHs	▪ The results for all of the compounds were qualified as estimated (UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (UJ) due to an ICAL above 15 percent.
		▪ The results for all compounds were qualified as estimated (J/UJ) due MS/MSD %R below acceptance limits.
JDUP-DAY14 (862803-004)	PAHs	▪ The results for all of the compounds were qualified as estimated (UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (UJ) due to an ICAL above 15 percent.
O-DAY14 (862803-005)	PAHs	▪ The results for all of the compounds were qualified as estimated (UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (UJ) due to an ICAL above 15 percent.
ODUP-DAY14 (862803-006)	PAHs	▪ The results for all of the compounds were qualified as estimated (UJ) due to LCS %R below the laboratory control limits.
		▪ The result for benzo(a)pyrene was qualified as estimated (UJ) due to an ICAL above 15 percent.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
R = The result was rejected. The presence or absence of the compound cannot be determined.
[1] The laboratory used the qualifier (<) for non-detect results less than or equal to the EQL and (&) and (N) for QC values outside the CL.

ATTACHMENT 1
(PAH Data Summary Sheets)

Pace Analytical Services, Inc.

Analytical Report Number: 862803

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - DAY 14

Matrix Type : WATER
Collection Date : 08/16/05
Report Date : 09/07/05
Lab Sample Number : 862803-001

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/19/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.5 UJ	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
Anthracene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.5	1.5	1	ug/L	*	08/23/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.5	1.5	1	ug/L	*	08/23/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.5	1.5	1	ug/L	*	08/23/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.5	1.5	1	ug/L	*	08/23/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.5	1.5	1	ug/L	*	08/23/05	SW846 3510C	8270C-SIM
Chrysene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.5	1.5	1	ug/L	*	08/23/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.5	1.5	1	ug/L	*	08/23/05	SW846 3510C	8270C-SIM
Fluorene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.5	1.5	1	ug/L	*	08/23/05	SW846 3510C	8270C-SIM
Naphthalene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
Perylene	<	1.5	1.5	1	ug/L	*	08/23/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.5	1.5	1	ug/L	*&N	08/23/05	SW846 3510C	8270C-SIM
Pyrene	<	1.5	1.5	1	ug/L	*	08/23/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862803

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - DAY 14 MS

Matrix Type : WATER
Collection Date : 08/16/05
Report Date : 09/07/05
Lab Sample Number : 862803-002

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/19/05

Analyte	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	16	1.5	1	ug/L	*&	08/23/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	19	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	17	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	15	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	17	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Acenaphthene	16	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Acenaphthylene	17	1.5	1	ug/L	*&	08/23/05	SW846 3510C	8270C-SIM
Anthracene	18	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	27	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	25	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	24	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	20	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	23	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	23	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Chrysene	18	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	25	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Fluoranthene	23	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Fluorene	18	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	23	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Naphthalene	15	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Perylene	21	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Phenanthrene	19	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Pyrene	25	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 862803

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - DAY 14 MSD

Matrix Type : WATER
Collection Date : 08/16/05
Report Date : 09/07/05
Lab Sample Number : 862803-003

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/19/05

Analyte	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	74	6.2	1	ug/L	*&	08/23/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	78	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	79	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	70	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	77	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Acenaphthene	76	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Acenaphthylene	80	6.2	1	ug/L	*&	08/23/05	SW846 3510C	8270C-SIM
Anthracene	85	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	110	6.2	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	110	6.2	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	110	6.2	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	89	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	110	6.2	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	110	6.2	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Chrysene	81	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	110	6.2	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Fluoranthene	110	6.2	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Fluorene	82	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	110	6.2	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Naphthalene	72	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Perylene	98	6.2	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Phenanthrene	85	6.2	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Pyrene	110	6.2	1	ug/L		08/23/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 862803

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - DAY 14

Matrix Type : WATER
Collection Date : 08/16/05
Report Date : 09/07/05
Lab Sample Number : 862803-004

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/19/05

Analyte		Result	EQL	Dilution	Units	Code	Ani Date	Prep Method	Ani Method
1-Methylnaphthalene	<	1.5 u	1.5	1	ug/L	*&	08/23/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.5	1.5	1	ug/L	*&	08/23/05	SW846 3510C	8270C-SIM
Anthracene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.5	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.5	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.5	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.5	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.5	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Chrysene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.5	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.5	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Fluorene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.5	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Naphthalene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Perylene	<	1.5	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.5	1.5	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Pyrene	<	1.5	1.5	1	ug/L		08/23/05	SW846 3510C	8270C-SIM

* see table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862803

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - DAY 14

Matrix Type : WATER
Collection Date : 08/16/05
Report Date : 09/07/05
Lab Sample Number : 862803-005

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/19/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.6 UJ	1.6	1	ug/L	*&	08/23/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.6	1.6	1	ug/L	*&	08/23/05	SW846 3510C	8270C-SIM
Anthracene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.6	1.6	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.6	1.6	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.6	1.6	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.6	1.6	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.6	1.6	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Chrysene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.6	1.6	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.6	1.6	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Fluorene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.6	1.6	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Naphthalene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Perylene	<	1.6	1.6	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.6	1.6	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Pyrene	<	1.6	1.6	1	ug/L		08/23/05	SW846 3510C	8270C-SIM

* See Table 1

Pace Analytical Services, Inc.

Analytical Report Number: 862803

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - DAY 14

Matrix Type : WATER
Collection Date : 08/16/05
Report Date : 09/07/05
Lab Sample Number : 862803-006

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/19/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.8 UJ	1.8	1	ug/L	*&	08/23/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.8	1.8	1	ug/L	*&	08/23/05	SW846 3510C	8270C-SIM
Anthracene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.8	1.8	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.8	1.8	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.8	1.8	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.8	1.8	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.8	1.8	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Chrysene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.8	1.8	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.8	1.8	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Fluorene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.8	1.8	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Naphthalene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Perylene	<	1.8	1.8	1	ug/L		08/23/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.8	1.8	1	ug/L	&	08/23/05	SW846 3510C	8270C-SIM
Pyrene	<	1.8	1.8	1	ug/L		08/23/05	SW846 3510C	8270C-SIM

* See Table 1

Data Assessment Report
Sample Delivery Group 864677A
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Superfund Site Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Pace Analytical, Kimberly, Wisconsin performed the analyses for this project. The parameter group and test methods were as follows:

- Polycyclic Aromatic Hydrocarbons (PAHs) – by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM) SW846[1] Method 8270C*

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)

- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits

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[1] *Test Methods for Evaluating Solid Waste, Physical Chemical Methods* (SW846) USEPA, Final Update IIIB November 2004.

* Additionally, the laboratory used the *SOP for the Determination of Organics in Fish*. SOP IK: ASBP100, Mod1.0 October 1990; ASB E100, Mod1.0, October 1990, USEPA Region 4 Science and Ecosystem Support Division, Analytical Support Branch.

- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USEABILITY

Most analytical results are useable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for most analytical tests. All non-detect results for the PAHs in sample SQT10-4 were rejected (R) due to surrogate percent recoveries less than 10 percent.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analysis using the analytical test method listed in Section I.

2. Sample Receipt – Forty tissue samples were submitted to the laboratory. The laboratory presented the results for twenty of the samples with this SDG. The rest of the samples included in COCs 141624, 141686, and 141687 were presented in SDG 864677B. All samples were received frozen as required for tissue samples for better preservation. Therefore, no validation action was taken. The samples were properly preserved and were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were received by En Chem, Green Bay, Wisconsin, which is a division of Pace Analytical, on October 4, 2005. Since the samples were delivered directly to the lab, no qualification of data was required due to no custody seal present on the coolers.

3. Holding Times – No holding time is specified for tissue samples. For maintaining the integrity of the samples, however, samples should be frozen as soon as they are collected. Once frozen, they can be held for years without loss of sample integrity. All samples

from this SDG were received frozen by the laboratory and remained frozen until analysis, per the lab manager. Therefore, no qualification of results due to hold time exceedances was required.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting limits, dilution factor, units of measure, analytical batch number, and date of the analysis. A "<" flag was used by the laboratory for non-detect results. The "<" qualifiers were replaced with a "U" for non-detect results. A "Q" flag was used by the laboratory to indicate results that were greater than the method detection limits (MDL) but below the reporting limits (RL). For consistency, URS revised all "Q" qualifiers to "J" to indicate estimated data. A "B" qualifier was used to indicate method blank contamination. The "B" qualifier was removed if the sample concentration was greater than 5 times the blank concentration, or revise to a "U" if sample concentration was less than 5 times the blank concentration. A "&" qualifier was used to indicate LCS percent recovery (%R) outside control limits. A "*" qualifier was used when the LCS relative percent difference (RPD) exceeded acceptance criteria. URS removed the "&" and "*" qualifiers and replaced them with a "J or UJ" where applicable. Positive and non-detect results where QC criteria were not met were qualified as estimated "J" or "UJ", respectively.

5. Sample Traceability – The laboratory specified an analytical Batch identification number for all analyses. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The compound naphthalene was detected in the laboratory blank SVK1111-023MB at a concentration (0.48J µg/Kg) that did not impact the associated project sample results (the result was greater than five times the method blank result, or the compound was not detected in the sample). Therefore, no qualification of results was required.

7. Laboratory Control Samples (LCSs) – The LCS %R for 1-methylphenanthrene, chrysene, perylene, and dibenzo(a,h)anthracene was below the laboratory control limits. The results for these compounds were qualified as estimated (J or UJ) in all project samples. Additionally, the RPDs for chrysene and benzo(a)pyrene exceeded the acceptance criteria. The results for benzo(a)pyrene were qualified as estimated (J or UJ) in all project samples. Since the results for chrysene were previously qualified, no further action was required.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No samples were submitted for MS/MSD analyses. Additionally, the laboratory did not select any project sample for MS/MSD analyses due to insufficient sample volumes. Accuracy and precision criteria were demonstrated with the LCS/LCSD analysis.

9. Laboratory (Method) Duplicates (MDs) – The laboratory did not select a project sample for method duplicate analysis.

10. Field Duplicates - URS did not submit any project sample as a field duplicate with this SDG.

11. Field QC Samples – No equipment blanks/trip blanks were submitted for analysis with this SDG.

12. Surrogates – Samples SQT9-1, SQT9-3, SQT9-4, SQT10-1, SQT10-2, SQT11-1+2, SQT12-1, SQT12-2, SQT12-4, SQT2-2, SQT2-4, and SQT4-1 had one surrogate recovery each exceeding the lower control limits. The samples were not re-extracted and re-analyzed due to insufficient sample volumes. No qualification of results is required for one out of three surrogates outside control limits. Samples SQT9-2, SQT11-3+4, and SQT2-3 had two out of three surrogates below the control limits. All PAHs results were qualified as estimated (J or UJ). Additionally, sample SQT10-4 had one surrogate recovery less than 10 percent. All non-detect PAH results in this sample were rejected (R) and the positive results were qualified as estimated (J or UJ).

13. Internal Standards – The internal standards areas were within the acceptance criteria for all samples.

14. Dilutions – Dilutions were not required for any of the project samples.

15. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

Table 1
Qualifiers for SDG 864677A

Sample Identifications	Sample Analyses	Data Qualifiers [1]
SQT9-1 (864677A-001)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT9-2 (864677A-002)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits. • All results were qualified as estimated (J or UJ) due to two out of three surrogates exceeding control limits.
SQT9-3 (864677A-003)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT9-4 (864677A-004)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT10-1 (864677A-005)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT10-2 (864677A-006)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.

Table 1
Qualifiers for SDG 864677A

Sample Identifications	Sample Analyses	Data Qualifiers [1]
SQT10-3 (864677A-007)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT10-4 (864677A-008)	PAHs	• The positive result for naphthalene was qualified as estimated (J) and the rest of the non-detect results were rejected (R) due to surrogate recoveries less than 10 percent.
SQT11-1+2 (864677A-009)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT11-3+4 (864677A-010)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits. • All results were qualified as estimated (J or UJ) due to two out of three surrogates exceeding control limits.
SQT12-1 (864677A-011)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT12-2 (864677A-012)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT12-3 (864677A-013)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT12-4 (864677A-014)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT2-1 (864677A-015)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT2-2 (864677A-016)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT2-3 (864677A-017)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits. • All results were qualified as estimated (J or UJ) due to two out of three surrogates below control limits.
SQT2-4 (864677A-018)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits.
SQT4-1 (864677A-019)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and/or RPD outside control limits
SQT4-2+4 (864677A-020)	PAHs	• The results for 1-methylphenanthrene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, and perylene were qualified as estimated (UJ) due to LCS %R and or RPD outside control limits.

Data Qualifier Definitions. The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the reporting limit.
J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

R = The result was rejected. The presence or absence of the compound cannot be determined.
[1] All results shown with a "<" were revised to a "U" qualifier to indicate non-detected data.

ATTACHMENT 1
(Data Summary Report)

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT9-1

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.74			URS	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	Final English [redacted]	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	5.6	4.5	15	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	19	12	40	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
2,3,5-Trimethylnaphthalene	< 8.6	8.6	29		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 17	17	55		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	10	4.7	16	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	9.3	7.3	24	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	< 14	14	47		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	42	13	44	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(a)anthracene	17	16	54	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(a)pyrene	< 18	18	61	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	LCS RPD RL
Benzo(b)fluoranthene	< 15	15	49		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	< 13	13	44	[redacted]	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	[redacted]
Benzo(ghi)perylene	< 14	14	48		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	< 12	12	39		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Chrysene	< 13	13	45	UJ	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	%R & RPD
Dibenz(a,h)anthracene	< 14	14	45	UJ	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
Fluoranthene	39	13	43	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Fluorene	13	8.3	28	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Indeno(1,2,3-cd)pyrene	< 14	14	46		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	23	5.4	18		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM	>5x MB
Perylene	31	25	83	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
Phenanthrene	110	12	40		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	30	15	49	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT9-2

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-002

INORGANICS

Test	Result	LOD	LOQ	URS	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.65				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte		Result	LOD	LOQ	Final Qualifier	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	<	4.3	4.3	14	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	%SR low
1-Methylphenanthrene		12	11	38	J	1	ug/Kg	Q8	11/27/05	SW846 3540C	8270C-SIM	; %R LCS hi
2,3,5-Trimethylnaphthalene	<	8.1	8.1	27	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	<	16	16	53	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	<	4.5	4.5	15	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Acenaphthene	<	6.9	6.9	23	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Acenaphthylene	<	13	13	44	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	<	13	13	42	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	<	15	15	51	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	<	17	17	58	UJ	1	ug/Kg	✓	11/27/05	SW846 3540C	8270C-SIM	; LCS RPD low
Benzo(b)fluoranthene	<	14	14	46	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	<	12	12	42	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	<	14	14	46	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	<	11	11	37	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Chrysene	<	13	13	42	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	; %R LCS hi
Dibenz(a,h)anthracene	<	13	13	43	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	; %R LCS hi
Fluoranthene	<	12	12	41	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Fluorene	<	7.9	7.9	26	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	<	13	13	43	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	<	5.2	5.2	17	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Perylene	<	24	24	79	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	; %R LCS hi
Phenanthrene		60	11	38	J	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	<	14	14	46	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT9-3

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-003

INORGANICS

URS

Test	Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.42			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	Qualifier [redacted]	Dil.	Units	Code	Anl Date	Prep Method	Anl Method / Comment
1-Methylnaphthalene	4.1	2.8	9.5	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
1-Methylphenanthrene	15	7.6	25	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM %R LCS low;
2,3,5-Trimethylnaphthalene	< 5.4	5.4	18		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
2,6-Dimethylnaphthalene	< 10	10	35		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene	5.7	3.0	10	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Acenaphthene	6.2	4.6	15	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Acenaphthylene	< 8.9	8.9	30		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Anthracene	< 8.4	8.4	28		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene	< 10	10	34		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene	< 12	12	38	UJ	1	ug/Kg	*	11/27/05	SW846 3540C	8270C-SIM LCS RPD out
Benzo(b)fluoranthene	< 9.3	9.3	31		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene	< 8.3	8.3	28		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(ghi)perylene	< 9.1	9.1	30		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(k)fluoranthene	80	7.4	25		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Chrysene	< 8.4	8.4	28	UJ	1	ug/Kg	&'	11/27/05	SW846 3540C	8270C-SIM %R LCS low + RPD
Dibenz(a,h)anthracene	< 8.6	8.6	29	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM %R LCS low
Fluoranthene	10	8.2	27	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Fluorene	5.4	5.2	17	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Indeno(1,2,3-cd)pyrene	< 8.7	8.7	29		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Naphthalene	14	3.4	11		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM ~5x MB
Perylene	59	16	52	J	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM %R LCS low
Phenanthrene	62	7.6	25		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Pyrene	< 9.2	9.2	31		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT9-4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-004

INORGANICS

URS

Test	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.74			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~EQL~~ Qualifier	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comments
1-Methylnaphthalene	3.4	3.2	11	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	
1-Methylphenanthrene	20	8.5	28	J*	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
2,3,5-Trimethylnaphthalene	< 6.1	6.1	20		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 12	12	39		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	5.5	3.3	11	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	
Acenaphthene	5.4	5.1	17	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	
Acenaphthylene	< 9.9	9.9	33		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	< 9.4	9.4	31		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	< 11	11	38		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	< 13	13	43	UJ	1	ug/Kg	*	11/27/05	SW846 3540C	8270C-SIM	RPD LCS
Benzo(b)fluoranthene	< 10	10	35		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	< 9.3	9.3	31		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	< 10	10	34		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	41	8.3	28		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Chrysene	< 9.5	9.5	32	UJ	1	ug/Kg	&*	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
Dibenz(a,h)anthracene	< 9.6	9.6	32	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
Fluoranthene	10	9.1	30	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	
Fluorene	< 5.9	5.9	20		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 9.7	9.7	32		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	19	3.8	13		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM	MB
Perylene	24	18	59	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
Phenanthrene	66	8.5	28		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	< 10	10	34		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT10-1

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-005

INORGANICS

URS FINAL Qualifier

Test	Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.92				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	3.1	2.2	7.2	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	< 5.8	5.8	19	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
2,3,5-Trimethylnaphthalene	< 4.1	4.1	14		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 8.0	8.0	27		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	6.5	2.3	7.6	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	5.9	3.5	12	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	< 6.8	6.8	23		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	< 6.4	6.4	21		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	< 7.8	7.8	26		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	< 8.8	8.8	29	UJ	1	ug/Kg	*	11/27/05	SW846 3540C	8270C-SIM	LCS RPD Low
Benzo(b)fluoranthene	7.2	7.1	24	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(e)pyrene	7.2	6.3	21	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(ghi)perylene	7.6	6.9	23	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(k)fluoranthene	7.5	5.6	19	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Chrysene	11	6.4	21	J	1	ug/Kg	Q&*	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
Dibenz(a,h)anthracene	< 6.6	6.6	22	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
Fluoranthene	24	6.2	21		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Fluorene	< 4.0	4.0	13		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 6.6	6.6	22		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	16	2.6	8.7		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM	< 5 x MB
Perylene	< 12	12	40	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
Phenanthrene	79	5.8	19		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	20	7.0	23	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL

LAL

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT10-2

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-006

INORGANICS

URS

Test	Result	LOD	LOQ	~~RDL~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	1.63			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Qual.

Prep Date: 10/20/05

Analyte		Result	LOD	LOQ	~~RDL~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method	Comment
1-Methylnaphthalene		3.2	2.7	9.2	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	<	7.4	7.4	25	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
2,3,5-Trimethylnaphthalene	<	5.2	5.2	17		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	<	10	10	34		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene		6.2	2.9	9.6	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene		6.6	4.4	15	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	<	8.6	8.6	29		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	<	8.1	8.1	27		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	<	9.9	9.9	33		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	<	11	11	37	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	%R LCS low RPD
Benzo(b)fluoranthene	<	8.9	8.9	30		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	<	8.0	8.0	27		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	<	8.8	8.8	29		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	<	7.2	7.2	24		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	RPD
Chrysene		9.9	8.2	27	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
Dibenz(a,h)anthracene	<	8.3	8.3	28	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
Fluoranthene		21	7.9	26	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Fluorene	<	5.1	5.1	17		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	<	8.4	8.4	28		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene		17	3.3	11		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM	> 5xMB
Perylene	<	15	15	51	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
Phenanthrene		75	7.4	25		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene		17	8.9	30	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT10-3

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-007

INORGANICS

URS Final Qualifiers

Test	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.56				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	3.5	2.8	9.3	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	< 7.4	7.4	25	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
2,3,5-Trimethylnaphthalene	< 5.3	5.3	18		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 10	10	34		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	6.9	2.9	9.7	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	7.2	4.5	15	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	< 8.7	8.7	29		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	< 8.2	8.2	27		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	< 10	10	33		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	< 11	11	38	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	LCS OUT
Benzo(b)fluoranthene	< 9.0	9.0	30		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	< 8.1	8.1	27		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	< 8.9	8.9	30		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	< 7.2	7.2	24		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Chrysene	9.4	8.2	27	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM	%R + RPD OUT
Dibenz(a,h)anthracene	< 8.4	8.4	28	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
Fluoranthene	24	8.0	27	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Fluorene	< 5.1	5.1	17		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 8.5	8.5	28		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	19	3.4	11		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM	< RL + MB
Perylene	< 15	15	51	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
Phenanthrene	82	7.4	25		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	18	9.0	30	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT10-4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-008

URS FINAL Qualifiers

INORGANICS

Test	Result	LOD	LOQ	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	0.05			1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ		Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	< 3.4	3.4	11	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	% SR < 10
1-Methylphenanthrene	< 9.2	9.2	31	R	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	
2,3,5-Trimethylnaphthalene	< 6.5	6.5	22	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 13	13	42	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	< 3.6	3.6	12	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Acenaphthene	< 5.5	5.5	18	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Acenaphthylene	< 11	11	35	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	< 10	10	34	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	< 12	12	41	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	< 14	14	46	R	1	ug/Kg	*	11/27/05	SW846 3540C	8270C-SIM	
Benzo(b)fluoranthene	< 11	11	37	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	< 10	10	33	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	< 11	11	36	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	< 8.9	8.9	30	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Chrysene	< 10	10	34	R	1	ug/Kg	&*	11/27/05	SW846 3540C	8270C-SIM	
Dibenz(a,h)anthracene	< 10	10	34	R	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	
Fluoranthene	< 9.8	9.8	33	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Fluorene	< 6.3	6.3	21	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 10	10	35	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	5.8	4.1	14	J	1	ug/Kg	QB	11/27/05	SW846 3540C	8270C-SIM	; ~5xMB
Perylene	< 19	19	63	R	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	4
Phenanthrene	< 9.1	9.1	30	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	< 11	11	37	R	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT11-1+2

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-009

INORGANICS

URS

Test	Result	LOD	LOQ	~~EQL~~ Final	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	0.35				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	< 4.3	4.3	14		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
1-Methylphenanthrene	< 12	12	38	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
2,3,5-Trimethylnaphthalene	< 8.2	8.2	27		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 16	16	53		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	7.3	4.5	15	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	7.8	6.9	23	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	< 13	13	45		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	< 13	13	42		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	< 15	15	52		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	< 17	17	58	UJ	1	ug/Kg	*	11/27/05	SW846 3540C	8270C-SIM	[redacted] RPD low
Benzo(b)fluoranthene	< 14	14	47		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	< 13	13	42		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	< 14	14	46		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	17	11	37	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Chrysene	< 13	13	43	UJ	1	ug/Kg	&*	11/27/05	SW846 3540C	8270C-SIM	%R + RPD LCS low
Dibenz(a,h)anthracene	< 13	13	43	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
Fluoranthene	33	12	41	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Fluorene	8.6	7.9	26	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Indeno(1,2,3-cd)pyrene	< 13	13	44		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	17	5.2	17	J	1	ug/Kg	QB	11/27/05	SW846 3540C	8270C-SIM	> 5x MB; [redacted]
Perylene	37	24	79	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
Phenanthrene	100	12	38		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	23	14	46	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT11-3+4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-010

INORGANICS

URS

Test	Result	LOD	LOQ	~~RL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.95			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~RL~~ & qualifier	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 4.0	4.0	13		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
1-Methylphenanthrene	< 11	11	36	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM %R LCS low
2,3,5-Trimethylnaphthalene	< 7.7	7.7	26		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
2,6-Dimethylnaphthalene	< 15	15	50		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene	5.0	4.3	14	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Acenaphthene	< 6.5	6.5	22		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Acenaphthylene	< 13	13	42		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Anthracene	< 12	12	40		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene	< 15	15	48		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene	< 16	16	55	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM %R + RPD LCS
Benzo(b)fluoranthene	< 13	13	44		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene	< 12	12	39		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(ghi)perylene	< 13	13	43		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(k)fluoranthene	59	11	35		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Chrysene	12	12	40	J	1	ug/Kg	Q&*	11/27/05	SW846 3540C	8270C-SIM %R + RPD LCS
Dibenz(a,h)anthracene	< 12	12	41	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM %R LCS low
Fluoranthene	31	12	39	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Fluorene	< 7.4	7.4	25		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 12	12	41		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Naphthalene	13	4.9	16	J	1	ug/Kg	QB	11/27/05	SW846 3540C	8270C-SIM >5x MB
Perylene	36	22	75	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM %R LCS low
Phenanthrene	71	11	36		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Pyrene	30	13	44	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT12-1

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-011

INORGANICS

Test	Result	LOD	LOQ	~~SQL~~ URS	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.46			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~SQL~~ Qualifier	Dil.	Units	Code	Anl Date	Prep Method	Anl Method Comment
1-Methylnaphthalene	< 3.1	3.1	10		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
1-Methylphenanthrene	< 8.4	8.4	28	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM %R LCS Low
2,3,5-Trimethylnaphthalene	< 5.9	5.9	20		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
2,6-Dimethylnaphthalene	< 12	12	38		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene	6.0	3.3	11	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Acenaphthene	6.6	5.0	17	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Acenaphthylene	< 9.7	9.7	32		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Anthracene	< 9.2	9.2	31		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene	12	11	37	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Benzo(a)pyrene	< 13	13	42	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM [redacted] RPD LC
Benzo(b)fluoranthene	14	10	34	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Benzo(e)pyrene	14	9.1	30	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Benzo(ghi)perylene	< 10	10	33		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(k)fluoranthene	12	8.1	27	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Chrysene	20	9.3	31	J	1	ug/Kg	Q&*	11/27/05	SW846 3540C	8270C-SIM %R + RPD LCS
Dibenz(a,h)anthracene	< 9.4	9.4	31	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM %R LCS Low
Fluoranthene	32	9.0	30		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Fluorene	8.8	5.7	19	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Indeno(1,2,3-cd)pyrene	< 9.5	9.5	32		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Naphthalene	15	3.8	13		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM > 5 x MB
Perylene	28	17	58	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM %R LCS Low
Phenanthrene	89	8.4	28		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Pyrene	24	10	34	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT12-2

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-012

INORGANICS

URS

Test	Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.66			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	[redacted] Qualifier	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	< 4.0	4.0	13		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
1-Methylphenanthrene	< 11	11	36	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	%R LCS low
2,3,5-Trimethylnaphthalene	< 7.6	7.6	25		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 15	15	49		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	6.2	4.2	14	J	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	< 6.4	6.4	21		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Acenaphthylene	< 12	12	41		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	< 12	12	39		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	< 14	14	48		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	< 16	16	54	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	RPD
Benzo(b)fluoranthene	< 13	13	43		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	< 12	12	39		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	< 13	13	42		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	26	10	34	J	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	< RL
Chrysene	15	12	39	J	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	%R+RPD
Dibenz(a,h)anthracene	< 12	12	40	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	%R LCS
Fluoranthene	22	11	38	J	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	< RL
Fluorene	< 7.3	7.3	24		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 12	12	40		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	16	4.8	16		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM	> 5x MB
Perylene	73	22	73	J	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	%R LCS low
Phenanthrene	100	11	35		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	13	13	43	J	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	< RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT12-3

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-013

INORGANICS

Test	Result	LOD	LOQ	~~MRL~~ LWRS	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.61			Final qualifier	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~MRL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	3.6	3.0	10	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
1-Methylphenanthrene	< 8.1	8.1	27	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM %R LCS low
2,3,5-Trimethylnaphthalene	< 5.8	5.8	19		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
2,6-Dimethylnaphthalene	< 11	11	37		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene	6.4	3.2	11	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Acenaphthene	7.0	4.9	16	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Acenaphthylene	13	9.4	31	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Anthracene	< 9.0	9.0	30		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene	< 11	11	36		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene	< 12	12	41	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM %R+RPD LCS
Benzo(b)fluoranthene	< 9.9	9.9	33		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene	13	8.8	29	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Benzo(ghi)perylene	< 9.7	9.7	32		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(k)fluoranthene	95	7.9	26		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Chrysene	16	9.0	30	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM %R+RPD LCS
Dibenz(a,h)anthracene	< 9.2	9.2	31	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM %R LCS low
Fluoranthene	21	8.7	29	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Fluorene	8.8	5.6	19	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Indeno(1,2,3-cd)pyrene	< 9.2	9.2	31		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Naphthalene	15	3.7	12		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM >5 x MB
Perylene	61	17	56	J	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM %R LCS low
Phenanthrene	76	8.1	27		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Pyrene	13	9.8	33	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT12-4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-014

INORGANICS

Test	Result	LOD	LOQ	~~Lab~~ URS Final Qualifier	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.59				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~BEL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	2.8	2.5	8.5	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	< 6.8	6.8	23	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
2,3,5-Trimethylnaphthalene	< 4.8	4.8	16		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 9.4	9.4	31		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	5.8	2.7	8.9	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	5.6	4.1	14	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	< 7.9	7.9	26		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	< 7.5	7.5	25		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	9.7	9.1	30	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(a)pyrene	< 10	10	34	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	RPD LCS out
Benzo(b)fluoranthene	13	8.3	28	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(e)pyrene	11	7.4	25	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(ghi)perylene	< 8.1	8.1	27		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	8.3	6.6	22	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Chrysene	16	7.6	25	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM	%R + RPD LCS out
Dibenz(a,h)anthracene	< 7.7	7.7	26	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
Fluoranthene	21	7.3	24	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Fluorene	< 4.7	4.7	16		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 7.8	7.8	26		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	14	3.1	10		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM	> 5 x MB
Perylene	< 14	14	47	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	%R LCS Low
Phenanthrene	76	6.8	23		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	14	8.2	27	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT2-1

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-015

INORGANICS

Test	Result	LOD	LOQ	~~MQL~~ URS Final qualifier	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	2.23				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~MQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	8.0	5.6	19	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	19	15	50	J	1	ug/Kg	Q8	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
2,3,5-Trimethylnaphthalene	< 11	11	35		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 21	21	68		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	9.1	5.8	19	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	< 8.9	8.9	30		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Acenaphthylene	< 17	17	58		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	< 16	16	55		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	51	20	67	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	36	23	75	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	RPD LCS low
Benzo(b)fluoranthene	30	18	60	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(e)pyrene	41	16	54	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(ghi)perylene	32	18	59	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(k)fluoranthene	66	14	48		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Chrysene	61	17	55	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	%R + RPD LCS low
Dibenz(a,h)anthracene	< 17	17	56	UJ	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
Fluoranthene	67	16	53		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Fluorene	< 10	10	34		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 17	17	56		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	22	6.7	22		1	ug/Kg	Q8	11/27/05	SW846 3540C	8270C-SIM	> 5x MB
Perylene	< 31	31	100	UJ	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	%R LCS low
Phenanthrene	120	15	50		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	77	18	60		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT2-2

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-016

INORGANICS

Test	Result	LOD	LOQ	~~EQL~~ URS	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.62			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte		Result	LOD	LOQ	~~EQL~~ analifier	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene		9.3	6.1	20	J	1	ug/Kg	~~Q~~	11/27/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene		17	16	55	J	1	ug/Kg	~~Q&~~	11/27/05	SW846 3540C	8270C-SIM	%R LCS LOW
2,3,5-Trimethylnaphthalene	<	12	12	39		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	<	23	23	75		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene		8.8	6.5	22	J	1	ug/Kg	~~Q~~	11/27/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	<	9.9	9.9	33		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Acenaphthylene	<	19	19	64		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	<	18	18	61		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene		47	22	74	J	1	ug/Kg	~~Q~~	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(a)pyrene		38	25	83	J	1	ug/Kg	~~Q~~	11/27/05	SW846 3540C	8270C-SIM	RPD LCS
Benzo(b)fluoranthene		27	20	67	J	1	ug/Kg	~~Q~~	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(e)pyrene		37	18	60	J	1	ug/Kg	~~Q~~	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(ghi)perylene		29	20	65	J	1	ug/Kg	~~Q~~	11/27/05	SW846 3540C	8270C-SIM	< RL
Benzo(k)fluoranthene		130	16	53	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Chrysene		52	18	61	J	1	ug/Kg	~~Q&~~	11/27/05	SW846 3540C	8270C-SIM	%R + RPD LCS
Dibenz(a,h)anthracene	<	19	19	62	UJ	1	ug/Kg	~~&~~	11/27/05	SW846 3540C	8270C-SIM	%R LCS LOW
Fluoranthene		61	18	59		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Fluorene	<	11	11	38		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	<	19	19	62		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene		23	7.4	25		1	ug/Kg	~~QB~~	11/27/05	SW846 3540C	8270C-SIM	> 5x MB
Perylene	<	34	34	110	UJ	1	ug/Kg	~~&~~	11/27/05	SW846 3540C	8270C-SIM	%R LCS LOW
Phenanthrene		110	16	55		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene		89	20	66		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT2-3

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-017

INORGANICS

Test	Result	LOD	LOQ	URS Final qualifiers	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	2.25				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ		Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	< 6.1	6.1	20	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	%SR Low
1-Methylphenanthrene	< 16	16	54	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	; %R LCS
2,3,5-Trimethylnaphthalene	< 12	12	39	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 22	22	75	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	< 6.4	6.4	21	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Acenaphthene	< 9.8	9.8	33	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Acenaphthylene	< 19	19	63	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Anthracene	< 18	18	60	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	31	22	73	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	; <LL
Benzo(a)pyrene	< 25	25	82	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	; LCS %R
Benzo(b)fluoranthene	< 20	20	66	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	23	18	59	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	<LL
Benzo(ghi)perylene	< 19	19	65	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	33	16	53	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	<LL
Chrysene	38	18	60	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM	; %R+RPD
Dibenz(a,h)anthracene	< 18	18	61	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	; %R LCS
Fluoranthene	41	17	58	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM	
Fluorene	< 11	11	37	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 19	19	62	UJ	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Naphthalene	18	7.3	24	J	1	ug/Kg	QB	11/27/05	SW846 3540C	8270C-SIM	; >5x MB
Perylene	< 34	34	110	UJ	1	ug/Kg	&	11/27/05	SW846 3540C	8270C-SIM	; %R LCS
Phenanthrene	65	16	54	J	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	
Pyrene	72	20	66	J	1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT2-4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-018

INORGANICS

Test	Result	LOD	LOQ	URS EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	2.09			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	Qualifier ~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method Comment
1-Methylnaphthalene	4.1	4.0	13	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
1-Methylphenanthrene	26	11	35	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM %R LCS low
2,3,5-Trimethylnaphthalene	< 7.5	7.5	25		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
2,6-Dimethylnaphthalene	< 15	15	49		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene	7.4	4.2	14	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Acenaphthene	7.7	6.4	21	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Acenaphthylene	< 12	12	41		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Anthracene	< 12	12	39		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene	58	14	47		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene	46	16	53	J	1	ug/Kg	Q*	11/27/05	SW846 3540C	8270C-SIM RPD
Benzo(b)fluoranthene	34	13	43	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Benzo(e)pyrene	44	12	38		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Benzo(ghi)perylene	30	13	42	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Benzo(k)fluoranthene	47	10	34		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Chrysene	67	12	39	J	1	ug/Kg	Q*	11/27/05	SW846 3540C	8270C-SIM %R+RPD
Dibenz(a,h)anthracene	< 12	12	40	UJ	1	ug/Kg	Q*	11/27/05	SW846 3540C	8270C-SIM %R LCS low
Fluoranthene	72	11	38		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Fluorene	10	7.3	24	J	1	ug/Kg	Q	11/27/05	SW846 3540C	8270C-SIM < RL
Indeno(1,2,3-cd)pyrene	< 12	12	40		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Naphthalene	18	4.8	16		1	ug/Kg	B	11/27/05	SW846 3540C	8270C-SIM >5xMB
Perylene	30	22	73	J	1	ug/Kg	Q&	11/27/05	SW846 3540C	8270C-SIM %R LCS low
Phenanthrene	79	11	35		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM
Pyrene	130	13	43		1	ug/Kg		11/27/05	SW846 3540C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT4-1

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-019

INORGANICS

URS

Test	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.15			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	Qualifier ~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	< 4.5	4.5	15		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
1-Methylphenanthrene	41	12	40	J	1	ug/Kg	~~8~~	11/28/05	SW846 3540C	8270C-SIM	%R LCS low
2,3,5-Trimethylnaphthalene	< 8.5	8.5	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 17	17	55		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	8.4	4.7	16	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	< 7.2	7.2	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthylene	17	14	47	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Anthracene	20	13	44	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(a)anthracene	310	16	54		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	< 18	18	61	UJ	1	ug/Kg	~~Y~~	11/28/05	SW846 3540C	8270C-SIM	[redacted] RPD out LCS
Benzo(b)fluoranthene	170	15	49		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	190	13	44		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	62	14	48		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	260	12	39		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	330	13	44	J	1	ug/Kg	~~8~~	11/28/05	SW846 3540C	8270C-SIM	%R + RPD out LCS
Dibenz(a,h)anthracene	14	14	45	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	%R LCS low
Fluoranthene	290	13	43		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	LL
Fluorene	< 8.3	8.3	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	44	14	46	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Naphthalene	20	5.4	18		1	ug/Kg	~~8~~	11/28/05	SW846 3540C	8270C-SIM	> 5 x MB
Perylene	< 25	25	83	UJ	1	ug/Kg	~~8~~	11/28/05	SW846 3540C	8270C-SIM	%R LCS low
Phenanthrene	110	12	40		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	410	15	48		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT4-2+4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-020

INORGANICS

Test	Result	LOD	LOQ	URS [redacted]	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	1.86			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	Qualifier [redacted]	Dil.	Units	Code	Ani Date	Prep Method	Ani Method	Comment
1-Methylnaphthalene	4.1	3.1	10	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	44	8.2	27	J	1	ug/Kg	&	11/28/05	SW846 3540C	8270C-SIM	%R LCS low
2,3,5-Trimethylnaphthalene	6.1	5.8	19	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
2,6-Dimethylnaphthalene	< 11	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	8.3	3.2	11	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	11	4.9	16	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	65	9.5	32		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Anthracene	33	9.0	30		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	440	11	37		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	380	12	41	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM [redacted]	RPD out LCS
Benzo(b)fluoranthene	260	9.9	33		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	250	8.9	30		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	96	9.7	32		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	310	7.9	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	400	9.1	30	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	%R + RPD out LCS
Dibenz(a,h)anthracene	20	9.2	31	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	%R LCS low
Fluoranthene	350	8.8	29		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	< RL
Fluorene	13	5.6	19	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Indeno(1,2,3-cd)pyrene	65	9.3	31		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Naphthalene	16	3.7	12		1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	> 5x MB
Perylene	< 17	17	56	UJ	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	%R LCS low
Phenanthrene	120	8.2	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	640	9.9	33		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	

Data Assessment Report
Sample Delivery Group 864677B
NSP Lakefront
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Superfund Site Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Pace Analytical, Kimberly, Wisconsin performed the analyses for this project. The parameter group and test methods were as follows:

- Polycyclic Aromatic Hydrocarbons (PAHs) – by Gas Chromatography/Mass Spectrometry Selective Ion Monitoring (GC/MS-SIM) SW846[1] Method 8270C*

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a general review of all analytical results to assess data quality. A general review includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Analytical methods performed and test method references
- Sample condition - review of log-in records for cooler temperature, presence of headspace, chemical preservation, etc.
- Holding times (comparison of collection, preparation, and analysis dates)

- Analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Sample traceability
- Method blank results and laboratory contamination
- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits

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[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update IIIB November 2004.
* Additionally, the laboratory used the *SOP for the Determination of Organics in Fish* SOP IK: ASBP100, Mod1.0 October 1990; ASB E100, Mod1.0, October 1990, USEPA Region 4 Science and Ecosystem Support Division, Analytical Support Branch.

- Field replicate/duplicate results and comparison to data review criteria
- Serial dilutions (where applicable) and comparison to laboratory control limits
- Surrogate recoveries (where applicable) and comparison to laboratory control limits
- Internal Standards (where applicable) and comparison to lab criteria
- Field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Dilutions
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1. No EDD evaluation was performed since an electronic file was not required for the assessment.

III. DATA USEABILITY

All analytical results are useable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No results were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods - The laboratory performed the analysis using the analytical test method listed in Section I.

2. Sample Receipt – Forty tissue samples were submitted to the laboratory. The laboratory presented the results for twenty of the samples with this SDG. The rest of the samples included in COCs 141623 and 141624 were presented in SDG 864677A. All samples were received frozen as required for tissue samples for better preservation. Therefore, no validation action was taken. The samples were properly preserved and were received intact. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The laboratory received one jar (036) without a label. By the process of elimination, the laboratory determined that the sample ID should be W. BEAR-1. The samples were received by En Chem, Green Bay, Wisconsin, which is a division of Pace Analytical, on October 4, 2005. Since the samples were delivered directly to the lab, no qualification of data was required due to no custody seal present on the coolers.

3. Holding Times – No holding time is specified for tissue samples. For maintaining the integrity of the samples, however, samples should be frozen as soon as they are collected. Once frozen, they can be held for years without loss of sample integrity. All samples from this SDG were received frozen by the laboratory and remained frozen until analysis, per the lab manager. Therefore, no qualification of results due to hold time exceedances was required.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical result, laboratory reporting limits, dilution factor, units of measure, analytical batch number, and date of the analysis. A "<" flag was used by the laboratory for non-detect results. The "<" qualifiers were replaced with a "U" for non-detect results. A "Q" flag was used by the laboratory to indicate results that were greater than the method detection limits (MDL) but below the reporting limits (RL). For consistency, URS revised all "Q" qualifiers to "J" to indicate estimated data. A "B" qualifier was used to indicate method blank contamination. The "B" qualifier was removed if the sample concentration was greater than 5 times the blank concentration, or revise to a "U" if sample concentration was less than 5 times the blank concentration. A "&" qualifier was used to indicate LCS percent recovery (%R) outside control limits. URS removed the "&" qualifier and replaced it with a "J or UJ" where applicable. A "D" qualifier was used by the laboratory to indicate concentrations identified from analysis of the sample at a secondary dilution. The "D" was removed by URS, as it is not applicable per project requirements. Positive and non-detect results where QC criteria were not met were qualified as estimated "J" or "UJ", respectively.

5. Sample Traceability – The laboratory specified an analytical Batch identification number for all analyses. The project sample analyses can be traced to the QC sample analyses through this number.

6. Laboratory Method Blanks – The compound naphthalene was detected in the laboratory blank SVK1111-024MB at a concentration of 0.25J µg/Kg that did not impact the associated project sample results (the result was greater than five times the method blank result). Therefore, no qualification of results was required and the "B" qualifier was removed from the final EDD.

7. Laboratory Control Samples (LCSs) – The LCS %R for perylene was below the laboratory control limit. The result for perylene was qualified as estimated (J or UJ) in all project samples. The rest of the %Rs and relative percent differences (RPDs) were within control limits.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – No samples were submitted for MS/MSD analyses. Additionally, the laboratory did not select any project sample for MS/MSD analyses due to insufficient sample volumes. Accuracy and precision criteria were demonstrated with the LCS/LCSD analysis.

9. Laboratory (Method) Duplicates (MDs) – The laboratory did not select a project sample for method duplicate analysis.

10. Field Duplicates – URS submitted project sample "INITIAL DUPLICATE" as a field duplicate if sample "INITIAL" with this SDG. The RPDs for 1-methylnaphthalene and naphthalene exceeded acceptance criteria of 30 percent. The results for these compounds were qualified as estimated (J or UJ) in both the original sample and the field duplicate.

11. Field QC Samples – No equipment blanks/trip blanks were submitted for analysis with this SDG.

12. Surrogates – Samples SQT4-3, SQT3-2, SQT3-3+4, SQT8-1+2, SQT6-1, SQT6-2+4, SQT6-3, SQT5-1, SQT5-2+3+4, FORM-4, W. BEAR-1, W. BEAR-2+3, and INITIAL DUPLICATE had one surrogate recovery each exceeding the lower control limits. However, no qualification of results is required for one out of three surrogates outside control limits.

13. Internal Standards – The internal standards areas were within the acceptance criteria for all samples.

14. Dilutions – Dilution was required for pyrene in samples SQT5-1 and SQT5-2+3+4. The RLs and MDLs for pyrene were adjusted for the dilution accordingly.

15. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

Table 1
Qualifiers for SDG 864677B

Sample Identifications	Sample Analyses	Data Qualifiers [1]
SQT4-3 (864677B-021)	PAHs	• The result for perylene was qualified as estimated (J) due to LCS %R below the control limit.
SQT3-1 (864677B-022)	PAHs	• The result for perylene was qualified as estimated (J) due to LCS %R below the control limit.
SQT3-2 (864677B-023)	PAHs	• The result for perylene was qualified as estimated (J) due to LCS %R below the control limit.
SQT3-3+4 (864677B-024)	PAHs	• The result for perylene was qualified as estimated (J) due to LCS %R below the control limit.
SQT5-1 (864677B-025)	PAHs	• The result for perylene was qualified as estimated (J) due to LCS %R below the control limit.
SQT5-2+3+4 (864677B-026)	PAHs	• The result for perylene was qualified as estimated (J) due to LCS %R below the control limit.
SQT8-1+2 (864677B-027)	PAHs	• The result for perylene was qualified as estimated (UJ) due to LCS %R below the control limit.
SQT8-3+4 (864677B-028)	PAHs	• The result for perylene was qualified as estimated (UJ) due to LCS %R below the control limit.
SQT6-1 (864677B-029)	PAHs	• The result for perylene was qualified as estimated (J) due to LCS %R below the control limit.
SQT6-2+4 (864677B-030)	PAHs	• The result for perylene was qualified as estimated (J) due to LCS %R below the control limit.

Table 1
Qualifiers for SDG 864677B

Sample Identifications	Sample Analyses	Data Qualifiers [1]
SQT6-3 (864677B-031)	PAHs	• The result for perylene was qualified as estimated (UJ) due to LCS %R below the control limit.
FORM-1 (864677B-032)	PAHs	• The result for perylene was qualified as estimated (UJ) due to LCS %R below the control limit.
FORM-2 (864677B-033)	PAHs	• The result for perylene was qualified as estimated (UJ) due to LCS %R below the control limit.
FORM-3 (864677B-034)	PAHs	• The result for perylene was qualified as estimated (UJ) due to LCS %R below the control limit.
FORM-4 (864677B-035)	PAHs	• The result for perylene was qualified as estimated (J) due to LCS %R below the control limit.
W. BEAR-1 (864677B-036)	PAHs	• The result for perylene was qualified as estimated (UJ) due to LCS %R below the control limit.
W. BEAR-2+3 (864677B-037)	PAHs	• The result for perylene was qualified as estimated (UJ) due to LCS %R below the control limit.
W. BEAR-4 (864677B-038)	PAHs	• The result for perylene was qualified as estimated (UJ) due to LCS %R below the control limit.
INITIAL (864677B-039)	PAHs	• The result for perylene was qualified as estimated (J) due to LCS %R below the control limit. • The results for 1-methylnaphthalene and naphthalene were qualified as estimated (J or UJ) due to field duplicate RPDs greater than 30 percent.
INITIAL DUPLICATE (864677B-040) *Field Duplicate*	PAHs	• The result for perylene was qualified as estimated (UJ) due to LCS %R below the control limit. • The results for 1-methylnaphthalene and naphthalene were qualified as estimated (J or UJ) due to field duplicate RPDs greater than 30 percent.

Data Qualifier Definitions The reason for each of the specified data qualifier is included in the above table Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted

U = The chemical was not detected Value shown is the reporting limit

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met

UJ = The chemical was not detected at or above the sample reporting limit However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample

R = The result was rejected. The presence or absence of the compound cannot be determined.

[1] All results shown with a "+" were revised to a "U" qualifier to indicate non-detected data

ATTACHMENT 1
(Data Summary Report)

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT3-1

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-022

INORGANICS

Test	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	0.54				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method Comment
1-Methylnaphthalene	< 5.6	5.6	19		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
1-Methylphenanthrene	68	15	50		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,3,5-Trimethylnaphthalene	14	11	35	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM <RL;
2,6-Dimethylnaphthalene	< 21	21	69		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene	8.4	5.9	20	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM <RL
Acenaphthene	< 9.0	9.0	30		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthylene	59	17	58		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Anthracene	48	16	55	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM <RL
Benzo(a)anthracene	500	20	67		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene	460	23	76		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(b)fluoranthene	310	18	61		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene	310	16	54		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(ghi)perylene	130	18	59		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(k)fluoranthene	380	15	48		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Chrysene	460	17	55		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Dibenz(a,h)anthracene	29	17	56	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM <RL
Fluoranthene	480	16	53		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluorene	< 10	10	34		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Indeno(1,2,3-cd)pyrene	91	17	57		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Naphthalene	19	6.7	22	J	1	ug/Kg	~~QB~~	11/28/05	SW846 3540C	8270C-SIM >5xMB; <RL
Perylene	70	31	100	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM <RL; % RL low
Phenanthrene	130	15	50		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Pyrene	810	18	60		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT3-2

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-023

URS Final Qualifier

INORGANICS

Test	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	1.55				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
1-Methylnaphthalene	< 5.7	5.7	19		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
1-Methylphenanthrene	67	15	51		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,3,5-Trimethylnaphthalene	< 11	11	36		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,6-Dimethylnaphthalene	< 21	21	70		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene	14	5.9	20	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Acenaphthene	< 9.1	9.1	30		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthylene	54	18	59	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM < RL
Anthracene	53	17	56	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM < RL
Benzo(a)anthracene	520	20	68		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene	480	23	77		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(b)fluoranthene	290	18	61		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene	300	17	55		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(ghi)perylene	120	18	60		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(k)fluoranthene	360	15	49		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Chrysene	470	17	56		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Dibenz(a,h)anthracene	26	17	57	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM < RL
Fluoranthene	500	16	54		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluorene	11	10	35	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM < RL
Indeno(1,2,3-cd)pyrene	87	17	57		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Naphthalene	24	6.8	23		1	ug/Kg	B	11/28/05	SW846 3540C	8270C-SIM > 5 x MB
Perylene	60	31	100	J	1	ug/Kg	Q6	11/28/05	SW846 3540C	8270C-SIM %R LCS low ; < RL
Phenanthrene	120	15	51		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Pyrene	870	18	61		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT3-3+4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-024

INORGANICS

Test	Result	LOD	LOQ	~~EQL~~ URS Final	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.24				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	EQL Qualifier	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 4.1	4.1	14		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
1-Methylphenanthrene	59	11	36		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,3,5-Trimethylnaphthalene	10	7.7	26	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM < RL
2,6-Dimethylnaphthalene	< 15	15	50		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene	6.9	4.3	14	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM < RL
Acenaphthene	< 6.5	6.5	22		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthylene	51	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Anthracene	42	12	40		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene	500	15	49		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene	470	16	55		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(b)fluoranthene	320	13	44		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene	290	12	40		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(ghi)perylene	120	13	43		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(k)fluoranthene	340	11	35		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Chrysene	450	12	40		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Dibenz(a,h)anthracene	25	12	41	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM < RL
Fluoranthene	460	12	39		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluorene	< 7.5	7.5	25		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Indeno(1,2,3-cd)pyrene	84	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Naphthalene	15	4.9	16	J	1	ug/Kg	QB	11/28/05	SW846 3540C	8270C-SIM > 5 x MB
Perylene	51	22	75	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM % R LCS Low
Phenanthrene	120	11	36		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Pyrene	790	13	44		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT5-1

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-025

INORGANICS

URS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	1 50			Final Qual -	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Ani Date	Prep Method	Ani Method	Comment
1-Methylnaphthalene	5 5	3 9	13	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	230	10	35		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,3,5-Trimethylnaphthalene	81	7.4	25		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	34	14	48	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
2-Methylnaphthalene	13	4 1	14	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	28	6.2	21		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthylene	200	12	40		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Anthracene	230	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	1500	14	46		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	1300	16	52		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(b)fluoranthene	840	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	770	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	350	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	970	10	34		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	1200	12	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Dibenz(a,h)anthracene	98	12	39		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene	1500	11	37		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluorene	51	7 1	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	290	12	39		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Naphthalene	22	4.7	16		1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	>5x MB
Perylene	190	21	71	J	1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	% R LCS low
Phenanthrene	560	10	35		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	2600	50	170		4	ug/Kg	~~D~~	11/28/05	SW846 3540C	8270C-SIM	diluted - remove D qualifier

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT5-2+3+4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 01/20/06
Lab Sample Number : 864677-026

INORGANICS

URS

Test	Result	LOD	LOQ	~~RQL~~ Final Qual.	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	2.32				1	%		10/24/05	PACE LIPID	PACE LIPID

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~RQL~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method	Comment
1-Methylnaphthalene	5.9	2.7	9.1	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	160	7.3	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	< RL
2,3,5-Trimethylnaphthalene	46	5.2	17		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	18	10	33	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	12	2.9	9.5		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthene	16	4.4	15		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthylene	150	8.5	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Anthracene	140	8.1	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	1300	39	130		4	ug/Kg	~~D~~	11/28/05	SW846 3540C	8270C-SIM	diluted -
Benzo(a)pyrene	1200	44	150		4	ug/Kg	~~D~~	11/28/05	SW846 3540C	8270C-SIM	remove D
Benzo(b)fluoranthene	710	8.9	30		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	640	8.0	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	310	8.7	29		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	810	7.1	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	960	8.1	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Dibenz(a,h)anthracene	92	8.2	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene	1100	7.8	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluorene	30	5.0	17		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	260	8.3	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Naphthalene	19	3.3	11		1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	>5x MB
Perylene	160	15	50	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	% R LCS Low
Phenanthrene	350	7.3	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	1900	35	120		4	ug/Kg	~~D~~	11/28/05	SW846 3540C	8270C-SIM	remove D qual. - dilution

REVISED
TN 1/20/06

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT8-1+2

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-027

INORGANICS

URS Final Qual-

Test	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.84				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method Comment
1-Methylnaphthalene	19	4.6	15		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
1-Methylphenanthrene	13	12	41	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
2,3,5-Trimethylnaphthalene	9.3	8.7	29	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
2,6-Dimethylnaphthalene	21	17	56	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
2-Methylnaphthalene	35	4.8	16		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthene	28	7.4	25		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthylene	71	14	48		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Anthracene	< 14	14	45		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene	34	16	55	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Benzo(a)pyrene	< 19	19	62		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(b)fluoranthene	< 15	15	50		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene	20	13	45	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Benzo(ghi)perylene	< 15	15	49		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(k)fluoranthene	35	12	40	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Chrysene	35	14	45	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Dibenz(a,h)anthracene	< 14	14	46		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluoranthene	55	13	44		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluorene	16	8.4	28	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Indeno(1,2,3-cd)pyrene	< 14	14	47		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Naphthalene	43	5.5	18		1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM > 5x MB
Perylene	**< 25**	**25**	**85**	UJ	**1**	**ug/Kg**	~~Q~~	11/28/05	SW846 3540C	8270C-SIM % R LCS LOQ
Phenanthrene	120	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Pyrene	80	15	49		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT8-3+4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-028

INORGANICS

URS

Test	Result	LOD	LOQ	~~PQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	2.24			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Qual.

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~PQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	9.5	4.0	13	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	15	11	36	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
2,3,5-Trimethylnaphthalene	11	7.6	25	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
2,6-Dimethylnaphthalene	18	15	49	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
2-Methylnaphthalene	15	4.2	14		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthene	29	6.4	21		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthylene	99	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Anthracene	15	12	39	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(a)anthracene	37	14	48	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(a)pyrene	24	16	54	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(b)fluoranthene	18	13	43	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(e)pyrene	24	12	39	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(ghi)perylene	16	13	42	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(k)fluoranthene	100	10	35		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	40	12	39		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Dibenz(a,h)anthracene	< 12	12	40		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene	65	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluorene	25	7.3	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 12	12	40		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Naphthalene	27	4.8	16		1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	> 5 x MB
Perylene	< 22	22	73	UJ	1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	≥ R LCS low
Phenanthrene	150	11	36		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	92	13	43		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT6-1

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-029

INORGANICS

URS

Test	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.36			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Qual

Prep Date: 10/20/05

Analyte		Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method Comment
1-Methylnaphthalene	<	4.3	4.3	14		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
1-Methylphenanthrene	<	11	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	8.1	8.1	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,6-Dimethylnaphthalene	<	16	16	52		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene		4.6	4.5	15	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM < RL
Acenaphthene	<	6.8	6.8	23		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthylene	<	13	13	44		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Anthracene	<	13	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene		66	15	51		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene		72	17	57		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(b)fluoranthene		52	14	46		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene		62	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(ghi)perylene		25	14	45	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM < RL
Benzo(k)fluoranthene		64	11	37		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Chrysene		80	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Dibenz(a,h)anthracene	<	13	13	43		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluoranthene		58	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluorene	<	7.8	7.8	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	13	13	43		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Naphthalene		13	5.1	17	J	1	ug/Kg	QB	11/28/05	SW846 3540C	8270C-SIM >5x MB
Perylene		31	23	78	J	1	ug/Kg	Q&	11/28/05	SW846 3540C	8270C-SIM R LCS low
Phenanthrene		76	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM < RL
Pyrene		110	14	46		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT6-2+4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-030

INORGANICS

URS

Test	Result	LOD	LOQ	~~Qual~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	0.88			F) Na/ Qual	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte		Result	LOD	LOQ	~~Qual~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method	Comments
1-Methylnaphthalene	<	4.2	4.2	14		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
1-Methylphenanthrene	<	11	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,3,5-Trimethylnaphthalene	<	8.0	8.0	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	<	16	16	52		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene		5.0	4.4	15	J	1	ug/Kg	~~o~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	<	6.8	6.8	23		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthylene	<	13	13	44		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Anthracene	<	13	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene		71	15	51		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene		81	17	57		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(b)fluoranthene		55	14	46		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene		68	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene		28	14	45	J	1	ug/Kg	~~o~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(k)fluoranthene		71	11	37		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene		84	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Dibenz(a,h)anthracene	<	13	13	43		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene		60	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluorene	<	7.8	7.8	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene		15	13	43	J	1	ug/Kg	~~o~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Naphthalene		14	5.1	17	J	1	ug/Kg	~~o~~B	11/28/05	SW846 3540C	8270C-SIM	> 5x MB ??
Perylene		97	23	78	J	1	ug/Kg	~~o~~	11/28/05	SW846 3540C	8270C-SIM	RL as low
Phenanthrene		84	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene		110	14	46		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : SQT6-3

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-031

INORGANICS

Test	Result	LOD	LOQ	~~EQL~~ URS	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.55			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte		Result	LOD	LOQ	~~EQL~~ Qual	Dil.	Units	Code	Anl Date	Prep Method	Anl Method Comment
1-Methylnaphthalene	<	5.1	5.1	17		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
1-Methylphenanthrene	<	14	14	45		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	9.6	9.6	32		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,6-Dimethylnaphthalene	<	19	19	62		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene		6.7	5.3	18	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Acenaphthene	<	8.2	8.2	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthylene		19	16	53	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Anthracene	<	15	15	50		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene		84	18	61		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene		100	21	69		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(b)fluoranthene		67	17	55		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene		80	15	49		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(ghi)perylene		33	16	54	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Benzo(k)fluoranthene		110	13	44		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Chrysene		97	15	50		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Dibenz(a,h)anthracene	<	15	15	51		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluoranthene		71	15	49		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluorene		10	9.3	31	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Indeno(1,2,3-cd)pyrene		17	15	51	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM < RL
Naphthalene		17	6.1	20	J	1	ug/Kg	~~QB~~	11/28/05	SW846 3540C	8270C-SIM >5x MB;
Perylene	<	28	28	93	UJ	1	ug/Kg	~~S~~	11/28/05	SW846 3540C	8270C-SIM SR LCS low
Phenanthrene		96	14	45		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Pyrene		130	16	55		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : FORM-1

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-032

INORGANICS

URS

Test	Result	LOD	LOQ	~~RDL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1.95			FINAL	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Qual.

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~RDL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Commen
1-Methylnaphthalene	4.2	2.6	8.8	J	1	ug/Kg	~~d~~	11/28/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	< 7.1	7.1	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,3,5-Trimethylnaphthalene	< 5.0	5.0	17		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 9.7	9.7	32		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	8.1	2.8	9.2	J	1	ug/Kg	~~d~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	9.4	4.2	14	J	1	ug/Kg	~~d~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	9.2	8.2	27	J	1	ug/Kg	~~d~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Anthracene	< 7.8	7.8	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	< 9.5	9.5	32		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	< 11	11	36		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(b)fluoranthene	< 8.6	8.6	29		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	< 7.7	7.7	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	< 8.4	8.4	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	89	6.9	23		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	< 7.8	7.8	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Dibenz(a,h)anthracene	< 8.0	8.0	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene	32	7.6	25		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluorene	42	4.9	16		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 8.0	8.0	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Naphthalene	21	3.2	11		1	ug/Kg	~~d~~	11/28/05	SW846 3540C	8270C-SIM	> 5x
Perylene	< 15	15	49	UJ	1	ug/Kg	~~d~~	11/28/05	SW846 3540C	8270C-SIM	% R
Phenanthrene	100	7.1	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	13	8.5	28	J	1	ug/Kg	~~d~~	11/28/05	SW846 3540C	8270C-SIM	< RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : FORM-2

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-033

INORGANICS

URS

Test	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	1 57			FINAL	1	%		10/24/05	Pace Lipid	EnChem Lipid

Qualif.

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~EQL~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	3.4	2.6	8.8	J	1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	< 7.1	7.1	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,3,5-Trimethylnaphthalene	< 5 0	5.0	17		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 9.7	9.7	32		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	6.7	2.8	9.2	J	1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	7.3	4.2	14	J	1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	< 8.2	8.2	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Anthracene	< 7.8	7 8	26		1	ug/Kg		11/28/05	SW846 3540C	8270C SIM	
Benzo(a)anthracene	< 9.5	9.5	32		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	< 11	11	36		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(b)fluoranthene	< 8.6	8.6	29		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	< 7.7	7 7	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	< 8.4	8.4	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	< 6.9	6 9	23		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	< 7.8	7.8	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Dibenz(a,h)anthracene	< 8.0	8.0	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene	18	7.6	25	J	1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Fluorene	17	4.9	16		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 8.0	8.0	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Naphthalene	17	3.2	11		1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	> 5x MB
Perylene	**< 15**	**15**	**49**	UJ	**1**	**ug/Kg**	~~B~~	**11/28/05**	**SW846 3540C**	**8270C-SIM**	% R LCS LR
Phenanthrene	98	7.1	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	< 8.5	8.5	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : FORM-3

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-034

INORGANICS

URS Final Qual

Test	Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	2.11				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Ani Date	Prep Method	Ani Method	Comment
1-Methylnaphthalene	5.0	2.9	9.8	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	< 7.8	7.8	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,3,5-Trimethylnaphthalene	< 5.6	5.6	19		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	< 11	11	36		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene	7.2	3.1	10	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	6.9	4.7	16	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	9.8	9.1	30	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Anthracene	37	8.6	29		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	< 11	11	35		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	< 12	12	40		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(b)fluoranthene	< 9.5	9.5	32		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	< 8.5	8.5	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	< 9.3	9.3	31		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	< 7.6	7.6	25		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	< 8.7	8.7	29		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Dibenz(a,h)anthracene	< 8.8	8.8	29		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene	25	8.4	28	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Fluorene	6.9	5.4	18	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Indeno(1,2,3-cd)pyrene	< 8.9	8.9	30		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Naphthalene	23	3.5	12		1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	> 3 x MB
Perylene	< 16	16	54	UJ	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	% R LCS LO
Phenanthrene	83	7.8	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	11	9.4	31	J	1	ug/Kg	~~a~~	11/28/05	SW846 3540C	8270C-SIM	< RL

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : FORM-4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-035

INORGANICS

URS

Test	Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	2.59			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Qual

Prep Date: 10/20/05

Analyte		Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene		2.7	2.6	8.7	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	<	7.0	7.0	23		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,3,5-Trimethylnaphthalene	<	5.0	5.0	17		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	<	9.6	9.6	32		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene		5.5	2.7	9.1	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene		5.9	4.2	14	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthylene	<	8.1	8.1	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Anthracene	<	7.7	7.7	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	<	9.4	9.4	31		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	<	11	11	35		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(b)fluoranthene	<	8.5	8.5	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	<	7.6	7.6	25		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	<	8.3	8.3	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	<	6.8	6.8	23		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	<	7.7	7.7	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Dibenz(a,h)anthracene	<	7.9	7.9	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene		15	7.5	25	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Fluorene		16	4.8	16	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Indeno(1,2,3-cd)pyrene	<	7.9	7.9	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Naphthalene		14	3.1	10		1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	> 5 x MB
Perylene		16	14	48	J	1	ug/Kg	~~Q~~	11/28/05	SW846 3540C	8270C-SIM	% R LCS La
Phenanthrene		69	7.0	23		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	<	8.4	8.4	28		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : W. BEAR-1

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-036

INORGANICS

URS Final Qual

Test	Result	LOD	LOQ	Qual	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	1.32				1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	Qual	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
1-Methylnaphthalene	< 4.8	4.8	16		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
1-Methylphenanthrene	< 13	13	43		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,3,5-Trimethylnaphthalene	< 9.2	9.2	31		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,6-Dimethylnaphthalene	< 18	18	59		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene	< 5.1	5.1	17		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthene	< 7.8	7.8	26		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthylene	< 15	15	50		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Anthracene	< 14	14	48		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene	< 17	17	58		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene	< 20	20	65		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(b)fluoranthene	< 16	16	52		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene	< 14	14	47		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(ghi)perylene	< 15	15	51		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(k)fluoranthene	< 13	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Chrysene	< 14	14	48		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Dibenz(a,h)anthracene	< 15	15	49		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluoranthene	< 14	14	46		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluorene	< 8.9	8.9	30		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 15	15	49		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Naphthalene	16	5.8	19	J	1	ug/Kg	~~QB~~	11/28/05	SW846 3540C	8270C-SIM >5x MB; J
Perylene	< 27	27	89	UJ	1	ug/Kg	~~8~~	11/28/05	SW846 3540C	8270C-SIM %R LCS low
Phenanthrene	56	13	43		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Pyrene	< 16	16	52		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : W BEAR-2+3

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-037

INORGANICS

URL

Test	Result	LOD	LOQ	~~Qual~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	1.68			FINAL	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Qual

Prep Date: 10/20/05

Analyte		Result	LOD	LOQ	~~Qual~~	Dil.	Units	Code	Ani Date	Prep Method	Ani Method	Comment
1-Methylnaphthalene		4.4	3.9	13	J	1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	< RL
1-Methylphenanthrene	<	10	10	35		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,3,5-Trimethylnaphthalene	<	7.4	7.4	25		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	<	14	14	48		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2-Methylnaphthalene		6.4	4.1	14	J	1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	< RL
Acenaphthene	<	6.2	6.2	21		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthylene	<	12	12	40		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Anthracene	<	11	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	<	14	14	46		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)pyrene	<	16	16	52		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(b)fluoranthene	<	13	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	<	11	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(ghi)perylene	<	12	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(k)fluoranthene	<	10	10	34		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	<	11	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Dibenz(a,h)anthracene	<	12	12	39		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene	<	11	11	37		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluorene	<	7.1	7.1	24		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	<	12	12	39		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Naphthalene		17	4.7	16		1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	> 5x MB
Perylene	<	21	21	71	UJ	1	ug/Kg	~~B~~	11/28/05	SW846 3540C	8270C-SIM	% R LCS 4
Phenanthrene		72	10	35		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	<	13	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : W. BEAR-4

Matrix Type : BIOTA
Collection Date : 09/11/05
Report Date : 12/13/05
Lab Sample Number : 864677-038

INORGANICS

URS

Test	Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
Percent Lipids	1 03			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Qual-

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Ani Date	Prep Method	Ani Method
1-Methylnaphthalene	< 4 3	4.3	14		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
1-Methylphenanthrene	< 11	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,3,5-Trimethylnaphthalene	< 8.1	8.1	27		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2,6-Dimethylnaphthalene	< 16	16	52		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
2-Methylnaphthalene	< 4 5	4.5	15		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthene	< 6.9	6.9	23		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Acenaphthylene	< 13	13	44		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Anthracene	< 13	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)anthracene	< 15	15	51		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(a)pyrene	< 17	17	58		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(b)fluoranthene	< 14	14	46		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(e)pyrene	< 12	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(ghi)perylene	< 14	14	45		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Benzo(k)fluoranthene	42	11	37		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Chrysene	< 13	13	42		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Dibenz(a,h)anthracene	< 13	13	43		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluoranthene	< 12	12	41		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Fluorene	9.6	7 8	26	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM < RL
Indeno(1,2,3-cd)pyrene	< 13	13	43		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Naphthalene	9 5	5 1	17	J	1	ug/Kg	QB	11/28/05	SW846 3540C	8270C-SIM > 5 x MB, J
Perylene	< 24	24	79	UJ	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM R LCS low
Phenanthrene	57	11	38		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM
Pyrene	< 14	14	46		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - I V TISSUE
Project Number :
Field ID : INITIAL

Matrix Type : BIOTA
Collection Date : 08/19/05
Report Date : 12/13/05
Lab Sample Number : 864677-039

INORGANICS

URS

Test	Result	LOD	LOQ	~~Qual~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	2 45			FINAL	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Qualifier

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	~~Qual~~	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	3 6	0 35	1.2	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	F DUP RPD
1-Methylphenanthrene	2.8	0.94	3.1	J	1	ug/Kg	Ø	11/28/05	SW846 3540C	8270C-SIM	< RL
2,3,5-Trimethylnaphthalene	2.7	0.66	2.2		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
2,6-Dimethylnaphthalene	1 7	1 3	4 3	J	1	ug/Kg	Ø	11/28/05	SW846 3540C	8270C-SIM	< RL
2-Methylnaphthalene	6.7	0.37	1.2		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthene	6.1	0.56	1.9		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthylene	< 1.1	1.1	3.6		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Anthracene	4 3	1 0	3 4		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(a)anthracene	1.7	1.3	4.2	J	1	ug/Kg	Q	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(a)pyrene	< 1.4	1.4	4.7		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(b)fluoranthene	< 1.1	1.1	3.8		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	1.8	1.0	3.4	J	1	ug/Kg	Ø	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(ghi)perylene	1.7	1.1	3.7	J	1	ug/Kg	Ø	11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(k)fluoranthene	< 0.91	0.91	3.0		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	3.4	1.0	3.5	J	1	ug/Kg	Ø	11/28/05	SW846 3540C	8270C-SIM	< RL
Dibenz(a,h)anthracene	< 1.1	1.1	3.5		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene	8 7	1.0	3 3		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluorene	4.2	0.64	2.1		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 1.1	1.1	3.5		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	F.DUP
Naphthalene	15	0 42	1.4	J	1	ug/Kg	Ø	11/28/05	SW846 3540C	8270C-SIM	>5x MB [redacted]
Perylene	< 1.9	1.9	6.4	UJ	1	ug/Kg	Ø	11/28/05	SW846 3540C	8270C-SIM	% R LCS Low
Phenanthrene	64	0 93	3 1		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	7.9	1.1	3.8		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	

J → >5x MB; F. DUP RPD ▶30%

Pace Analytical Services, Inc.

Analytical Report Number: 864677B

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : UW - SUPERIOR
Project Name : ASHLAND - LV TISSUE
Project Number :
Field ID : INITIAL DUPLICATE

Matrix Type : BIOTA
Collection Date : 08/19/05
Report Date : 12/13/05
Lab Sample Number : 864677-040

INORGANICS

URS

Test	Result	LOD	LOQ	[redacted]	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Lipids	2.43			Final	1	%		10/24/05	Pace Lipid	EnChem Lipid

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 10/20/05

Analyte	Result	LOD	LOQ	[redacted] Qualifier	Dil.	Units	Code	Anl Date	Prep Method	Anl Method	Comment
1-Methylnaphthalene	2.6	0.41	1.4	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	F.DUP RPD
1-Methylphenanthrene	2.9	1.1	3.6	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	< RL
2,3,5-Trimethylnaphthalene	2.5	0.77	2.6	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	< RL
2,6-Dimethylnaphthalene	1.6	1.5	5.0	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	< RL
2-Methylnaphthalene	5.3	0.43	1.4		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthene	5.6	0.65	2.2		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Acenaphthylene	< 1.3	1.3	4.2		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Anthracene	3.2	1.2	4.0	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(a)anthracene	1.5	1.5	4.9	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(a)pyrene	< 1.7	1.7	5.5		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(b)fluoranthene	< 1.3	1.3	4.4		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Benzo(e)pyrene	1.6	1.2	4.0	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(ghi)perylene	1.5	1.3	4.3	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	< RL
Benzo(k)fluoranthene	< 1.1	1.1	3.5		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Chrysene	3.1	1.2	4.0	J	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	< RL
Dibenz(a,h)anthracene	< 1.2	1.2	4.1		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluoranthene	9.2	1.2	3.9		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Fluorene	3.2	0.75	2.5		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Indeno(1,2,3-cd)pyrene	< 1.2	1.2	4.1		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	*F.DUP
Naphthalene	11	0.49	1.6	J [redacted]	1	ug/Kg	B	11/28/05	SW846 3540C	8270C-SIM	< 5x MB [redacted]
Perylene	< 2.2	2.2	7.5	UJ	1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	%R LCS Lo
Phenanthrene	65	1.1	3.6		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	
Pyrene	7.7	1.3	4.4		1	ug/Kg		11/28/05	SW846 3540C	8270C-SIM	

J → >5xMB; F.DUP RPD>30%

Data Assessment Report
Sample Delivery Group 94479
NSP Lakefront – High Energy Surface Water Samples
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Superfund Site Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Northern Lake Service, Inc., Crandon, Wisconsin performed the analyses for this project. The parameter group and test method were as follows:

- Volatile Organic Compounds (VOCs) – by SW846[1] Method 8260B
- Semi-Volatile Organic Compounds (SVOCs) – by SW846 Method 3510C (Acid/Base Extraction) and Method 8270C
- Dissolved Organic Carbon (DOC) – by SW846 Method 9060M

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a validation of all analytical results to assess data quality. A validation includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Agreement of analyses conducted with the chain-of-custody (COC)
- Holding Times/Sample Preservation - review of log-in records for cooler temperature, presence of headspace, chemical preservation, and preparation/extraction logs
- Instrument tuning (GC/MS only)
- Instrument calibrations (initial and continuing)
- Method blank results/laboratory contamination and field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Surrogate recoveries and comparison to laboratory control limits (organic analyses only)
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Internal Standards and comparison to lab criteria (organic analyses only)
- Field replicate/duplicate results and comparison to data review criteria

[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA. Final Update III December 1996. Revised April 1998.

- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Quantitation limits, dilutions and analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report
- Interference check samples/ Serial dilutions/Linearity check samples (Metals only)
- Post-digestion spikes (Metals only, if performed)

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1.

III. DATA USEABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

2. Sample Receipt – Eight surface water samples and two trip blanks were submitted to the laboratory. The sample temperature at the time of receipt was not indicated. Samples were received intact. Custody seals were not present on the coolers because the samples were dropped off directly by the URS crew to NLS staff; therefore, no qualification of data is required. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on October 14 and 15, 2005. The laboratory received the samples on October 16, 2005. It should be noted that the laboratory incorrectly transcribed the sample ID for sample NSP-SW-HHRA3-11/05UNF by using a hyphen in the date (NSP-SW-HHRA3-11/05UNF). The laboratory was not asked to revise the report. The EDD shows the correct ID.

3. Holding Times – The laboratory extracted all of the samples within the recommended hold time.

4. Analytical Results For each parameter tested, the laboratory provided the analytical method, analytical results, laboratory reporting limits, dilution factor, units of measure, analytical batch number, and date of the analysis. An "ND" qualifier was used for non-detect results. Brackets [] were used by the laboratory to indicate estimated results greater than or equal to the limit of detection (LOD) but below the limit of quantitation (LOQ). A "*" qualifier was used for values outside of contract required QC limits. Results where QC criteria were not met were qualified as estimated (J for positive results or UJ for non-detects) by URS. Results for Tentatively Identified Compounds (TICs) were presented in the raw data only. The TICs summary forms are provided at the end of this report (Attachment 2).

5. Filtered vs. Unfiltered – All samples marked for DOC analysis were filtered and preserved by the lab prior to analysis. A comparison was made between samples SW-ERA01-1105-MID-FIL and SW-ERA01-1105-MID-UNF and SW-ERA01-1105-NB-FIL and SW-ERA4-1105-NB-UNF. For SVOCs, the compounds were non-detect for both sets of samples. For VOCs, the compounds were non-detect for samples SW-ERA01-1105-NB-FIL and SW-ERA4-1105-NB-UNF. Toluene was detected in the filtered sample and non-detect in the unfiltered sample. The result was qualified as estimated (J or UJ) in samples SW-ERA01-1105-MID-FIL and SW-ERA01-1105-MID-UNF.

6. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. For example, the laboratory ID 391655 corresponds to sample NSP-SW-HHRA3-11-05UNF. The project sample analyses can be traced to the QC sample analyses through this number.

7. Laboratory Method Blanks – The method blank results for the VOCs, SVOCs, and DOC analyses were all non-detect (U). No qualification of data was required.

8. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) and relative percent differences (RPDs) for the DOC analyses were within the laboratory control limits. The %R for perylene exceeded the upper control limit. No qualification of results was required since all sample results for perylene were non-detect. Additionally, the RPD for 3 & 4 methylphenol exceeded the control limit. The results for 3 & 4 methylphenol in all samples were qualified as estimated (J or UJ). For the VOCs, several compounds had %R exceeding the control limits. However, none of these were a target compound; therefore, no qualification of results was required.

8. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Sample NSP-SW-HHRA3-11-05UNF was submitted for VOC, SVOC and DOC MS/MSD analyses. The %R and RPD for DOC were within the laboratory acceptance limits. For the VOCs, the %R for 1,2,4-trimethylbenzene was below the control limit and the RPD for 3 & 4 methylphenol exceeded the acceptance criterion. The results for these two compounds were qualified as estimated (J or UJ) in all project samples. For the SVOCs, the %R for 1-methylnaphthalene was below the control limits and the RPD for perylene exceeded the acceptance criterion. The project sample results for these two compounds were qualified as estimated (J or UJ).

9. Laboratory (Method) Duplicates (MDs) – The laboratory did not select any of the project samples for method duplicate analysis (also called replicate sample).

10. Field Duplicates – Sample NSP-SW-DUP02-11/05 was submitted as a field duplicate of sample NSP-SW-HHRA2-11/05-UNF. The RPD for 1,3,5-trimethylbenzene was not calculated since the result on the original sample was non-detect and the field duplicate result was positive. Both results were qualified as estimated (J or UJ). The rest of the RPDs were within the acceptance criteria of 30 percent.

11. Field QC Samples – URS submitted two trip blanks with this SDG. All results in the trip blanks were non-detect. No qualification of results was required.

12. Dilutions –No dilutions were necessary for any of the project samples.

13. Surrogates – All VOC and SVOC surrogate recoveries were within the laboratory limits.

14. Internal Standards – All VOC and SVOC internal standard areas were within the laboratory control limits.

15. Initial Calibrations (ICAL)[2] – SW-846 guidance states that the mean response factor (mean RF) may be used for quantitation if the relative standard deviation (RSD) of the response factors is less than or equal to 15% for GC/MS (otherwise, a linear or higher order curve should be generated). In general, linear initial calibration curves must have a correlation coefficient (r) of 0.995 or (r^2 equal or greater than 0.990), and higher order curves must have a coefficient of determination (COD) of 0.990 or greater. Initial calibrations that exceed the method criteria result in qualification (J or UJ) or rejection (R) of associated data, depending on the severity of the exceedance. The initial calibration criteria were met for all VOC target compounds. For the SVOCs, 3 & 4 methylphenol had %RSD of 15.83 for instrument GC/MS Ins from 11/29/05. The results for 3 & 4 methylphenol were qualified as estimated (J or UJ) in all samples.

[2] The ICAL for SDGs 94479, 94480, 94481, 94482, and 94483 is listed in SDG 94479 and the ICAL for the SVOCs is listed in SDG 94483.

Furthermore, Method 8260B requires that the mean RF be greater than 0.10 for three of the five System Performance Check Compounds (SPCCs) (chloromethane, 1,1-dichloroethane and bromoform) and greater than 0.30 for the remaining two SPCCs (chlorobenzene and 1,1,2,2-tetrachloroethane). For all non-SPCC compounds, the EPA National Functional Guidelines[3] criterion of 0.05 was applied. For the VOCs mean RFs were acceptable for all SPCC and non-SPCC compounds.

Method 8270C requires that the mean RF be greater than 0.05 for the four SPCCs (n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol). This criterion was met for all compounds, including non-SPCC targets.

17. Continuing Calibration (CCAL) – For the VOC and SVOC analyses, the percent drift (%Drift) from the true value has to be equal to or less than 25 percent. The %Drift for all target compounds were at or below 25%.

18. GC/MS Tunes – For the VOCs, the frequency and abundance of the bromofluorobenzene (BFB) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours from the BFB tunes. For the SVOCs, the frequency and abundance of the decafluorotriphenylphosphine (DFTPP) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours of the DFTPP tunes.

19. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, Ashland/NSP Lakefront Superfund Site, Ashland, Wisconsin, Quality Assurance Project Plan RI/FS Tasks, Revision 03. February 2005.

[3] *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

Table 1
Qualifiers for SDG 94479

Sample Identifications	Sample Analyses	Data Qualifiers[1]
NSP-SW-HHRA3-11-05UNF (391655)	VOCs	• The result for 1,2,4-trimethylbenzene was qualified as estimated (J) due to MS/MSD %R below the control limit. • The result for styrene was qualified as estimated (UJ) due to MS/MSD RPD exceeding acceptance criterion.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to LCSD RPD exceeding acceptance criterion. • The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent. • The result for 1-methylnaphthalene was qualified as estimated (UJ) due to MS/MSD %R below the control limit. • The result for perylene was qualified as estimated (UJ) due to MS/MSD RPD exceeding acceptance criterion.
	DOC	• None
NSP-SW-DUP02-11/05 (391656) *Field Duplicate*	VOCs	• The result for 1,3,5-trimethylbenzene was qualified as estimated (J) due to field duplicate discrepancies.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to LCSD RPD exceeding acceptance criterion. • The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
NSP-SW-HHRA1-11/05-UNF (391657)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to LCSD RPD exceeding acceptance criterion. • The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
NSP-SW-HHRA2-11/05-UNF (391658)	VOCs	• The result for 1,3,5-trimethylbenzene was qualified as estimated (UJ) due to field duplicate discrepancies.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to LCSD RPD exceeding acceptance criterion. • The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
Trip Blank (391659)	VOCs	• None

Table 1
Qualifiers for SDG 94479

Sample Identifications	Sample Analyses	Data Qualifiers[1]
SW-ERA01-1105-MID-FIL (391660)	VOCs	• The result for toluene was qualified as estimated (UJ) due to a concentration above the unfiltered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to LCSD RPD exceeding acceptance criterion. • The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA01-1105-NB-FIL (391661)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to LCSD RPD exceeding acceptance criterion. • The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA01-1105-MID-UNF (391662)	VOCs	• The result for toluene was qualified as estimated (UJ) due to a concentration below the filtered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to LCSD RPD exceeding acceptance criterion. • The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA01-1105-NB-UNF (391663)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to LCSD RPD exceeding acceptance criterion. • The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
Trip Blank (391664)	VOCs	• None

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the LOQ.
J = Estimated concentration because the result was below the sample LOQ or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample LOQ
R = The result was rejected. The presence or absence of the compound cannot be determined.
[1] The laboratory used the qualifier (ND) for non-detect, [ ] for positive results above the LOD but below the LOQ, and (*) for QC values outside the CL.

ATTACHMENT 1
(Validated Data Spreadsheet)

Sample ID	Method	Lab ID		Result								Final Result	Final Qualifier	Comments	
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW9060M	391655	DISSOLVED ORGANIC CARBON	2.1	TRG	Yes	Y		Y	0.54	1.7 mg/L				na
NSP-SW-DUP02-11/05UNF-111405	SW9060M	391656	DISSOLVED ORGANIC CARBON	3.7	TRG	Yes	Y		Y	0.54	1.7 mg/L				na
NSP-SW-HHRA1-11/05-UNF-111405	SW9060M	391657	DISSOLVED ORGANIC CARBON	1.4	TRG	Yes	Y	J	J Y	0.54	1.7 mg/L				na
NSP-SW-HHRA2-11/05-UNF-111405	SW9060M	391658	DISSOLVED ORGANIC CARBON	0.75	TRG	Yes	Y	J	J Y	0.54	1.7 mg/L				na
SW-ERA01-1105-MID-FIL 111405	SW9060M	391660	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	< Y	0.54	1.7 mg/L				na
SW-ERA01-1105-NB-FIL 111405	SW9060M	391661	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	< Y	0.54	1.7 mg/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	PHENOL	0	TRG	Yes	N	<	< Y	0.51	1.7 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	< Y	0.9	3 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	CRESOLS, M & P	0	TRG	Yes	N	<	< Y	1.4	4.8 ug/L		UJ	LCSD %R high, %RSD>15%	na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	NAPHTHALENE	1.3	TRG	Yes	Y	J	J Y	1.1	3.6 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.1	3.5 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.1	3.5 ug/L		UJ	MS/MSD %R low	na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	< Y	1.3	4.2 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.2	4.1 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	ACENAPHTHYLENE	0	TRG	Yes	N	<	< Y	1	3.5 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	ACENAPHTHENE	0	TRG	Yes	N	<	< Y	1.1	3.6 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	DIBENZOFURAN	0	TRG	Yes	N	<	< Y	1.1	3.6 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.2	4 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	FLUORENE	0	TRG	Yes	N	<	< Y	0.99	3.3 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	PHENANTHRENE	0	TRG	Yes	N	<	< Y	0.98	3.3 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	ANTHRACENE	0	TRG	Yes	N	<	< Y	0.98	3.3 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	< Y	1.3	4.3 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	FLUORANTHENE	0	TRG	Yes	N	<	< Y	0.97	3.2 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	PYRENE	0	TRG	Yes	N	<	< Y	0.94	3.1 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	< Y	0.92	3.1 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	CHRYSENE	0	TRG	Yes	N	<	< Y	1	3.4 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	< Y	0.94	3.1 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	< Y	0.92	3.1 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	< Y	1.2	3.9 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	BENZO(E)PYRENE	0	TRG	Yes	N	<	< Y	1	3.4 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	BENZO(A)PYRENE	0	TRG	Yes	N	<	< Y	1	3.4 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	PERYLENE	0	TRG	Yes	N	<	< Y	1.2	4.1 ug/L		UJ	MS/MSD RPD out	na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	< Y	0.99	3.3 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8270C	391655	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	< Y	1	3.4 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8260	391655	BENZENE	0.74	TRG	Yes	Y		Y	0.14	0.48 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8260	391655	TOLUENE	0.31	TRG	Yes	Y	J	J Y	0.25	0.83 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8260	391655	ETHYLBENZENE	0.46	TRG	Yes	Y	J	J Y	0.17	0.56 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8260	391655	M,P-XYLENE (SUM OF ISOMERS)	0.44	TRG	Yes	Y	J	J Y	0.35	1.2 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8260	391655	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	< Y	0.22	0.72 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8260	391655	STYRENE	0	TRG	Yes	N	<	< Y	0.15	0.49 ug/L		UJ	MS/MSD RPD out	na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8260	391655	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	< Y	0.15	0.49 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8260	391655	1,2,4-TRIMETHYLBENZENE	0.17	TRG	Yes	Y	J	J Y	0.16	0.52 ug/L		J	MS/MSD %R low	na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8260	391655	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	< Y	0.14	0.45 ug/L				na
NSP-SW-HHRA3-11/05UNF MS/MSD-111	SW8260	391655	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	< Y	0.21	0.68 ug/L				na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	PHENOL	0	TRG	Yes	N	<	< Y	0.51	1.7 ug/L				na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	< Y	0.9	3 ug/L				na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	CRESOLS, M & P	0	TRG	Yes	N	<	< Y	1.4	4.8 ug/L		UJ	LCSD %R high, %RSD>15%	na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	NAPHTHALENE	1.8	TRG	Yes	Y	J	J Y	1.1	3.6 ug/L				na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	2-METHYLNAPHTHALENE	1.2	TRG	Yes	Y	J	J Y	1.1	3.5 ug/L				na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	1-METHYLNAPHTHALENE	1.1	TRG	Yes	Y	J	J Y	1.1	3.5 ug/L				na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	< Y	1.3	4.2 ug/L				na

NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	ACENAPHTHENE	1.1	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8270C	391656	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8260	391656	BENZENE	0.16	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8260	391656	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8260	391656	ETHYLBENZENE	0.35	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8260	391656	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8260	391656	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8260	391656	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8260	391656	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0.23	TRG	Yes	Y	J	J	Y	0.15	0.49	ug/L	J	F.DUP	na
NSP-SW-DUP02-11/05UNF-111405	SW8260	391656	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8260	391656	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
NSP-SW-DUP02-11/05UNF-111405	SW8260	391656	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	LCSD %R high, %RSD>15%	na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	NAPHTHALENE	1.8	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	2-METHYLNAPHTHALENE	1.2	TRG	Yes	Y	J	J	Y	1.1	3.5	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	1-METHYLNAPHTHALENE	1.1	TRG	Yes	Y	J	J	Y	1.1	3.5	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na

NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8270C	391657	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8260	391657	BENZENE	0.15	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8260	391657	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8260	391657	ETHYLBENZENE	0.34	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8260	391657	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8260	391657	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8260	391657	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8260	391657	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8260	391657	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8260	391657	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
NSP-SW-HHRA1-11/05-UNF-111405	SW8260	391657	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	LCSD %R high, %RSD>15%	na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	NAPHTHALENE	1.8	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	2-METHYLNAPHTHALENE	1.1	TRG	Yes	Y	J	J	Y	1.1	3.5	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	1-METHYLNAPHTHALENE	1.1	TRG	Yes	Y	J	J	Y	1.1	3.5	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	ACENAPHTHENE	1.1	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8270C	391658	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8260	391658	BENZENE	0.18	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8260	391658	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8260	391658	ETHYLBENZENE	0.34	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8260	391658	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8260	391658	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8260	391658	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8260	391658	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L	UJ	F.DUP	na
NSP-SW-HHRA2-11/05-UNF-111405	SW8260	391658	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8260	391658	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
NSP-SW-HHRA2-11/05-UNF-111405	SW8260	391658	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
Trip Blank-111405	SW8260	391659	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na

Trip Blank-111405	SW8260	391659	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
Trip Blank-111405	SW8260	391659	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
Trip Blank-111405	SW8260	391659	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
Trip Blank-111405	SW8260	391659	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
Trip Blank-111405	SW8260	391659	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111405	SW8260	391659	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111405	SW8260	391659	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
Trip Blank-111405	SW8260	391659	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
Trip Blank-111405	SW8260	391659	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	LCSD %R high, %RSD>15%	na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8270C	391660	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8260	391660	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8260	391660	TOLUENE	0.36	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA01-1105-MID-FIL-111405	SW8260	391660	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8260	391660	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8260	391660	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8260	391660	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8260	391660	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8260	391660	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8260	391660	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA01-1105-MID-FIL-111405	SW8260	391660	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	LCSD %R high, %RSD>15%	na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na

SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8270C	391661	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8260	391661	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8260	391661	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	UJ	Filtered > Unfiltered	na
SW-ERA01-1105-NB-FIL-111405	SW8260	391661	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8260	391661	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8260	391661	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8260	391661	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8260	391661	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8260	391661	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8260	391661	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA01-1105-NB-FIL-111405	SW8260	391661	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	LCSD %R high, %RSD>15%	na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na

SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8270C	391662	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8260	391662	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8260	391662	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	UJ	Filtered > Unfiltered	na
SW-ERA01-1105-MID-UNF-111405	SW8260	391662	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8260	391662	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8260	391662	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8260	391662	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8260	391662	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8260	391662	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8260	391662	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA01-1105-MID-UNF-111405	SW8260	391662	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	LCSD %R high, %RSD>15%	na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8270C	391663	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8260	391663	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8260	391663	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8260	391663	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8260	391663	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8260	391663	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8260	391663	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8260	391663	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8260	391663	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8260	391663	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA01-1105-NB-UNF-111405	SW8260	391663	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
Trip Blank-111405	SW8260	391664	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na

Trip Blank-111405	SW8260	391664	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
Trip Blank-111405	SW8260	391664	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
Trip Blank-111405	SW8260	391664	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
Trip Blank-111405	SW8260	391664	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
Trip Blank-111405	SW8260	391664	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111405	SW8260	391664	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111405	SW8260	391664	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
Trip Blank-111405	SW8260	391664	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
Trip Blank-111405	SW8260	391664	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW9060M	391666	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-DUP-01-1105-FIL-111405	SW9060M	391667	DISSOLVED ORGANIC CARBON	1.2	TRG	Yes	Y	J	J	Y	0.54	1.7	mg/L			na
SW-HHRA5-1105-UNF-111505	SW9060M	391668	DISSOLVED ORGANIC CARBON	0.63	TRG	Yes	Y	J	J	Y	0.54	1.7	mg/L			na
SW-HHRA6-1105-UNF-111505	SW9060M	391669	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-HHRA8-1105-UNF-111505	SW9060M	391670	DISSOLVED ORGANIC CARBON	0.72	TRG	Yes	Y	J	J	Y	0.54	1.7	mg/L			na
SW-HHRA7-1105-UNF-111505	SW9060M	391671	DISSOLVED ORGANIC CARBON	0.59	TRG	Yes	Y	J	J	Y	0.54	1.7	mg/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	NAPHTHALENE	2	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	2-METHYLNAPHTHALENE	1.4	TRG	Yes	Y	J	J	Y	1.1	3.5	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	1-METHYLNAPHTHALENE	1.4	TRG	Yes	Y	J	J	Y	1.1	3.5	ug/L	J	MS/MSD %R low	na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	ACENAPHTHENE	1.3	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L	UJ	MS/MSD RPD out	na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	BENZENE	0.23	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	ETHYLBENZENE	0.44	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na

SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	2-METHYLPHENOL (O CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8 ug/L	UJ	%RSD>15%	na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	NAPHTHALENE	2.2	TRG	Yes	Y	J	J	Y	1.1	3.6 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6 ug/L			na
SW ERA2 1105-MID-FIL	MS/MSD-111405	SW8270C	391666	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8270C	391666	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8260	391666	BENZENE	0.19	TRG	Yes	Y	J	J	Y	0.14	0.48 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8260	391666	TOLUENE	0.3	TRG	Yes	Y	J	J	Y	0.25	0.83 ug/L	J	F. DUP	na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8260	391666	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56 ug/L	UJ	F. DUP	na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8260	391666	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8260	391666	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8260	391666	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8260	391666	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8260	391666	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8260	391666	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45 ug/L			na
SW-ERA2-1105-MID-FIL	MS/MSD-111405	SW8260	391666	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8 ug/L	UJ	%RSD>15%	na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	NAPHTHALENE	2.1	TRG	Yes	Y	J	J	Y	1.1	3.6 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4 ug/L			na
SW DUP 01-1105-FIL-111405		SW8270C	391667	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3 ug/L			na
SW-DUP-01-1105-FIL-111405		SW8270C	391667	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2 ug/L			na

SW-DUP-01-1105-FIL-111405	SW8270C	391667	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	BENZENE	0.22	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	UJ	F. DUP	na
SW-DUP-01-1105-FIL-111405	SW8260	391667	ETHYLBENZENE	0.28	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L	J	F. DUP	na
SW-DUP-01-1105-FIL-111405	SW8260	391667	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	NAPHTHALENE	1.7	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	BENZENE	0.28	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	TOLUENE	0.29	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	ETHYLBENZENE	0.48	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	M P-XYLENE (SUM OF ISOMERS)	0.39	TRG	Yes	Y	J	J	Y	0.35	1.2	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na

SW-HHRA5-1105-UNF-111505	SW8260	391668	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	NAPHTHALENE	1.1	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	ETHYLBENZENE	0.19	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na

SW-HHRA8-1105-UNF-111505	SW8270C	391670	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na

SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
Trip Blank-111505	SW8260	391672	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
Trip Blank-111505	SW8260	391672	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
Trip Blank-111505	SW8260	391672	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
Trip Blank-111505	SW8260	391672	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
Trip Blank-111505	SW8260	391672	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
Trip Blank-111505	SW8260	391672	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391672	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391672	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
Trip Blank-111505	SW8260	391672	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
Trip Blank-111505	SW8260	391672	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-DUP03-1105-FIL-111505	SW9060M	391673	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW9060M	391674	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-ERA4-1105-MID-FIL-111505	SW9060M	391675	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-ERA6-1105-MID-FIL-111505	SW9060M	391678	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-ERA6-1105-NB-FIL-111505	SW9060M	391680	DISSOLVED ORGANIC CARBON	0.75	TRG	Yes	Y	J	J	Y	0.54	1.7	mg/L			na
SQ EquipBlank 01-1105-111505	SW9060M	391683	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-DUP03-1105-FIL-111505	SW8270C	391673	NAPHTHALENE	1.6	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L	J	F> DUP	na
SW-DUP03-1105-FIL-111505	SW8270C	391673	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na

SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	BENZENE	0.22	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	TOLUENE	0.48	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	NAPHTHALENE	1.1	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L	J	F. DUP	na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8260	391674	BENZENE	0.25	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8260	391674	TOLUENE	0.54	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8260	391674	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8260	391674	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8260	391674	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8260	391674	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8260	391674	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8260	391674	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8260	391674	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8260	391674	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na

SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	TOLUENE	0.39	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na

SW-ERA4-1105-MID-UNF 111505	SW8270C	391676	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	BENZENE	0.21	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	TOLUENE	0.51	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	ETHYLBENZENE	0.22	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L	J	Filtered > Unfiltered	na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	BENZENE	0.23	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	TOLUENE	0.39	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	ETHYLBENZENE	0.39	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	M,P-XYLENE (SUM OF ISOMERS)	0.4	TRG	Yes	Y	J	J	Y	0.35	1.2	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na

SW-ERA4-1105-NB-UNF-111505	SW8260	391677	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	TOLUENE	0.36	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na

SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	BENZENE	0.16	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	TOLUENE	0.38	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	ETHYLBENZENE	0.23	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	M,P-XYLENE (SUM OF ISOMERS)	0.35	TRG	Yes	Y	J	J	Y	0.35	1.2	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	BENZENE	0.18	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	TOLUENE	0.4	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na

SW-ERA6-1105-NB-FIL-111505	SW8260	391680	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	BENZENE	0.17	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	TOLUENE	0.3	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	ETHYLBENZENE	0.24	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
Trip Blank-111505	SW8260	391682	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
Trip Blank-111505	SW8260	391682	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
Trip Blank-111505	SW8260	391682	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
Trip Blank-111505	SW8260	391682	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
Trip Blank-111505	SW8260	391682	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
Trip Blank-111505	SW8260	391682	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391682	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391682	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
Trip Blank-111505	SW8260	391682	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na

Trip Blank-111505	SW8260	391682	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SQ EquipBlank 01-1105-111505	SW8270C	391683	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SQ EquipBlank 01 1105-111505	SW8270C	391683	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank 01-1105-111505	SW8260	391683	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SQ EquipBlank 01-1105-111505	SW8260	391683	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SQ EquipBlank 01-1105-111505	SW8260	391683	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SQ EquipBlank 01-1105-111505	SW8260	391683	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SQ EquipBlank 01-1105-111505	SW8260	391683	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SQ EquipBlank 01-1105-111505	SW8260	391683	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SQ EquipBlank 01-1105-111505	SW8260	391683	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SQ EquipBlank 01-1105-111505	SW8260	391683	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SQ EquipBlank 01-1105-111505	SW8260	391683	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SQ EquipBlank 01-1105-111505	SW8260	391683	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-DUP04-1105-UNF-111505	SW9060M	391684	DISSOLVED ORGANIC CARBON	1.2	TRG	Yes	Y	J	J	Y	0.54	1.7	mg/L			na
SW-HHRA4-1105-UNF-111505	SW9060M	391686	DISSOLVED ORGANIC CARBON	1.2	TRG	Yes	Y	J	J	Y	0.54	1.7	mg/l			na
SW-ERA8-1105-MID-FIL-111505	SW9060M	391687	DISSOLVED ORGANIC CARBON	2.3	TRG	Yes	Y			Y	0.54	1.7	mg/L			na
SW-ERA5-1105-NB-FIL-111505	SW9060M	391689	DISSOLVED ORGANIC CARBON	2	TRG	Yes	Y			Y	0.54	1.7	mg/L			na
SW-ERA5-1105-MID-FIL-111505	SW9060M	391690	DISSOLVED ORGANIC CARBON	2	TRG	Yes	Y			Y	0.54	1.7	mg/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-DUP04-1105-UNF-111505	SW8270C	391684	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na

SW-DUP04-1105-UNF-111505	SW8270C	391684	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	BENZENE	0.25	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	TOLUENE	0.28	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	0.83 U	TB CONT	na
SW-DUP04-1105-UNF-111505	SW8260	391684	ETHYLBENZENE	0.37	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	M,P-XYLENE (SUM OF ISOMERS)	0.37	TRG	Yes	Y	J	J	Y	0.35	1.2	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
Trip Blank-111505	SW8260	391685	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
Trip Blank-111505	SW8260	391685	TOLUENE	0.27	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
Trip Blank-111505	SW8260	391685	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
Trip Blank-111505	SW8260	391685	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
Trip Blank-111505	SW8260	391685	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
Trip Blank-111505	SW8260	391685	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391685	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391685	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
Trip Blank-111505	SW8260	391685	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
Trip Blank-111505	SW8260	391685	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na

SW-HHRA4-1105-UNF-111505	SW8270C	391686	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	BENZENE	0.19	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	ETHYLBENZENE	0.33	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	TOLUENE	0.54	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	0.83 U	TB CONT	na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na

SW-ERA8-1105-MID-FIL-111505	SW8260	391687	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na

SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	BENZENE	0.14	TRG	Yes	Y	J	J	Y	0.14	0.48 ug/L	J	Filtered > Unfiltered	na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	TOLUENE	0.6	TRG	Yes	Y	J	J	Y	0.25	0.83 ug/L	0.83 U	TB CONT.	na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45 ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8 ug/L	UJ	%RSD>15%	na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4 ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1 ug/L			na

SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	TOLUENE	0.41	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na

SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	ETHYLBENZENE	0.2	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW9060M	391693	DISSOLVED ORGANIC CARBON	2.6	TRG	Yes	Y			Y	0.54	1.7	mg/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW9060M	391694	DISSOLVED ORGANIC CARBON	2.2	TRG	Yes	Y			Y	0.54	1.7	mg/L			na
SW-ERA7-1105-MID-FIL-111505	SW9060M	391698	DISSOLVED ORGANIC CARBON	1.8	TRG	Yes	Y			Y	0.54	1.7	mg/L			na
SW-ERA7-1105-NB-FIL-111505	SW9060M	391699	DISSOLVED ORGANIC CARBON	2.3	TRG	Yes	Y			Y	0.54	1.7	mg/L			na
SQ EquipBlank-02-1105-111505	SW9060M	391702	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	NAPHTHALENE	2	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L	J	Filtered > Unfiltered	na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na

NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	BENZENE	0.16	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	TOLUENE	0.27	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	ETHYLBENZENE	0.21	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	NAPHTHALENE	1.6	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L	J	Filtered > Unfiltered	na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	BENZENE	0.15	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	ETHYLBENZENE	0.22	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na

NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L	J	Filtered > Unfiltered	na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	BENZENE	0.17	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	ETHYLBENZENE	0.4	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L	J	Filtered > Unfiltered	na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na

NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	BENZENE	0.15	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	ETHYLBENZENE	0.39	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
Trip Blank-111505	SW8260	391697	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
Trip Blank-111505	SW8260	391697	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
Trip Blank-111505	SW8260	391697	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
Trip Blank-111505	SW8260	391697	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
Trip Blank-111505	SW8260	391697	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
Trip Blank-111505	SW8260	391697	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391697	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391697	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
Trip Blank-111505	SW8260	391697	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
Trip Blank-111505	SW8260	391697	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na

SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	TOLUENE	0.46	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	0.83 U	EB CONT	na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	BENZENE	0.33	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	TOLUENE	0.57	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L	UJ	PAST HT	na

SW-ERA7-1105-NB-FIL-111505	SW8260	391699	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	BENZENE	0.53	TRG	Yes	Y			Y	0.14	0.48	ug/L	J	SR %R high	na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	TOLUENE	0.28	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	SR %R high	na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	ETHYLBENZENE	0.17	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L	J	SR %R high	na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na

SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	BENZENE	0.47	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SQ EquipBlank-02-1105-111505	SW8270C	391702	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na

SQ EquipBlank-02-1105-111505	SW8270C	391702	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	BENZENE	0.45	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	TOLUENE	0 59	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0 45	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0 68	ug/L			na

ATTACHMENT 2
(TICs)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1F Case No : NA SAS No.: NA SDG No.: 94479

Matrix: (soil/water) WATER Lab Sample ID: 391655

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 391655

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.00 Date Analyzed: 11/18/05

GC Column: RTX-VMS ID: 0.25(mm) Dilution Factor: 1.00

Soil Extract Volume: 0.00(uL) Soil Aliquot Volume: 0.00(uL)

CONCENTRATION UNITS:
Number TICs found: 1.00 (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	1664757	4
5	300-57-2	Benzene, 2-propenyl-	24:32	2102	1.10	183835	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94479

Matrix: (soil/water) WATER Lab Sample ID: 391656

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391656

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/18/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1120	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:05	1206	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: LE Case No.: NA SAS No.: NA SDG No.: 94479

Matrix: (soil/water) WATER Lab Sample ID: 391657

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391657

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/18/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: LE Case No.: NA SAS No.: NA SDG No.: 94479

Matrix: (soil/water) WATER Lab Sample ID: 391658

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391658

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/18/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:03	1204	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94479

Matrix: (soil/water) WATER Lab Sample ID: 391659

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391659

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/18/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94479

Matrix: (soil/water) WATER Lab Sample ID: 391660

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391660

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/18/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1120	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:05	1206	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94479

Matrix: (soil/water) WATER Lab Sample ID: 391661

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391661

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/18/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94179

Matrix: (soil/water) WATER Lab Sample ID: 391662

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391662

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/18/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 1.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1120	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:05	1206	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	2110282	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4
5	488-97-1	Tricyclo[2.2.1.02,6]heptane, 1,3,3-t	20:55	1792	0.74	155791	3

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94479

Matrix: (soil/water) WATER Lab Sample ID: 391663

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391663

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/18/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94479

Matrix: (soil/water) WATER Lab Sample ID: 391664

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391664

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/18/05

GC Column: RTX-VMS ID. 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112905\391655.D Vial: 8
Acq On : 29 Nov 2005 6:03 pm Operator: RW
Sample : 391655_1X Inst : GC/MS Ins
Misc : SW-HHRA3-11/05-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Heptene, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	7.18 ug/ml	409410	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	12
2	Isoxazole	69	C3H3NO	000288-14-2	9
3	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	9
4	1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	9
5	Butane, 1-bromo-3-methyl-	150	C5H11Br	000107-82-4	9

****
Peak Number 2 1-Butene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	4.04 ug/ml	230271	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	36
2	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	33
3	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	16
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	12
5	Isoxazole	69	C3H3NO	000288-14-2	9

****
Peak Number 3 2H-Pyran, 3,4-dihydro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	4.45 ug/ml	253754	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	53
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	50
4	3-Hexene, (E)-	84	C6H12	013269-52-8	43
5	2-Hexene, (E)-	84	C6H12	004050-45-7	43

****
Peak Number 4 Cyclohexane, 1-methyl-2-propyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.

4.18	5.71 ug/ml	325328	I-1,4 Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
3	Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	49
4	Pyridine, 3-fluoro-	97	C5H4FN	000372-47-4	58
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	52

****

Peak Number 5 Azulene, 1,2,3,5,6,7,8,8a-octa Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.89	7.78 ug/ml	466742	I-Perylene-d12-(ISTD)	19.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 1,2,3,5,6,7,8,8a-octahydro	204	C15H24	003691-11-0	90
2	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	89
3	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	58
4	2-Naphthalenamine, 1,2,4a,5,6,7,8,8	165	C11H19N	056053-03-3	25
5	Cyclohexane, 1,2-dimethyl-3,5-bis(1	192	C14H24	062337-99-9	25

391655.D 8270-159.M Thu Dec 01 14:19:25 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112905\391656.D Vial: 9
Acq On : 29 Nov 2005 6:36 pm Operator: RW
Sample : 391656_1X Inst : GC/MS Ins
Misc : SW-DUP02-11/05-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Butenal, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	6.01 ug/ml	342528	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
2	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	50
3	2-Hexene	84	C6H12	000592-43-8	43
4	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	42
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	32

****

Peak Number 2 Cyclohexane, 1,3-dimethyl-, tr Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.18	6.56 ug/ml	373911	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	64
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	59
4	Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	59
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	59

391656.D 8270-159.M Thu Dec 01 14:20:09 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112905\391657.D Vial: 10
Acq On : 29 Nov 2005 7:10 pm Operator: RW
Sample : 391657_1X Inst : GC MS Ins
Misc : SW-HHRA1-11/05-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rtinit2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Heptene, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	4.68 ug/ml	270195	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	25
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	12
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	12
4	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	10
5	Isoxazole	69	C3H3NO	000288-14-2	9

****
Peak Number 2 2H-Pyran, 3,4-dihydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	5.97 ug/ml	344529	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	59
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	53
4	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	50
5	2-Hexene, (E)-	84	C6H12	004050-45-7	43

****
Peak Number 3 Cyclohexane, 1-methyl-2-propyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	6.37 ug/ml	367425	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
3	Cyclohexane, 1-ethyl-2-methyl-, cis	126	C9H18	004923-77-7	59
4	7-Tridecanol	200	C13H28O	000927-45-7	59
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	59

391657.D 8270-159.M Thu Dec 01 14:20:42 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112905\391658.D Vial: 11
Acq On : 29 Nov 2005 7:43 pm Operator: RW
Sample : 391658_1X Inst : GC/MS Ins
Misc : SW-HHRA2-11/05-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1-Heptene, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	5.70 ug/ml	324987	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	16
2	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	12
3	Propanoic acid, 2-methyl-, anhydrid	158	C8H14O3	000097-72-3	9
4	Butane, 1-bromo-3-methyl-	150	C5H11Br	000107-82-4	9
5	Butane, 1-bromo-3-methyl-	150	C5H11Br	000107-82-4	9

****

Peak Number 2 2H-Pyran, 3,4-dihydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	6.60 ug/ml	376252	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	53
3	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	50
4	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	50
5	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	49

391658.D 8270-159.M Thu Dec 01 14:21:20 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112905\391660.D Vial: 12
Acq On : 29 Nov 2005 8:17 pm Operator: RW
Sample : 391660_1X Inst : GC/MS Inf
Misc : SW-ERA01-11/05-MID-FIL Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Butyrolactone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.00	10.45 ug/ml	586371	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyrolactone	86	C4H6O2	000096-48-0	72
2	Butanoic acid, 4-chloro-	122	C4H7ClO2	000627-00-9	72
3	Butyrolactone	86	C4H6O2	000096-48-0	72
4	Butyrolactone	86	C4H6O2	000096-48-0	72
5	Butyrolactone	86	C4H6O2	000096-48-0	64

****

Peak Number 2 Cyclohexane, 1-methyl-2-propyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	6.58 ug/ml	369417	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	59
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
4	Cyclohexane, 1-ethyl-2-methyl-, cis	126	C9H18	004923-77-7	53
5	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	53

****

Peak Number 3 Caprolactam Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	6.21 ug/ml	436694	I-Naphthalene-d8-(ISTD)	6.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caprolactam	113	C6H11NO	000105-60-2	91
2	Caprolactam	113	C6H11NO	000105-60-2	80
3	Aminocaproic Acid	131	C6H13NO2	000060-32-2	50
4	N-Allyl-N-ethylformamide	113	C6H11NO	000000-00-0	50
5	Cyclopropane, 1-ethyl-2-methyl-, ci	84	C6H12	019781-68-1	38

****

Peak Number 4 Benzoic acid, 2,3-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.

8.93	ug/ml	712022	I-Acenaphthene-d10-(ISTD)	8.79

Hit#	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,3-dichloro-	190	C7H4Cl2O2	000050-45-3	98
2	Benzoic acid, 2,5-dichloro-	190	C7H4Cl2O2	000050-79-3	95
3	Benzoic acid, 3,4-dichloro-	190	C7H4Cl2O2	000051-44-5	95
4	Benzoic acid, 2,6-dichloro-	190	C7H4Cl2O2	000050-30-6	93
5	Benzoic acid, 2,4-dichloro-	190	C7H4Cl2O2	000050-84-0	93

****

Peak Number 5 .Psi.,.psi.-Carotene, 7,7',8,8 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	4.03 ug/ml	237831	I-Perylene-d12-(ISTD)	19.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.Psi.,.psi.-Carotene, 7,7',8,8',11,	547	C40H66	000502-62-5	83
2	2,6,10-Dodecatrien-1-ol, 3,7,11-tri	222	C15H26O	004602-84-0	64
3	1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	59
4	3,7,11-Tridecatrienenitrile, 4,8,12	231	C16H25N	006006-01-5	56
5	1,6-Octadiene, 3,5-dimethyl-, trans	138	C10H18	000000-00-0	53

391660.D 8270-159.M Thu Dec 01 14:27:41 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112905\391661.D Vial: 13
Acq On : 29 Nov 2005 8:50 pm Operator: RW
Sample : 391661 1X Inst : GC/MS Ins
Misc : SW-ERA01 1105-NB-FIL Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Butyrolactone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.00	11.06 ug/ml	623854	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyrolactone	86	C4H6O2	000096-48-0	72
2	Butyrolactone	86	C4H6O2	000096-48-0	72
3	Butanoic acid, 4-chloro-	122	C4H7ClO2	000627-00-9	72
4	Butyrolactone	86	C4H6O2	000096-48-0	72
5	Butyrolactone	86	C4H6O2	000096-48-0	64

391661.D 8270-159.M Thu Dec 01 14:27:58 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112905\391662.D Vial: 14
Acq On : 29 Nov 2005 9:23 pm Operator: RW
Sample : 391662_1X Inst : GC/MS Ins
Misc : SW-ERA01-11/05-MID-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rtehint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1-Hexene, 4,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	4.22 ug/ml	236750	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	10
2	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	10
3	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	10
4	1-Octene, 3-ethyl-	140	C10H20	074630-08-3	10
5	Isoxazole	69	C3H3NO	000288-14-2	9

****

Peak Number 2 2H-Pyran, 3,4-dihydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	5.68 ug/ml	318609	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	53
3	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	50
4	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	45
5	n-Propylcyclopropanemethylamine	113	C7H15N	026389-60-6	38

****

Peak Number 3 Cyclohexane, 1-methyl-2-propyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	6.22 ug/ml	348852	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	80
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	64
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	64

Data Assessment Report
Sample Delivery Group 94480
NSP Lakefront – High Energy Surface Water Samples
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Superfund Site Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Northern Lake Service, Inc., Crandon, Wisconsin performed the analyses for this project. The parameter group and test method were as follows:

- Volatile Organic Compounds (VOCs) – by SW846[1] Method 8260B
- Semi-Volatile Organic Compounds (SVOCs) – by SW846 Method 3510C (Acid/Base Extraction) and Method 8270C
- Dissolved Organic Carbon (DOC) – by SW846 Method 9060M

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a validation of all analytical results to assess data quality. A validation includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Agreement of analyses conducted with the chain-of-custody (COC)
- Holding Times/Sample Preservation - review of log-in records for cooler temperature, presence of headspace, chemical preservation, and preparation/extraction logs
- Instrument tuning (GC/MS only)
- Instrument calibrations (initial and continuing)
- Method blank results/laboratory contamination and field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Surrogate recoveries and comparison to laboratory control limits (organic analyses only)
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Internal Standards and comparison to lab criteria (organic analyses only)
- Field replicate/duplicate results and comparison to data review criteria

[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996, Revised April 1998.

- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Quantitation limits, dilutions and analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report
- Interference check samples/ Serial dilutions/Linearity check samples (Metals only)
- Post-digestion spikes (Metals only, if performed)

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1.

III. DATA USEABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

2. Sample Receipt – Seven surface water samples and one trip blank were submitted to the laboratory. The sample temperature at the time of receipt was not indicated. Samples were received intact. Custody seals were not present on the coolers because the samples were dropped off directly by the URS crew to NLS staff; therefore, no qualification of data is required. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on October 14, 15, and 16, 2005. The laboratory received the samples on October 16, 2005.

3. Holding Times – The laboratory extracted all of the samples within the recommended hold time.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical results, laboratory reporting limits, dilution factor, units of measure, analytical batch number, and date of the analysis. An "ND" qualifier was used for non-detect results. Brackets [] were used by the laboratory to indicate estimated results greater than or equal to the limit of detection (LOD) but below the limit of quantitation (LOQ). A "*" qualifier was used for values outside of contract required QC limits.

Results where QC criteria were not met were qualified as estimated (J for positive results or UJ for non-detects) by URS. Results for Tentatively Identified Compounds (TICs) were presented in the raw data only. The TICs summary forms are provided at the end of this report (Attachment 2). All samples marked for DOC analysis were filtered and preserved by the lab prior to analysis.

5. Filtered vs. Unfiltered – All samples marked for DOC analysis were filtered and preserved by the lab prior to analysis. A comparison was made between samples SW-ERA2-1105-MID-FIL and SW-ERA2-1105-MID-UNF. For SVOCs, the compound naphthalene was detected in the filtered sample at a detection level that was greater than the unfiltered level for sample. The result was qualified as estimated (J) in both samples. For VOCs, the compound toluene was detected in the filtered sample and non-detect in the unfiltered sample. The result was qualified as estimated (J or UJ) in both samples. The compounds acenaphthene, 1-methylnaphthalene, 2-methylnaphthalenebenzene, toluene, ethylbenzene and benzene were also detected at concentrations that did not impact the sample results (i.e., the sample concentration in the filtered sample was less than the unfiltered concentration); therefore, no qualification was required in the associated samples.

6. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. For example, the laboratory ID 391665 corresponds to sample SW-ERA2-1105-MID-UNF. The project sample analyses can be traced to the QC sample analyses through this number.

7. Laboratory Method Blanks – The method blank results for the VOCs, SVOCs, and DOC analyses were all non-detect (ND). No qualification of data was required.

8. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) and relative percent differences (RPDs) for the DOC analyses were within the laboratory control limits. For the SVOCs, the RPD for 3 & 4 methylphenol exceeded the control limit. The results for 3 & 4 methylphenol in all samples were qualified as estimated (UJ). For the VOCs, the %R for acrolein exceeded the upper control limit. Since acrolein is not a target compound, no qualification of results was required.

9. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Sample SW-ERA2-1105-MID-FIL was submitted for VOC, SVOC and DOC MS/MSD analyses. The %R and RPD for the VOCs and DOC were within the laboratory acceptance limits. For the SVOCs, the %R for 1-methylnaphthalene was below the control limits and the RPD for perylene exceeded the acceptance criterion. The project sample results for these two compounds were qualified as estimated (J or UJ).

10. Laboratory (Method) Duplicates (MDs) – The laboratory did not select any of the project samples for method duplicate analysis (also called replicate sample).

11. Field Duplicates – Sample SW-DUP-01-1105 was submitted as a field duplicate of sample SW-ERA2-1105-MID-FIL. The RPD for toluene and ethylbenzene were not calculated since one of the results was detect and the other was non-detect. Both results were qualified as estimated (J or UJ).

12. Field QC Samples – URS submitted one trip blank with this SDG. All results in the trip blanks were non-detect. No qualification of results was required.

13. Dilutions –No dilutions were necessary for any of the project samples.

14. Surrogates – All VOC and SVOC surrogate recoveries were within the laboratory limits.

15. Internal Standards – All VOC and SVOC internal standard areas were within the laboratory control limits.

16. Initial Calibrations (ICAL)[2] – SW-846 guidance states that the mean response factor (mean RF) may be used for quantitation if the relative standard deviation (RSD) of the response factors is less than or equal to 15% for GC/MS (otherwise, a linear or higher order curve should be generated). In general, linear initial calibration curves must have a correlation coefficient (r) of 0.995 or (r^2 equal or greater than 0.990), and higher order curves must have a coefficient of determination (COD) of 0.990 or greater. Initial calibrations that exceed the method criteria result in qualification (J or UJ) or rejection (R) of associated data, depending on the severity of the exceedance. The initial calibration criteria were met for all VOC target compounds. For the SVOCs, 3 & 4 methylphenol had %RSD of 15.83 for instrument GC/MS Ins from 11/29/05. The results for 3 & 4 methylphenol were qualified as estimated (J or UJ) in all samples.

    Furthermore, Method 8260B requires that the mean RF be greater than 0.10 for three of the five System Performance Check Compounds (SPCCs) (chloromethane, 1,1-dichloroethane and bromoform) and greater than 0.30 for the remaining two SPCCs (chlorobenzene and 1,1,2,2-tetrachloroethane). For all non-SPCC compounds, the EPA National Functional Guidelines[3] criterion of 0.05 was applied. For the VOCs mean RFs were acceptable for all SPCC and non-SPCC compounds.

    Method 8270C requires that the mean RF be greater than 0.05 for the four SPCCs (n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol). This criterion was met for all compounds, including non-SPCC targets.

    The calibration coefficient for DOC was greater than 0.990. No qualification of results was required.

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[2] The ICAL for SDGs 94479, 94480, 94481, 94482, and 94483 is listed in SDG 94479 and the ICAL for the SVOCs is listed in SDG 94483.

[3] *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

17. Continuing Calibration (CCAL) – For the VOC and SVOC analyses, the percent drift (%Drift) from the true value has to be equal to or less than 25 percent. The %Drift for all target compounds were at or below 25%.

18. GC/MS Tunes – For the VOCs, the frequency and abundance of the bromofluorobenzene (BFB) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours from the BFB tunes. For the SVOCs, the frequency and abundance of the decafluorotriphenylphosphine (DFTPP) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours of the DFTPP tunes.

19. Electronic Data Deliverables (EDDs) – A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, Ashland/NSP Lakefront Superfund Site, Ashland, Wisconsin, Quality Assurance Project Plan RI/FS Tasks, Revision 03. February 2005.

Table 1
Qualifiers for SDG 94480

Sample Identifications	Sample Analyses	Data Qualifiers[1]
SW-ERA2-1105-MID-UNF (391665)	VOCs	• The result for toluene was qualified as estimated (J) due to a concentration above the filtered concentration level.
	SVOCs	• The result for perylene was qualified as estimated (UJ) due to MS/MSD RPD exceeding acceptance criterion. • The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent. • The result for 1-methylnaphthalene was qualified as estimated (J) due to MS/MSD %R below the control limit. • The result for naphthalene was qualified as estimated (J) due to a concentration above the filtered concentration level.
	DOC	• None
SW-ERA2-1105-MID-FIL (391666)	VOCs	• The result for ethylbenzene and toluene were qualified as estimated (J or UJ) due to field duplicate discrepancies.
		• The result for toluene was qualified as estimated (J) due to a concentration below the unfiltered concentration level.

Table 1
Qualifiers for SDG 94480

Sample Identifications	Sample Analyses	Data Qualifiers[1]
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
		• The result for naphthalene was qualified as estimated (J) due to a concentration below the unfiltered concentration level.
	DOC	• None
SW-DUP-01-1105-FIL (391667) *Field Duplicate*	VOCs	• The result for ethylbenzene and toluene were qualified as estimated (J or UJ) due to field duplicate discrepancies.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-HHRA5-1105-UNF (391668)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-HHRA6-1105-UNF (391669)	VOCs	
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-HHRA8-1105-UNF (391670)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-HHRA7-1105-UNF (391671)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
Trip Blank (391672) *Trip Blank*	VOCs	• None

Data Qualifier Definitions. The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the LOQ.
J = Estimated concentration because the result was below the sample LOQ or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample LOQ.
R = The result was rejected. The presence or absence of the compound cannot be determined.
[1] The laboratory used the qualifier (ND) for non-detect, [ ] for positive results above the LOD but below the LOQ, and (*) for QC values outside the CL.

ATTACHMENT 1
(Validated Data Spreadsheet)

SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	NAPHTHALENE	2	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L	J	Filtered > Unfiltered	na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	2-METHYLNAPHTHALENE	1.4	TRG	Yes	Y	J	J	Y	1.1	3.5	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	1-METHYLNAPHTHALENE	1.4	TRG	Yes	Y	J	J	Y	1.1	3.5	ug/L	J	MS/MSD %R low	na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	ACENAPHTHENE	1.3	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L	UJ	MS/MSD RPD out	na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8270C	391665	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	BENZENE	0.23	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	UJ	Filtered > Unfiltered	na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	ETHYLBENZENE	0.44	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA2-1105-MID-UNF-111405	SW8260	391665	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	NAPHTHALENE	2.2	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L	J	Filtered > Unfiltered	na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na

SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8270C	391666	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8260	391666	BENZENE	0.19	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8260	391666	TOLUENE	0.3	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	F. DUP. Filtered >Unfiltered	na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8260	391666	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L	UJ	F. DUP	na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8260	391666	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8260	391666	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8260	391666	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8260	391666	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8260	391666	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8260	391666	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA2-1105-MID-FIL MS/MSD-111405	SW8260	391666	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	NAPHTHALENE	2.1	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8270C	391667	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	BENZENE	0.22	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	UJ	F. DUP	na
SW-DUP-01-1105-FIL-111405	SW8260	391667	ETHYLBENZENE	0.28	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L	J	F. DUP	na
SW-DUP-01-1105-FIL-111405	SW8260	391667	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na

SW-DUP-01-1105-FIL-111405	SW8260	391667	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-DUP-01-1105-FIL-111405	SW8260	391667	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	NAPHTHALENE	1.7	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8270C	391668	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	BENZENE	0.28	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	TOLUENE	0.29	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	ETHYLBENZENE	0.48	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	M,P-XYLENE (SUM OF ISOMERS)	0.39	TRG	Yes	Y	J	J	Y	0.35	1.2	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-HHRA5-1105-UNF-111505	SW8260	391668	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	NAPHTHALENE	1.1	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na

SW-HHRA6-1105-UNF-111505	SW8270C	391669	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8270C	391669	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	ETHYLBENZENE	0.19	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-HHRA6-1105-UNF-111505	SW8260	391669	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na

SW-HHRA8-1105-UNF-111505	SW8270C	391670	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8270C	391670	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-HHRA8-1105-UNF-111505	SW8260	391670	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8270C	391671	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-HHRA7-1105-UNF-111505	SW8260	391671	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
Trip Blank-111505	SW8260	391672	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
Trip Blank-111505	SW8260	391672	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
Trip Blank-111505	SW8260	391672	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
Trip Blank-111505	SW8260	391672	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na

Trip Blank-111505	SW8260	391672	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L	na
Trip Blank-111505	SW8260	391672	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L	na
Trip Blank-111505	SW8260	391672	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L	na
Trip Blank-111505	SW8260	391672	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L	na
Trip Blank-111505	SW8260	391672	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L	na
Trip Blank-111505	SW8260	391672	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L	na

ATTACHMENT 2
(TICs)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94480

Matrix: (soil/water) WATER Lab Sample ID: 391666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391666

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/21/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:05	1121	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:05	1207	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94480

Matrix: (soil/water) WATER Lab Sample ID: 391667

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391667

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/21/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
		*Pentafluorobz-(ISTD)	13:05	1121	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:05	1207	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:31	1672	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94480

Matrix: (soil/water) WATER Lab Sample ID: 391668

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391668

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/21/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 1.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1	*Pentafluorobz-(ISTD)		13:05	1121	10.00	0	1
2	*1,4-Difluorobz-(ISTD)		14:05	1207	10.00	0	2
3	*Chlorobenz-d5-(ISTD)		19:31	1672	10.00	0	3
4	*1,4-DCB-d4-(ISTD)		24:11	2073	10.00	2092840	4
5	620-14-4	Benzene, 1-ethyl-3-methyl-	22:16	1908	0.45	93456	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94480

Matrix: (soil/water) WATER Lab Sample ID: 391669

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391669

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/21/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 1.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:05	1121	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:05	1207	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:31	1672	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:12	2073	10.00	2052078	4
5	496-11-7	Indane	24:33	2104	0.41	83972	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94480

Matrix: (soil/water) WATER Lab Sample ID: 391670

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391670

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/21/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:05	1121	10.00	0	
2		*1,4-Difluorobz-(ISTD)	14:05	1207	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94480

Matrix: (soil/water) WATER Lab Sample ID: 391671

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391671

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/21/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
		*Pentafluorobz-(ISTD)	13:04	1120	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:05	1206	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 24450

Matrix: (soil/water) WATER Lab Sample ID: 391672

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391672

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/21/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1120	10.00	0	
2		*1,4-Difluorobz-(ISTD)	14:05	1206	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\113005\391665.D Vial: 8
Acq On : 30 Nov 2005 5:14 pm Operator: RW
Sample : 391665_1X Inst : GC/MS Ins
Misc : SW-ERA2-1105-MID-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Pentene, 3,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	6.73 ug/ml	357707	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	37
2	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	32
3	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	25
4	4-Ethyl-1-hexene	112	C8H16	000000-00-0	25
5	3-Ethyl-4-octanol	158	C10H22O	063126-48-7	25

****
Peak Number 2 2H-Pyran, 3,4-dihydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	5.23 ug/ml	277696	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
3	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	50
4	3-Hexene, (E)-	84	C6H12	013269-52-8	43
5	2-Hexene	84	C6H12	000592-43-8	43

391665.D 8270-159.M Tue Dec 06 10:57:00 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\113005\391666.D Vial: 9
Acq On : 30 Nov 2005 5:48 pm Operator: RW
Sample : 391666 1X Inst : GC/MS Ins
Misc : SW-ERA2-1105-MID-FIL Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2H-Pyran, 3,4-dihydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	4.04 ug/ml	215580	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	53
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	53
4	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	49
5	2-Hexene, (E)-	84	C6H12	004050-45-7	43

****

Peak Number 2 Cyclohexane, 1-methyl-2-propyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.16	6.16 ug/ml	329074	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	59
4	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	59
5	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	53

391666.D 8270-159.M Tue Dec 06 10:57:33 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\113005\391667.D Vial: 10
Acq On : 30 Nov 2005 6:21 pm Operator: RW
Sample : 391667_1X Inst : GC/MS Ins
Misc : SW-DUP-01-1105-FIL Multipl: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

No Library Search Compounds Detected

****
391667.D 8270-159.M Tue Dec 06 10:58:01 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\113005\391668.D Vial: 11
Acq On : 30 Nov 2005 6:55 pm Operator: RW
Sample : 391668_1X Inst : GC/MS Ins
Misc : SW-EHRA5-1105-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 2-Undecene, 4,5-dimethyl-, [R@ Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	5.23 ug/ml	277055	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecene, 4,5-dimethyl-, [R@,R@-(	182	C13H26	055170-92-8	36
2	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	33
3	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	32
4	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	28
5	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	25

****
Peak Number 2 2H-Pyran, 3,4-dihydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	5.51 ug/ml	291767	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
3	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	53
4	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	53
5	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	45

****
Peak Number 3 Cyclohexane, 1-methyl-2-propyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.16	6.09 ug/ml	322127	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	80
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	72
3	Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	64
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	64
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64

391668.D 8270-159.M Tue Dec 06 10:59:08 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\113005\391669.D Vial: 12
Acq On : 30 Nov 2005 7:29 pm Operator: RW
Sample : 391669_1X Inst : GC/MS Ins
Misc : SW-HHRA6-1105-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Heptene, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	10.68 ug/ml	566317	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	32
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	12
3	Propanoic acid, 2-methyl-, anhydrid	158	C8H14O3	000097-72-3	12
4	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	10
5	Isoxazole	69	C3H3NO	000288-14-2	9

****
Peak Number 2 1-Heptene, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.38	6.03 ug/ml	319725	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	25
2	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	25
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	17
4	1-Hydroxy-3-methyl-2-butanone	102	C5H10O2	036960-22-2	10
5	Isoxazole	69	C3H3NO	000288-14-2	9

****
Peak Number 3 Furan, 2,3-dihydro-4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	5.21 ug/ml	275965	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	59
2	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
3	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	53
4	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	53
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	38

****
Peak Number 4 Cyclohexane, 1-methyl-2-propyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.

4.16	6.68 ug/ml	354073	1-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl	140	C10H20	004291-79-6	86
2	7-Tridecanol	200	C13H28O	000927-45-7	72
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	72
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
5	Oxazole, 4,5-dimethyl-	97	C5H7NO	120662-83-3	64

391669.D 8270-159.M Tue Dec 06 10:59:36 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\113005\391670.D Vial: 13
Acq On : 30 Nov 2005 8:02 pm Operator: RW
Sample : 391670_1X Inst : GC/MS Ins
Misc : SW-HHRA8-1105-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Pentyn-3-ol, 3,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	5.73 ug/ml	304242	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	40
2	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	28
3	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	25
4	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	25
5	3-Ethyl-4-octanol	158	C10H22O	063126-48-7	25

****
Peak Number 2 2H-Pyran, 3,4-dihydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	6.33 ug/ml	336173	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
3	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	50
4	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	45
5	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	40

391670.D 8270-159.M Tue Dec 06 10:59:51 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\113005\391671.D Vial: 14
Acq On : 30 Nov 2005 8:35 pm Operator: RW
Sample : 391671_1X Inst : GC/MS Ins
Misc : SW-HHRA7-1105-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Heptene, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	5.90 ug/ml	309639	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	25
2	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	17
3	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	17
4	Propanoic acid, 2-methyl-, anhydrid	158	C8H14O3	000097-72-3	12
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	12

****
Peak Number 2 2-Butenal, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	5.15 ug/ml	270494	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
2	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	53
3	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	53
4	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	50
5	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	50

****
Peak Number 3 Cyclohexane, 1-methyl-2-propyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.16	6.67 ug/ml	350219	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	86
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	78
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72

391671.D 8270-159.M Tue Dec 06 11:00:13 2005

Data Assessment Report
Sample Delivery Group 94481
NSP Lakefront – High Energy Surface Water Samples
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Superfund Site Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Northern Lake Service, Inc., Crandon, Wisconsin performed the analyses for this project. The parameter group and test method were as follows:

- Volatile Organic Compounds (VOCs) – by SW846[1] Method 8260B
- Semi-Volatile Organic Compounds (SVOCs) – by SW846 Method 3510C (Acid/Base Extraction) and Method 8270C
- Dissolved Organic Carbon (DOC) – by SW846 Method 9060M

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a validation of all analytical results to assess data quality. A validation includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Agreement of analyses conducted with the chain-of-custody (COC)
- Holding Times/Sample Preservation - review of log-in records for cooler temperature, presence of headspace, chemical preservation, and preparation/extraction logs
- Instrument tuning (GC/MS only)
- Instrument calibrations (initial and continuing)
- Method blank results/laboratory contamination and field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Surrogate recoveries and comparison to laboratory control limits (organic analyses only)
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Internal Standards and comparison to lab criteria (organic analyses only)
- Field replicate/duplicate results and comparison to data review criteria

[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA. Final Update III December 1996. Revised April 1998.

- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Quantitation limits, dilutions and analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report
- Interference check samples/ Serial dilutions/Linearity check samples (Metals only)
- Post-digestion spikes (Metals only, if performed)

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1.

III. DATA USEABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

2. Sample Receipt – Nine surface water samples, one trip blank, and one equipment blank were submitted to the laboratory. The sample temperature at the time of receipt was not indicated. Samples were received intact. Custody seals were not present on the coolers because the samples were dropped off directly by the URS crew to NLS staff; therefore, no qualification of data is required. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on October 15, 2005. The laboratory received the samples on October 16, 2005.

3. Holding Times – The laboratory extracted all of the samples within the recommended hold time.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical results, laboratory limits, dilution factor, units of measure, analytical batch number, and date of the analysis. An "ND" qualifier was used for non-detect results. Brackets [] were used by the laboratory to indicate estimated results greater than or equal to the limit of detection (LOD) but below the limit of quantitation (LOQ). A "*" qualifier was used for values outside of contract required QC limits. Results where QC criteria were not met were qualified as estimated (J for positive results or UJ for non-detects) by URS. Results for Tentatively Identified Compounds (TICs) were presented in the raw data only. The TICs summary forms are provided at the end of this report (Attachment 2).

5. Filtered vs. Unfiltered - All of the unfiltered samples marked for DOC analysis were filtered and preserved by the laboratory prior to analysis. A comparison was made between the filtered and unfiltered samples in this data set. For SVOCs, the compound naphthalene was detected in the filtered sample SW-ERA4-1105-NB-FIL and non-detect in the unfiltered sample SW-ERA4-1105-NB-UNF. The result was qualified as estimated (J or UJ) in both samples. All of the remaining comparisons for SVOCs were non-detect. No action was necessary. For VOCs, the compounds benzene and toluene were detected in the filtered sample at a detection level that was greater than the unfiltered level for samples SW-ERA4-1105-NB-FIL and SW-ERA4-1105-NB-UNF as well as SW-ERA6-1105-NB-FIL and SW-ERA6-1105-NB-UNF. The result was qualified as estimated (J or UJ) for these samples. The compounds benzene, toluene, ethylbenzene and meta,para-xylene were also detected at concentrations that did not impact the sample results (i.e., the sample concentration in the filtered sample was less than the unfiltered concentration); therefore, no qualification was required in the associated samples.

6. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. For example, the laboratory ID 391673 corresponds to sample SW-DUP03-1105-FIL. The project sample analyses can be traced to the QC sample analyses through this number.

7. Laboratory Method Blanks – The method blank results for the VOCs, SVOCs, and DOC analyses were all non-detect (ND). No qualification of data was required.

8. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) and relative percent differences (RPDs) for the DOC analyses were within the laboratory control limits. For the SVOCs, the %R for perylene exceeded the upper control limit. No qualification of results was required since the perylene results in all samples were non-detect. For the VOCs, the %R for acrolein exceeded the upper control limit. Since acrolein is not a target compound, no qualification of results was required.

9. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Sample SW-ERA4-1105-NB-FIL was submitted for VOC, SVOC and DOC MS/MSD analyses. The %Rs and RPDs for the VOCs and DOC were within the laboratory acceptance limits. For the SVOCs, the %R for perylene exceeded the upper control limit. No qualification of the result was required since the perylene result in was non-detect.

10. Laboratory (Method) Duplicates (MDs) – The laboratory did not select any of the project samples for method duplicate analysis (also called replicate sample).

11. Field Duplicates – Sample SW-DUP03-1105-FIL was submitted as a field duplicate of sample SW-ERA4-1105-NB-FIL. The RPD for naphthalene exceeded the acceptance criteria of 30 percent. Both results were qualified as estimated (J).

12. Field QC Samples – URS submitted sample Trip Blank as a trip blank and sample SQ EquipBlank 01-1105 as an equipment blank with this SDG. All results in the trip blank and the equipment blank were non-detect. No qualification of results was required.

13. Dilutions – No dilutions were necessary for any of the project samples.

14. Surrogates – All VOC and SVOC surrogate recoveries were within the laboratory limits.

15. Internal Standards – All VOC and SVOC internal standard areas were within the laboratory control limits.

16. Initial Calibrations (ICAL)[2] – SW-846 guidance states that the mean response factor (mean RF) may be used for quantitation if the relative standard deviation (RSD) of the response factors is less than or equal to 15% for GC/MS (otherwise, a linear or higher order curve should be generated). In general, linear initial calibration curves must have a correlation coefficient (r) of 0.995 or (r^2 equal or greater than 0.990), and higher order curves must have a coefficient of determination (COD) of 0.990 or greater. Initial calibrations that exceed the method criteria result in qualification (J or UJ) or rejection (R) of associated data, depending on the severity of the exceedance. The initial calibration criteria were met for all VOC target compounds. For the SVOCs, 3 & 4 methylphenol had %RSD of 15.83 for instrument GC/MS Ins from 11/29/05. The results for 3 & 4 methylphenol were qualified as estimated (J or UJ) in all samples. The calibration coefficient for DOC was greater than 0.990. No qualification of results was required.

    Furthermore, Method 8260B requires that the mean RF be greater than 0.10 for three of the five System Performance Check Compounds (SPCCs) (chloromethane, 1,1-dichloroethane and bromoform) and greater than 0.30 for the remaining two SPCCs (chlorobenzene and 1,1,2,2-tetrachloroethane). For all non-SPCC compounds, the EPA National Functional Guidelines[3] criterion of 0.05 was applied. For the VOCs mean RFs were acceptable for all SPCC and non-SPCC compounds.

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[2] The ICAL for SDGs 94479, 94480, 94481, 94482, and 94483 is listed in SDG 94479 and the ICAL for the SVOCs is listed in SDG 94483.

[3] *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

Method 8270C requires that the mean RF be greater than 0.05 for the four SPCCs (n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol). This criterion was met for all compounds, including non-SPCC targets.

17. GC/MS Tunes – For the VOCs, the frequency and abundance of the bromofluorobenzene (BFB) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours from the BFB tunes. For the SVOCs, the frequency and abundance of the decafluorotriphenylphosphine (DFTPP) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours of the DFTPP tunes.

18. Continuing Calibration (CCAL) – For the VOC and SVOC analyses, the percent drift (%Drift) from the true value has to be equal to or less than 25 percent. The %Drift for all target compounds were at or below 25%.

19. Electronic Data Deliverables (EDDs) – A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, Ashland/NSP Lakefront Superfund Site, Ashland, Wisconsin, Quality Assurance Project Plan RI/FS Tasks, Revision 03. February 2005.

Table 1
Qualifiers for SDG 94481

Sample Identifications	Sample Analyses	Data Qualifiers[1]
SW-DUP03-1105-FIL (391673) *Field Duplicate*	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent. • The result for naphthalene was qualified as estimated (J) due to field duplicate RPD greater than 30 percent.
	DOC	• None
SW-ERA4-1105-NB-FIL (391674)	VOCs	• The results for benzene and toluene were qualified as estimated (J or UJ) due to a concentration above the unfiltered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent. • The result for naphthalene was qualified as estimated (J) due to field duplicate RPD greater than 30 percent.
		• The result for naphthalene was qualified as estimated (J) due to a concentration above the unfiltered concentration level.
	DOC	• None
SW-ERA4-1105-MID-FIL (391675)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None

Table 1
Qualifiers for SDG 94481

Sample Identifications	Sample Analyses	Data Qualifiers[1]
SW-ERA4-1105-MID-UNF (391676)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
SW-ERA4-1105-NB-UNF (391677)	VOCs	• The results for benzene and toluene were qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
		• The result for naphthalene was qualified as estimated (J) due to a non-detect concentration that was less than the filtered concentration level.
	DOC	• None
SW-ERA6-1105-MID-FIL (391678)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA6-1105-NB-UNF (391679)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
SW-ERA6-1105-NB-FIL (391680)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA6-1105-NB-UNF (391681)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
Trip Blank (391682) *Trip Blank*	VOCs	• None
SQ Equip Blank 01-1105 (391683) *Equipment Blank*	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the LOQ.
J = Estimated concentration because the result was below the sample LOQ or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample LOQ.
R = The result was rejected. The presence or absence of the compound cannot be determined.
[1] The laboratory used the qualifier (ND) for non-detect, [ ] for positive results above the LOD but below the LOQ, and (*) for QC values outside the CL.

ATTACHMENT 1
(Validated Data Spreadsheet)

SW-DUP03-1105-FIL-111505	SW9060M	391673	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW9060M	391674	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-ERA4-1105-MID-FIL-111505	SW9060M	391675	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-ERA6-1105-MID-FIL-111505	SW9060M	391678	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-ERA6-1105-NB-FIL-111505	SW9060M	391680	DISSOLVED ORGANIC CARBON	0.75	TRG	Yes	Y	J	J	Y	0.54	1.7	mg/L			na
SQ EquipBlank 01-1105-111505	SW9060M	391683	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	<	Y	0.54	1.7	mg/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-DUP03-1105-FIL-111505	SW8270C	391673	NAPHTHALENE	1.6	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L	J	F> DUP	na
SW-DUP03-1105-FIL-111505	SW8270C	391673	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-DUP03-1105-FIL-111505	SW8270C	391673	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	BENZENE	0.22	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	TOLUENE	0.48	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	M P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	1,3,5 TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-DUP03-1105-FIL-111505	SW8260	391673	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA4-1105-NB-FIL MS/MSD 111505	SW8270C	391674	NAPHTHALENE	1.1	TRG	Yes	Y	J	J	Y	1.1	3.6	ug/L	J	F. DUP	na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-NB FIL MS/MSD-111505	SW8270C	391674	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD 111505	SW8270C	391674	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA4-1105-NB-FIL MS/MSD-111505	SW8270C	391674	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na

SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8270C	391674	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8260	391674	BENZENE	0.25	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8260	391674	TOLUENE	0.54	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8260	391674	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8260	391674	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8260	391674	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8260	391674	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8260	391674	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8260	391674	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8260	391674	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA4-1105-NB-FIL	MS/MSD-111505	SW8260	391674	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-FIL	-111505	SW8270C	391675	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na

SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8270C	391675	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	TOLUENE	0.39	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA4-1105-MID-FIL-111505	SW8260	391675	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8270C	391676	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	BENZENE	0.21	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	TOLUENE	0.51	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	ETHYLBENZENE	0.22	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA4-1105-MID-UNF-111505	SW8260	391676	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L	J	Filtered > Unfiltered	na

SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8270C	391677	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	BENZENE	0.23	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	TOLUENE	0.39	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	ETHYLBENZENE	0.39	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	M,P-XYLENE (SUM OF ISOMERS)	0.4	TRG	Yes	Y	J	J	Y	0.35	1.2	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA4-1105-NB-UNF-111505	SW8260	391677	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na

SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8270C	391678	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	TOLUENE	0.36	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA6-1105-MID-FIL-111505	SW8260	391678	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8270C	391679	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	BENZENE	0.16	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	TOLUENE	0.38	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	ETHYLBENZENE	0.23	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	M,P-XYLENE (SUM OF ISOMERS)	0.35	TRG	Yes	Y	J	J	Y	0.35	1.2	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na

SW-ERA6-1105-MID-UNF-111505	SW8260	391679	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA6-1105-MID-UNF-111505	SW8260	391679	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8270C	391680	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	BENZENE	0.18	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	TOLUENE	0.4	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA6-1105-NB-FIL-111505	SW8260	391680	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na

SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8270C	391681	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	BENZENE	0.17	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	TOLUENE	0.3	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	ETHYLBENZENE	0.24	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA6-1105-NB-UNF-111505	SW8260	391681	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
Trip Blank-111505	SW8260	391682	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
Trip Blank-111505	SW8260	391682	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
Trip Blank-111505	SW8260	391682	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
Trip Blank-111505	SW8260	391682	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
Trip Blank-111505	SW8260	391682	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
Trip Blank-111505	SW8260	391682	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391682	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391682	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
Trip Blank-111505	SW8260	391682	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
Trip Blank-111505	SW8260	391682	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SQ EquipBlank 01-1105-111505	SW8270C	391683	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SQ EquipBlank 01-1105-111505	SW8270C	391683	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na

SQ EquipBlank 01-1105-111505	SW8270C	391683	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L	na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L	na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L	na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L	na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L	na
SQ EquipBlank 01-1105-111505	SW8270C	391683	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L	na
SQ EquipBlank 01-1105-111505	SW8270C	391683	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L	na
SQ EquipBlank 01-1105-111505	SW8270C	391683	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L	na
SQ EquipBlank 01-1105-111505	SW8260	391683	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L	na
SQ EquipBlank 01-1105-111505	SW8260	391683	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	na
SQ EquipBlank 01-1105-111505	SW8260	391683	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L	na
SQ EquipBlank 01-1105-111505	SW8260	391683	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L	na
SQ EquipBlank 01-1105-111505	SW8260	391683	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L	na
SQ EquipBlank 01-1105-111505	SW8260	391683	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L	na
SQ EquipBlank 01-1105-111505	SW8260	391683	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L	na
SQ EquipBlank 01-1105-111505	SW8260	391683	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L	na
SQ EquipBlank 01-1105-111505	SW8260	391683	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L	na
SQ EquipBlank 01-1105-111505	SW8260	391683	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L	na

ATTACHMENT 2
(TICs)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391673

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 391673

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.00 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.25(mm) Dilution Factor: 1.00

Soil Extract Volume: 0.00(uL) Soil Aliquot Volume: 0.00(uL)

CONCENTRATION UNITS:
Number TICs found: 0.00 (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1120	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:05	1206	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391674

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391674

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1120	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:05	1206	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391675

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391675

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 1.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1120	10.00	1671724	1
2		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4
5	1066-40-6	Silanol, trimethyl-	11:40	999	0.90	151394	1

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391676

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391676

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1120	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391677

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391677

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391678

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391678

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:03	1204	10.00	0	
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

06

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391679

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391679

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1120	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:05	1206	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:30	1671	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: IE Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391680

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391680

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: LE Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391681

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391681

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391682

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391682

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:29	1670	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:10	2071	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NLS

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94481

Matrix: (soil/water) WATER Lab Sample ID: 391683

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391683

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/22/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1120	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:05	1206	10.00	0	2
		*Chlorobenz-d5-(ISTD)	19:31	1672	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:11	2072	10.00	0	4

* Compound is ISTD

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120105\391673.D Vial: 8
Acq On : 1 Dec 2005 4:47 pm Operator: RW
Sample : 391673_1X Inst : GC/MS Ins
Misc : SW-DUP03-1105-FIL Multipl: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 5-Ethylcyclopentanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	6.07 ug/ml	325826	1-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	53
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	50
3	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	50
4	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	40
5	2-Hexene, (E)-	84	C6H12	004050-45-7	38

391673.D 8270-159.M Tue Dec 06 14:49:15 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120105\391674.D Vial: 9
Acq On : 1 Dec 2005 5:20 pm Operator: RW
Sample : 391674_1X Inst : GC/MS Ins
Misc : SW-ERA4-1105-NB-FIL Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2H-Pyran, 3,4-dihydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	5.57 ug/ml	292002	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	53
3	2,3,3-Trimethyl-1-hexene	126	C9H18	000000-00-0	43
4	2-Hexene, (E)-	84	C6H12	004050-45-7	43
5	2-Hexene	84	C6H12	000592-43-8	43

391674.D 8270-159.M Tue Dec 06 14:49:43 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120105\391675.D Vial: 10
Acq On : 1 Dec 2005 5:54 pm Operator: RW
Sample : 391675_1X Inst : GC/MS Ins
Misc : SW-ERA4-1105-MID-FIL Multiple: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 2H-Pyran, 3,4-dihydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	6.20 ug/ml	334467	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
3	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	50
4	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	42
5	2-Hexene	84	C6H12	000592-43-8	38

391675.D 8270-159.M Tue Dec 06 14:50:02 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120105\391676.D Vial: 11
Acq On : 1 Dec 2005 6:27 pm Operator: RW
Sample : 391676_1X Inst : GC/MS Ins
Misc : SW-ERA4-1105-MID-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Pentyn-3-ol, 3,4-dimethyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	4.32 ug/ml	233724	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	40
2	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	32
3	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	28
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	25
5	Hydroxylamine, O-(3-methylbutyl)-	103	C5H13NO	019411-65-5	25

****
Peak Number 2 5-Ethylcyclopentanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	5.72 ug/ml	309593	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	53
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	50
3	3-Hexene, (E)-	84	C6H12	013269-52-8	43
4	Piperidine, 1,1'-dithiobis-	232	C10H20N2S2	010220-20-9	38
5	n-Propylcyclopropanemethylamine	113	C7H15N	026389-60-6	32

****
Peak Number 3 Cyclohexane, 1-methyl-2-propyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.16	5.85 ug/ml	316511	I-1,4-Dichlorobz-d4-(ISTD)	4.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72
3	Cyclohexane, 1-ethyl-2-methyl-, cis	126	C9H18	004923-77-7	59
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	59
5	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	59

391676.D 8270-159.M Tue Dec 06 14:50:28 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120105\391677.D Vial: 12
Acq On : 1 Dec 2005 7:01 pm Operator: RW
Sample : 391677_1X Inst : GC/MS Ins
Misc : SW-ERA4-1105-NB-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rtsint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Heptene, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	4.23 ug/ml	218820	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	25
2	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	17
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	12
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	12
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	12

****
Peak Number 2 2H-Pyran, 3,4-dihydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	5.38 ug/ml	278175	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
3	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	53
4	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	53
5	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	50

391677.D 8270-159.M Tue Dec 06 14:50:47 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120105\391678.D Vial: 13
Acq On : 1 Dec 2005 7:34 pm Operator: RW
Sample : 391678_1X Inst : GC/MS Ins
Misc : SW-ERA6-1105-MID-FIL Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

No Library Search Compounds Detected

****
391678.D 8270-159.M Tue Dec 06 14:51:11 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120105\391679.D Vial: 14
Acq On : 1 Dec 2005 8:07 pm Operator: RW
Sample : 391679_1X Inst : GC/MS Ins
Misc : SW-ERA6-1105-MID-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1-Hexene, 4,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	4.37 ug/ml	229525	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	25
2	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	17
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	12
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	12
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	12

****

Peak Number 2 2-Butenal, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	5.87 ug/ml	308308	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
2	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	53
3	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	50
4	2,3,3-Trimethyl-1-hexene	126	C9H18	000000-00-0	35
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	23

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120105\391680.D Vial: 15
Acq On : 1 Dec 2005 8:40 pm Operator: RW
Sample : 391680_1X Inst : GC/MS Ins
Misc : SW-ERA6-1105-NB-FIL Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 2H-Pyran, 3,4-dihydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	6.53 ug/ml	337250	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
3	5-Ethylcyclopentanone	112	C7H12O	061215-75-6	53
4	2-Hexene, (E)-	84	C6H12	004050-45-7	43
5	2-Hexene	84	C6H12	000592-43-8	38

391680.D 8270-159.M Tue Dec 06 14:51:57 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120105\391681.D Vial: 16
Acq On : 1 Dec 2005 9:13 pm Operator: RW
Sample : 391681_1X Inst : GC/MS Ins
Misc : SW-ERA6-1105-NB-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Furan, 2,3-dihydro-4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	4.80 ug/ml	254894	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	59
2	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	59
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	58
4	3-Ethyl-2-methyl-1-heptene	140	C10H20	019780-60-0	53
5	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	50

391681.D 8270-159.M Tue Dec 06 14:52:16 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120105\391683.D Vial: 17
Acq On : 1 Dec 2005 9:45 pm Operator: RW
Sample : 391683_1X Inst : GC/MS Ins
Misc : SQ-EQBLK 01 Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

No Library Search Compounds Detected

****
391683.D 8270-159.M Tue Dec 06 14:52:45 2005

Data Assessment Report
Sample Delivery Group 94482
NSP Lakefront – High Energy Surface Water Samples
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Superfund Site Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Northern Lake Service, Inc., Crandon, Wisconsin performed the analyses for this project. The parameter group and test method were as follows:

- Volatile Organic Compounds (VOCs) – by SW846[1] Method 8260B
- Semi-Volatile Organic Compounds (SVOCs) – by SW846 Method 3510C (Acid/Base Extraction) and Method 8270C
- Dissolved Organic Carbon (DOC) – by SW846 Method 9060M

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a validation of all analytical results to assess data quality. A validation includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Agreement of analyses conducted with the chain-of-custody (COC)
- Holding Times/Sample Preservation - review of log-in records for cooler temperature, presence of headspace, chemical preservation, and preparation/extraction logs
- Instrument tuning (GC/MS only)
- Instrument calibrations (initial and continuing)
- Method blank results/laboratory contamination and field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Surrogate recoveries and comparison to laboratory control limits (organic analyses only)
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Internal Standards and comparison to lab criteria (organic analyses only)
- Field replicate/duplicate results and comparison to data review criteria

[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996. Revised April 1998.

- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Quantitation limits, dilutions and analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report
- Interference check samples/ Serial dilutions/Linearity check samples (Metals only)
- Post-digestion spikes (Metals only, if performed)

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1.

III. DATA USEABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

2. Sample Receipt – Eight surface water samples and one trip blank were submitted to the laboratory. The sample temperature at the time of receipt was not indicated. Samples were received intact. Custody seals were not present on the coolers because the samples were dropped off directly by the URS crew to NLS staff; therefore, no qualification of data is required. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on October 15, 2005. The laboratory received the samples on October 16, 2005.

3. Holding Times – The laboratory extracted all of the samples within the recommended hold time.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical results, laboratory reporting limits, dilution factor, units of measure, analytical batch number, and date of the analysis. An "ND" qualifier was used for non-detect results. Brackets [] were used by the laboratory to indicate estimated results greater than or equal to the limit of detection (LOD) but below the limit of quantitation (LOQ). A "*" qualifier was used for values outside of contract required QC limits.

Results where QC criteria were not met were qualified as estimated (J for positive results or UJ for non-detects) by URS. Results for Tentatively Identified Compounds (TICs) were presented in the raw data only. The TICs summary forms are provided at the end of this report (Attachment 2). All samples marked for DOC analysis were filtered and preserved by the laboratory prior to analysis.

5. Filtered vs. Unfiltered – A comparison was made between several samples. All SVOCs were non-detect. No action was necessary. For VOCs, the compound toluene was detected in the filtered samples SW-ERA8-1105-MID-FIL, SW-ERA5-1105-NB-FIL, and SW-ERA5-1105-MID-FIL and non-detect in the unfiltered samples SW-ERA8-1105-MID-UNF, SW-ERA5-1105-NB-UNF, and SW-ERA5-1105-MID-UNF. The compound benzene was detected in the filtered sample SW-ERA5-1105-NB-FIL and non-detect in the unfiltered sample SW-ERA5-1105-NB-UNF. The results were qualified as estimated (J or UJ) in both samples. The compound ethylbenzene was also detected at a concentration that did not impact the sample results (i.e., the sample concentration in the filtered sample was less than the unfiltered concentration); therefore, no qualification was required in the associated samples.

6. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. For example, the laboratory ID 391684 corresponds to sample SW-DUP04-1105-UNF. The project sample analyses can be traced to the QC sample analyses through this number.

7. Laboratory Method Blanks – The method blank results for the VOCs, SVOCs, and DOC analyses were all non-detect (ND). No qualification of data was required.

8. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) and relative percent differences (RPDs) for the DOC analyses were within the laboratory control limits. For the SVOCs, the %R for perylene exceeded the upper control limit. No qualification of results was required since the perylene results in all samples were non-detect. For the VOCs, the %R for acrolein exceeded the upper control limit. Since acrolein is not a target compound, no qualification of results was required.

9. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Sample SW-ERA8-1105-MID-FIL was submitted for VOC, SVOC and DOC MS/MSD analyses. The %Rs and RPDs for the VOCs and DOC were within the laboratory acceptance limits. For the SVOCs, the %R for perylene exceeded the upper control limit. No qualification of results was required since the perylene results in all samples were non-detect.

10. Laboratory (Method) Duplicates (MDs) – The laboratory did not select any of the project samples for method duplicate analysis (also called replicate sample).

11. Field Duplicates – Sample SW-DUP04-1105-UNF was submitted as a field duplicate of sample SW-HHRA4-1105-UNF. The RPDs for all compounds were within the acceptance criteria of 30 percent.

12. Field QC Samples – URS submitted sample Trip Blank as a trip blank and sample SQ EquipBlank 01-1105 as an equipment blank with this SDG. All results in the trip blank and the equipment blank were non-detect. No qualification of results was required.

13. Dilutions –No dilutions were necessary for any of the project samples.

14. Surrogates – All VOC and SVOC surrogate recoveries were within the laboratory limits.

15. Internal Standards – All VOC and SVOC internal standard areas were within the laboratory control limits.

16. Initial Calibrations (ICAL)[2] – SW-846 guidance states that the mean response factor (mean RF) may be used for quantitation if the relative standard deviation (RSD) of the response factors is less than or equal to 15% for GC/MS (otherwise, a linear or higher order curve should be generated). In general, linear initial calibration curves must have a correlation coefficient (r) of 0.995 or (r^2 equal or greater than 0.990), and higher order curves must have a coefficient of determination (COD) of 0.990 or greater. Initial calibrations that exceed the method criteria result in qualification (J or UJ) or rejection (R) of associated data, depending on the severity of the exceedance. The initial calibration criteria were met for all VOC target compounds. For the SVOCs, 3 & 4 methylphenol had %RSD of 15.83 for instrument GC/MS Ins from 11/29/05. The results for 3 & 4 methylphenol were qualified as estimated (J or UJ) in all samples. The calibration coefficient for DOC was greater than 0.990. No qualification of results was required.

    Furthermore, Method 8260B requires that the mean RF be greater than 0.10 for three of the five System Performance Check Compounds (SPCCs) (chloromethane, 1,1-dichloroethane and bromoform) and greater than 0.30 for the remaining two SPCCs (chlorobenzene and 1,1,2,2-tetrachloroethane). For all non-SPCC compounds, the EPA National Functional Guidelines[3] criterion of 0.05 was applied. For the VOCs mean RFs were acceptable for all SPCC and non-SPCC compounds.

    Method 8270C requires that the mean RF be greater than 0.05 for the four SPCCs (n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol). This criterion was met for all compounds, including non-SPCC targets.

17. Continuing Calibration (CCAL) – For the VOC and SVOC analyses, the percent drift (%Drift) from the true value has to be equal to or less than 25 percent. The %Drift for all target compounds were at or below 25%.

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[2] The ICAL for SDGs 94479, 94480, 94481, 94482, and 94483 is listed in SDG 94479 and the ICAL for the SVOCs is listed in SDG 94483.

[3] *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

18. GC/MS Tunes – For the VOCs, the frequency and abundance of the bromofluorobenzene (BFB) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours from the BFB tunes. For the SVOCs, the frequency and abundance of the decafluorotriphenylphosphine (DFTPP) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours of the DFTPP tunes.

19. Electronic Data Deliverables (EDDs) – No electronic deliverable was required to be reviewed for this validation. A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, Ashland/NSP Lakefront Superfund Site, Ashland. Wisconsin, Quality Assurance Project Plan RI/FS Tasks, Revision 03. February 2005.

Table 1
Qualifiers for SDG 94482

Sample Identifications	Sample Analyses	Data Qualifiers[1]
SW-DUP04-1105-UNF (391684) *Field Duplicate*	VOCs	• The result for toluene was revised from [0.28] ug/L to non-detect (ND) 0.83U ug/L due to trip blank contamination.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
Trip Blank (391685) *Trip Blank*	VOCs	• None
SW-HHRA4-1105-UNF (391686)	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA8-1105-MID-FIL (391687)	VOCs	• The result for toluene was revised from [0.54] ug/L to non-detect (ND) 0.83U ug/L due to trip blank contamination.
		• The result for toluene was qualified as estimated (J or UJ) due to a concentration above the unfiltered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA8-1105-MID-UNF (391688)	VOCs	• The result for toluene was qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.

Table 1
Qualifiers for SDG 94482

Sample Identifications	Sample Analyses	Data Qualifiers[1]
SW-ERA5-1105-NB-FIL (391689)	VOCs	• The result for toluene was revised from [0.60] ug/L to non-detect (ND) 0.83U ug/L due to trip blank contamination.
		• The results for benzene and toluene were qualified as estimated (J or UJ) due to a concentration above the unfiltered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA5-1105-MID-FIL (391690)	VOCs	• The result for toluene was qualified as estimated (J or UJ) due to a concentration above the unfiltered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA5-1105-MID-UNF (391691)	VOCs	• The result for toluene was qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
SW-ERA5-1105-NB-UNF (391692)	VOCs	• The results for benzene and toluene were qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the LOQ.
J = Estimated concentration because the result was below the sample LOQ or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample LOQ.
R = The result was rejected. The presence or absence of the compound cannot be determined.
The laboratory used the qualifier (ND) for non-detect, [ ] for positive results above the LOD but below the LOQ, and (*) for QC values outside the CL.

ATTACHMENT 1
(Validated Data Spreadsheet)

SW-DUP04-1105-UNF-111505	SW8270C	391684	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-DUP04-1105-UNF-111505	SW8270C	391684	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-DUP04-1105-UNF-111505	SW8270C	391684	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	BENZENE	0.25	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	TOLUENE	0.28	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	0.83 U	TB CONT	na
SW-DUP04-1105-UNF-111505	SW8260	391684	ETHYLBENZENE	0.37	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	M,P-XYLENE (SUM OF ISOMERS)	0.37	TRG	Yes	Y	J	J	Y	0.35	1.2	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-DUP04-1105-UNF-111505	SW8260	391684	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
Trip Blank-111505	SW8260	391685	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
Trip Blank-111505	SW8260	391685	TOLUENE	0.27	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
Trip Blank-111505	SW8260	391685	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
Trip Blank-111505	SW8260	391685	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
Trip Blank-111505	SW8260	391685	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
Trip Blank-111505	SW8260	391685	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391685	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391685	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
Trip Blank-111505	SW8260	391685	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
Trip Blank-111505	SW8260	391685	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na

SW-HHRA4-1105-UNF-111505	SW8270C	391686	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8270C	391686	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	BENZENE	0.19	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	ETHYLBENZENE	0.33	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-HHRA4-1105-UNF-111505	SW8260	391686	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na

SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8270C	391687	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	TOLUENE	0.54	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	0.83 UJ	TB CONT.,Filtered>Unfiltered	na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA8-1105-MID-FIL-111505	SW8260	391687	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8270C	391688	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	UJ	Filtered > Unfiltered	na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA8-1105-MID-UNF-111505	SW8260	391688	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na

SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8270C	391689	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	BENZENE	0.14	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	TOLUENE	0.6	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	0.83 UJ	TB CONT Filtered>Unfiltered	na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA5-1105-NB-FIL-111505	SW8260	391689	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na

SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8270C	391690	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	TOLUENE	0.41	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA5-1105-MID-FIL-111505	SW8260	391690	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8270C	391691	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	J	Filtered > Unfiltered	na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na

SW-ERA5-1105-MID-UNF-111505	SW8260	391691	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA5-1105-MID-UNF-111505	SW8260	391691	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8270C	391692	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L	J	Filtered > Unfiltered	na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	UJ	Filtered > Unfiltered	na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	ETHYLBENZENE	0.2	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA5-1105-NB-UNF-111505	SW8260	391692	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na

ATTACHMENT 2
(TICs)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94482

Matrix: (soil/water) WATER Lab Sample ID: 391684

Sample wt/vol: 5. (g/mL) ML Lab File ID: 391684

Level (low/med) LOW Date Received:

% Moisture: not dec. 0. Date Analyzed: 11/28/05

GC Column: RTX-VMS ID: 0. (mm) Dilution Factor: 1.

Soil Extract Volume: 0. (uL) Soil Aliquot Volume: 0.(uL)

Number TICs found: 0. CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:06	1123	10.00	0	
2		*1,4-Difluorobz-(ISTD)	14:07	1209	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:33	1675	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:14	2076	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94482

Matrix: (soil/water) WATER Lab Sample ID: 391685

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391685

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/28/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
		*Pentafluorobz-(ISTD)	13:06	1123	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:07	1209	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:32	1674	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:13	2075	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 44482

Matrix: (soil/water) WATER Lab Sample ID: 391686

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391686

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/28/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:07	1124	10.00	0	
2		*1,4-Difluorobz-(ISTD)	14:07	1210	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:33	1675	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:14	2076	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94482

Matrix: (soil/water) WATER Lab Sample ID: 391687

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391687

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/28/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:07	1124	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:07	1210	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:34	1676	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:14	2077	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94482

Matrix: (soil/water) WATER Lab Sample ID: 391688

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391688

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/28/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:07	1124	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:07	1210	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:34	1676	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:14	2077	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94482

Matrix: (soil/water) WATER Lab Sample ID: 391689

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391689

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/28/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:08	1125	10.00	0	1
.		*1,4-Difluorobz-(ISTD)	14:08	1211	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:34	1676	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:14	2077	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94482

Matrix: (soil/water) WATER Lab Sample ID: 391690

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391690

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/28/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:08	1125	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:08	1211	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:34	1676	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:15	2078	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94482

Matrix: (soil/water) WATER Lab Sample ID: 391691

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391691

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/28/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:08	1125	10.00	0	1
.		*1,4-Difluorobz-(ISTD)	14:08	1211	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:34	1676	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:15	2078	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94482

Matrix: (soil/water) WATER Lab Sample ID: 391692

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391692

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/28/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:08	1125	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:07	1210	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:34	1676	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:15	2078	10.00	0	4

* Compound is ISTD

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120205\391684.D Vial: 6
Acq On : 2 Dec 2005 4:36 pm Operator: RW
Sample : 391684_1X Inst : GC/MS Ins
Misc : SW-DUP4-1105-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Buten-2-ol, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	4.52 ug/ml	229108	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	27
2	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	25
3	3-Ethyl-4-octanol	158	C10H22O	063126-48-7	25
4	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	23
5	1-Undecyn-4-ol	168	C11H20O	022127-86-2	17

391684.D 8270-159.M Thu Dec 08 12:46:08 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120205\391686.D Vial: 7
Acq On : 2 Dec 2005 5:09 pm Operator: RW
Sample : 391686_1X Inst : GC/MS Ins
Misc : SW-HHRA4-1105-UNF Multiplier: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Hexene, 4,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	5.83 ug/ml	308279	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	17
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	16
3	Propanoic acid, 2-methyl-, 2-ethyl-	286	C16H30O4	074367-30-9	12
4	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	12
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	10

****
Peak Number 2 2-Butyn-1-ol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.38	4.13 ug/ml	218242	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyn-1-ol	70	C4H6O	000764-01-2	38
2	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	25
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	17
4	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	10
5	Oxirane, pentyl-	114	C7H14O	005063-65-0	10

****
Peak Number 3 Cyclohexane, 1-methyl-2-propyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.16	4.16 ug/ml	219794	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	86
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	72
3	Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	64
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64

391686.D 8270-159.M Thu Dec 08 12:46:21 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120205\391687.D Vial: 8
Acq On : 2 Dec 2005 5:43 pm Operator: RW
Sample : 391687_1X Inst : GC/MS Ins
Misc : SW-ERA8-1105-MID-FIL Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Cyclohexane, 1-methyl-2-propyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.16	4.42 ug/ml	233748	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	86
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	72
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72
5	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	64

391687.D 8270-159.M Thu Dec 08 12:46:32 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120205\391688.D Vial: 9
Acq On : 2 Dec 2005 6:16 pm Operator: RW
Sample : 391688_1X Inst : GC/MS Ins
Misc : SW-ERA8-1105-MID-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1-Hexene, 4,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	5.38 ug/ml	282614	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	25
2	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	17
3	Propanoic acid, 2-methyl-, 2-ethyl-	286	C16H30O4	074367-30-9	16
4	3-Penten-2-ol	86	C5H10O	001569-50-2	12
5	Heptane, 4 methyl-	114	C8H18	000589-53-7	12

391688.D 8270-159.M Thu Dec 08 12:46:43 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120205\391689.D Vial: 10
Acq On : 2 Dec 2005 6:49 pm Operator: RW
Sample : 391689_1X Inst : GC/MS Ins
Misc : SW-ERA5-1105-NB-FIL Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

No Library Search Compounds Detected

****
391689.D 8270-159.M Thu Dec 08 12:46:55 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120205\391690.D Vial: 11
Acq On : 2 Dec 2005 7:23 pm Operator: RW
Sample : 391690_1X Inst : GC/MS Ins
Misc : SW-ERA5-1105-MID-FIL Multiplr: 1.0
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

No Library Search Compounds Detected

****
391690.D 8270-159.M Thu Dec 08 12:47:06 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120205\391691.D Vial: 12
Acq On : 2 Dec 2005 7:56 pm Operator: RW
Sample : 391691_1X Inst : GC/MS Ins
Misc : SW-ERA5-1105-MID-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteinr2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 2-Pentene, 3-methyl-, (E)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	4.35 ug/ml	227521	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	37
2	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	25
3	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	23
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	23
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	23

391691.D 8270-159.M Thu Dec 08 12:47:18 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\120205\391692.D Vial: 13
Acq On : 2 Dec 2005 8:29 pm Operator: RW
Sample : 391692_1X Inst : GC/MS Ins
Misc : SW-ERA5-1105-NB-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 2-Pentene, 3-methyl-, (Z)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	4.33 ug/ml	222352	I-1,4-Dichlorobz-d4-(ISTD)	4.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	37
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	37
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	37
4	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	32
5	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	32

391692.D 8270-159.M Thu Dec 08 12:47:30 2005

Data Assessment Report
Sample Delivery Group 94483
NSP Lakefront – High Energy Surface Water Samples
Ashland, Wisconsin

I. INTRODUCTION

This Data Assessment Report describes and summarizes the data review process for the Northern States Power (NSP) Lakefront Superfund Site Project Ashland, Wisconsin. The review process follows procedures outlined in Section II. Section III summarizes the useability of the data. Section IV lists the findings for each parameter evaluated during the review. Northern Lake Service, Inc., Crandon, Wisconsin performed the analyses for this project. The parameter group and test method were as follows:

- Volatile Organic Compounds (VOCs) – by SW846[1] Method 8260B
- Semi-Volatile Organic Compounds (SVOCs) – by SW846 Method 3510C (Acid/Base Extraction) and Method 8270C
- Dissolved Organic Carbon (DOC) – by SW846 Method 9060M

The laboratory assigns a sample delivery group (SDG) number to a group of samples during the sample log-in process. The SDG number is the means by which the laboratory tracks samples and quality control (QC) analyses. The field identification and requested analytical tests for each sample are summarized in Table 1.

II. REVIEW PROCESS

URS performed a validation of all analytical results to assess data quality. A validation includes an assessment of sample handling protocols, supporting laboratory QC parameters, and field QC. The following is a list of specific analytical information evaluated during a general review:

- Agreement of analyses conducted with the chain-of-custody (COC)
- Holding Times/Sample Preservation - review of log-in records for cooler temperature, presence of headspace, chemical preservation, and preparation/extraction logs
- Instrument tuning (GC/MS only)
- Instrument calibrations (initial and continuing)
- Method blank results/laboratory contamination and field QC sample (e.g., trip blanks, equipment blanks, etc.)
- Surrogate recoveries and comparison to laboratory control limits (organic analyses only)
- Matrix spike/matrix spike duplicate (MS/MSD) results and comparison to laboratory control limits
- Internal Standards and comparison to lab criteria (organic analyses only)
- Field replicate/duplicate results and comparison to data review criteria

[1] *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW846) USEPA, Final Update III December 1996, Revised April 1998.

- Laboratory control sample (LCS) results and comparison to laboratory control limits
- Quantitation limits, dilutions and analytical results (units, values, significant figures, reporting limits, analyst, percent moisture)
- Electronic Data Deliverables (EDDs) – comparison to the hardcopy analytical report
- Interference check samples/ Serial dilutions/Linearity check samples (Metals only)
- Post-digestion spikes (Metals only, if performed)

The analytical reports were reviewed for completeness and the accompanying QC data were reviewed for acceptable performance. In case documentation was incomplete, the laboratory could be required to provide the missing information. When QC results indicated poor performance, URS applied data qualifiers to the results to inform the data user of the possible performance problem. These qualifiers are in addition to the qualifiers provided by the laboratory. A summary of the data qualifiers used for this review is shown in Table 1.

III. DATA USEABILITY

All analytical results are usable based on criteria described in Section II and those found in general testing industry guidance documents (URS, 2005). Laboratory Quality Assurance/Quality Control (QA/QC) requirements were met for all analytical tests. No data were rejected.

IV. ASSESSMENT FINDINGS

The following section summarizes the review process and findings associated with the data quality for this project.

1. Test Methods – The laboratory performed the analyses using the analytical test methods listed in Section I.

2. Sample Receipt – Eight surface water samples, one trip blank, and one equipment blank were submitted to the laboratory. The sample temperature at the time of receipt was not indicated. Samples were received intact. Custody seals were not present on the coolers because the samples were dropped off directly by the URS crew to NLS staff; therefore, no qualification of data is required. Field and laboratory personnel completed the COC correctly recording the signature and date/time of custody transfer. The samples were collected on October 15, 2005. The laboratory received the samples on October 16, 2005.

3. Holding Times – The laboratory extracted all of the samples within the recommended hold time. However, due to low VOC internal standards areas, sample SW-ERA7-1105-NB-FIL was re-analyzed for VOCs past the hold time. The VOC results for the re-analysis sample were qualified as estimated (J or UJ). The original VOC results were not reported by the laboratory; therefore, no qualification was required. The internal standards fort he re-analysis were within laboratory criteria.

4. Analytical Results – For each parameter tested, the laboratory provided the analytical method, analytical results, laboratory limit of detection (LOD), limit of quantitation (LOQ), dilution factor, units of measure, analytical batch number, and date of the analysis. An "ND" qualifier was used for non-detect results. Brackets [] were used by the laboratory to indicate estimated results greater than or equal to the LOD but below the LOQ. A "*" qualifier was used for values outside of contract required QC limits. Results where QC criteria were not met were qualified as estimated (J for positive results or UJ for non-detects) by URS. Results for Tentatively Identified Compounds (TICs) were presented in the raw data only. The TICs summary forms are provided at the end of this report (Attachment 2). All samples marked for DOC analysis were filtered and preserved by the laboratory prior to analysis.

5. Filtered vs. Unfiltered – A comparison was made between several samples in this data set. For SVOCs, the compound naphthalene was detected in the filtered samples SW-ER3-1105-NB-FIL and SW-ER3-1105-MID-FIL and was non-detect in the unfiltered samples SW-ER3-1105-NB-UNF and SW-ER3-1105-MID-UNF. The results were qualified as estimated (J or UJ) in both samples. For VOCs, the compound toluene was detected in the filtered samples SW-ER3-1105-NB-FIL and SW-ERA7-1105-MID-FIL and was non-detect in the unfiltered samples SW-ER3-1105-NB-UNF and SW-ERA7-1105-MID-UNF. The results were qualified as estimated (J or UJ) in both samples. Toluene was was detected in the filtered sample SW-ERA7-1105-NB-FIL at a detection level that was greater than the unfiltered level for sample SW-ERA7-1105-NB-UNF . The result was qualified as estimated (J) in both samples. The compounds naphthalene, toluene, ethylbenzene and benzene were also detected at concentrations that did not impact the sample results (i.e., the sample concentration in the filtered sample was less than the unfiltered concentration); therefore, no qualification was required in the associated samples.

6. Sample Traceability – The laboratory specified an analytical laboratory identification number for each sample. For example, the laboratory ID 391693 corresponds to sample NSP-SW-ER3-1105-NB-FIL. The project sample analyses can be traced to the QC sample analyses through this number.

7. Laboratory Method Blanks – The method blank results for the VOCs, SVOCs, and DOC analyses were all non-detect (ND). No qualification of data was required.

8. Laboratory Control Samples (LCSs) – The LCS percent recoveries (%R) and relative percent differences (RPDs) for the DOC analyses were within the laboratory control limits. For the SVOCs, the %R for perylene exceeded the upper control limit. No qualification of results was required since the perylene results in all samples were non-detect. For the VOCs, several compounds had %R exceeding the control limits. However, none of these were a target compound; therefore, no qualification of results was required.

9. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – The laboratory performed MS/MSD VOC analysis on sample SW-ERA7-1105-NB-UNF and SVOC analysis on sample SW-ERA3-1105-NB-FIL. MS/MSD analyses for DOC were not performed on a project sample. The %Rs and RPDs for the VOCs were within the laboratory acceptance limits. For the SVOCs, the %R for perylene exceeded the upper control limit. No qualification of results was required since the perylene results in all samples were non-detect.

10. Laboratory (Method) Duplicates (MDs) – The laboratory did not select any of the project samples for method duplicate analysis (also called replicate sample).

11. Field Duplicates – URS did not submit any project sample as a field duplicate with this SDG.

12. Field QC Samples – URS submitted sample Trip Blank as a trip blank and sample SQ EquipBlank-02-1105 as an equipment blank with this SDG. Benzene and toluene were detected in the equipment blank at concentrations of [0.45] ug/L and [0.59] ug/L, respectively. The sample results for benzene and toluene in several samples were less than five times the blank concentrations, and therefore, were revised to non-detect at the reporting limits. The qualified results and the affected samples are listed in Table 1.

13. Dilutions –No dilutions were necessary for any of the project samples.

14. Surrogates – All SVOC surrogate recoveries were within the laboratory limits. For the VOCs, sample NSP-SW-ER3-1105-MID-UNF had one surrogate below the control limit. The VOC results in this sample were qualified as estimated (J or UJ). Additionally, sample SW-ERA7-1105-NB-UNF had two surrogates above the upper control limits. The positive results for benzene, ethylbenzene and toluene were qualified as estimated (J). One surrogate for the MS sample was also above the control limit; however, no qualification of results was required since the affected sample was a QC sample.

15. Internal Standards (IS) – All SVOC internal standard areas were within the laboratory control limits. All VOC internal standard areas for sample SW-ERA7-1105-NB-FIL were excessively low. The laboratory re-analyzed this sample with all IS within control limits and reported the re-analysis results in the report. However, the re-analysis was performed past the recommended hold time and all results were qualified as estimated (J or UJ).

16. Initial Calibrations (ICAL)[2] – SW-846 guidance states that the mean response factor (mean RF) may be used for quantitation if the relative standard deviation (RSD) of the response factors is less than or equal to 15% for GC/MS (otherwise, a linear or higher order curve should be generated). In general, linear initial calibration curves must have a correlation coefficient (r) of 0.995 or (r^2 equal or greater than 0.990), and higher order curves must have a coefficient of determination (COD) of 0.990 or greater. Initial calibrations that exceed the method criteria result in qualification (J or UJ) or rejection (R) of associated data, depending on the severity of the exceedance. The initial calibration criteria were met for all VOC target compounds. For the SVOCs, 3 & 4 methylphenol had %RSD of 15.83 for instrument GC/MS Ins from 11/29/05. The results for 3 & 4 methylphenol were qualified as estimated (J or UJ) in all samples. The calibration coefficient for DOC was greater than 0.990. No qualification of results was required. Furthermore, Method 8260B requires that the mean RF be greater than 0.10 for three of the five System Performance Check Compounds (SPCCs) (chloromethane, 1,1-dichloroethane and bromoform) and greater than 0.30 for the remaining two SPCCs (chlorobenzene and 1,1,2,2-tetrachloroethane). For all non-SPCC compounds, the EPA National Functional Guidelines[3] criterion of 0.05 was applied. For the VOCs mean RFs were acceptable for all SPCC and non-SPCC compounds. Method 8270C requires that the mean RF be greater than 0.05 for the four SPCCs (n-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol). This criterion was met for all compounds, including non-SPCC targets.

17. Continuing Calibration (CCAL) – For the VOC analyses, the percent drift (%Drift) from the true value has to be equal to or less than 25 percent. The %Drift for all target compounds were at or below 25%. The SVOC samples were analyzed immediately after the ICAL; therefore, no CCAL was ran for the SVOCs.

18. GC/MS Tunes – For the VOCs, the frequency and abundance of the bromofluorobenzene (BFB) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours from the BFB tunes. For the SVOCs, the frequency and abundance of the decafluorotriphenylphosphine (DFTPP) tunes were within the QC acceptance criteria. All samples were analyzed within 12 hours of the DFTPP tunes.

19. Electronic Data Deliverables (EDDs) – A summary of the validated data is shown in Attachment 1.

V. REFERENCES

URS, 2005, Ashland/NSP Lakefront Superfund Site, Ashland, Wisconsin. Quality Assurance Project Plan RI/FS Tasks, Revision 03. February 2005.

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[2] The ICAL for SDGs 94479, 94480, 94481, 94482, and 94483 is listed in SDG 94479 and the ICAL for the SVOCs is listed in SDG 94483.

[3] *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

Table 1
Qualifiers for SDG 94483

Sample Identifications	Sample Analyses	Data Qualifiers[1]
NSP-SW-ER3-1105-NB-FIL (391693)	VOCs	• The results for toluene and benzene were revised from [0.27] ug/L and [0.16] ug/L to non-detect (ND) values of 0.83U ug/L and 0.48U ug/L, respectively, due to equipment blank contamination.
		• The result for toluene was qualified as estimated (J or UJ) due to a concentration above the unfiltered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
		• The result for naphthalene was qualified as estimated (J or UJ) due to a concentration above the unfiltered concentration level.
	DOC	• None
NSP-SW-ER3-1105-MID-FIL (391694)	VOCs	• The result for benzene was revised from [0.15] ug/L to a non-detect (ND) value of 0.48U ug/L due to equipment blank contamination.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
		• The result for naphthalene was qualified as estimated (J or UJ) due to a concentration above the unfiltered concentration level.
	DOC	• None
NSP-SW-ER3-1105-NB-UNF (391695)	VOCs	• The result for benzene was revised from [0.17] ug/L to a non-detect (ND) value of 0.48U ug/L due to equipment blank contamination.
		• The result for toluene was qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
		• The result for naphthalene was qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
NSP-SW-ER3-1105-MID-UNF (391696)	VOCs	• The result for benzene was revised from [0.15] ug/L to a non-detect (ND) value of 0.48U ug/L due to equipment blank contamination. • All results were qualified as estimated J or UJ) due to surrogate recovery below the control limit.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
		• The result for naphthalene was qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
Trip Blank (391697) *Trip Blank*	VOCs	• None

Table 1
Qualifiers for SDG 94483

Sample Identifications	Sample Analyses	Data Qualifiers[1]
SW-ERA7-1105-MID-FIL (391698)	VOCs	• The result for toluene was revised from [0.46] ug/L to a non-detect (ND) value of 0.83U ug/L due to equipment blank contamination.
		• The result for toluene was qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA7-1105-NB-FIL (391699)	VOCs	• The result for toluene was revised from [0.46] ug/L to a non-detect (ND) value of 0.83U ug/L due to equipment blank contamination.
		• The result for benzene, toluene, and o-xylene were qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None
SW-ERA7-1105-NB-FIL (391699) *Re-analysis*	VOCs	• All results were qualified as estimated (J or UJ) due to hold time exceedance.
SW-ERA7-1105-NB-UNF (391700)	VOCs	• The results for benzene, ethylbenzene and toluene were qualified as estimated (J or UJ) due to 2 surrogates exceeding the upper control limits.
		• The result for benzene, toluene, and o-xylene were qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
SW-ERA7-1105-MID-UNF (391701)	VOCs	• The result for toluene was qualified as estimated (J or UJ) due to a concentration below the filtered concentration level.
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
SQ EquipBlank-02-1105 (391702) *Equipment Blank*	VOCs	• None
	SVOCs	• The result for 3 & 4 methylphenol was qualified as estimated (UJ) due to %RSD greater than 15 percent.
	DOC	• None

Data Qualifier Definitions: The reason for each of the specified data qualifier is included in the above table. Qualifiers from the laboratory are not included in this table, but are retained in the final EDD database unless otherwise noted.
U = The chemical was not detected. Value shown is the LOQ.
J = Estimated concentration because the result was below the sample LOQ or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample LOQ.
R = The result was rejected. The presence or absence of the compound cannot be determined.
[1] The laboratory used the qualifier (ND) for non-detect, [ ] for positive results above the LOD but below the LOQ, and (*) for QC values outside the CL

ATTACHMENT 1
(Validated Data Spreadsheet)

NSP-SW-ER3-1105-NB-FIL-111505	SW9060M	391693	DISSOLVED ORGANIC CARBON	2.6	TRG	Yes	Y		Y	0.54	1.7	mg/L				na
NSP-SW-ER3-1105-MID-FIL-111505	SW9060M	391694	DISSOLVED ORGANIC CARBON	2.2	TRG	Yes	Y		Y	0.54	1.7	mg/L				na
SW-ERA7-1105-MID-FIL-111505	SW9060M	391698	DISSOLVED ORGANIC CARBON	1.8	TRG	Yes	Y		Y	0.54	1.7	mg/L				na
SW-ERA7-1105-NB-FIL-111505	SW9060M	391699	DISSOLVED ORGANIC CARBON	2.3	TRG	Yes	Y		Y	0.54	1.7	mg/L				na
SQ EquipBlank-02-1105-111505	SW9060M	391702	DISSOLVED ORGANIC CARBON	0	TRG	Yes	N	<	< Y	0.54	1.7	mg/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	PHENOL	0	TRG	Yes	N	<	< Y	0.51	1.7	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	< Y	0.9	3	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	CRESOLS, M & P	0	TRG	Yes	N	<	< Y	1.4	4.8	ug/L	UJ	%RSD>15%		na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	NAPHTHALENE	2	TRG	Yes	Y	J	J Y	1.1	3.6	ug/L	J	Filtered > Unfiltered		na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.1	3.5	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.1	3.5	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	< Y	1.3	4.2	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.2	4.1	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	ACENAPHTHYLENE	0	TRG	Yes	N	<	< Y	1	3.5	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	ACENAPHTHENE	0	TRG	Yes	N	<	< Y	1.1	3.6	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	DIBENZOFURAN	0	TRG	Yes	N	<	< Y	1.1	3.6	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.2	4	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	FLUORENE	0	TRG	Yes	N	<	< Y	0.99	3.3	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	PHENANTHRENE	0	TRG	Yes	N	<	< Y	0.98	3.3	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	ANTHRACENE	0	TRG	Yes	N	<	< Y	0.98	3.3	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	< Y	1.3	4.3	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	FLUORANTHENE	0	TRG	Yes	N	<	< Y	0.97	3.2	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	PYRENE	0	TRG	Yes	N	<	< Y	0.94	3.1	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	< Y	0.92	3.1	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	CHRYSENE	0	TRG	Yes	N	<	< Y	1	3.4	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	< Y	0.94	3.1	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	< Y	0.92	3.1	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	< Y	1.2	3.9	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(E)PYRENE	0	TRG	Yes	N	<	< Y	1	3.4	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(A)PYRENE	0	TRG	Yes	N	<	< Y	1	3.4	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	PERYLENE	0	TRG	Yes	N	<	< Y	1.2	4.1	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	< Y	0.99	3.3	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8270C	391693	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	< Y	1	3.4	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	BENZENE	0.16	TRG	Yes	Y	J	J Y	0.14	0.48	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	TOLUENE	0.27	TRG	Yes	Y	J	J Y	0.25	0.83	ug/L	J	Filtered > Unfiltered		na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	ETHYLBENZENE	0.21	TRG	Yes	Y	J	J Y	0.17	0.56	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	< Y	0.35	1.2	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	< Y	0.22	0.72	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	STYRENE	0	TRG	Yes	N	<	< Y	0.15	0.49	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	< Y	0.15	0.49	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	< Y	0.16	0.52	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	< Y	0.14	0.45	ug/L				na
NSP-SW-ER3-1105-NB-FIL-111505	SW8260	391693	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	< Y	0.21	0.68	ug/L				na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	PHENOL	0	TRG	Yes	N	<	< Y	0.51	1.7	ug/L				na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	< Y	0.9	3	ug/L				na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	CRESOLS, M & P	0	TRG	Yes	N	<	< Y	1.4	4.8	ug/L	UJ	%RSD>15%		na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	NAPHTHALENE	1.6	TRG	Yes	Y	J	J Y	1.1	3.6	ug/L	J	Filtered > Unfiltered		na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.1	3.5	ug/L				na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.1	3.5	ug/L				na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	< Y	1.3	4.2	ug/L				na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	< Y	1.2	4.1	ug/L				na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	ACENAPHTHYLENE	0	TRG	Yes	N	<	< Y	1	3.5	ug/L				na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	ACENAPHTHENE	0	TRG	Yes	N	<	< Y	1.1	3.6	ug/L				na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	DIBENZOFURAN	0	TRG	Yes	N	<	< Y	1.1	3.6	ug/L				na

NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8270C	391694	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	BENZENE	0.15	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	ETHYLBENZENE	0.22	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
NSP-SW-ER3-1105-MID-FIL-111505	SW8260	391694	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L	UJ	Filtered > Unfiltered	na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na

NSP-SW-ER3-1105-NB-UNF-111505	SW8270C	391695	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	BENZENE	0.17	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	UJ	Filtered > Unfiltered	na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	ETHYLBENZENE	0.4	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
NSP-SW-ER3-1105-NB-UNF-111505	SW8260	391695	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L	UJ	Filtered > Unfiltered	na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8270C	391696	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	BENZENE	0.15	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	ETHYLBENZENE	0.39	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
NSP-SW-ER3-1105-MID-UNF-111505	SW8260	391696	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
Trip Blank-111505	SW8260	391697	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
Trip Blank-111505	SW8260	391697	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L			na
Trip Blank-111505	SW8260	391697	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
Trip Blank-111505	SW8260	391697	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
Trip Blank-111505	SW8260	391697	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na

Trip Blank-111505	SW8260	391697	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391697	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
Trip Blank-111505	SW8260	391697	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
Trip Blank-111505	SW8260	391697	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
Trip Blank-111505	SW8260	391697	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8270C	391698	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	BENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.48	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	TOLUENE	0.46	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	0.83 UJ	EB CONT. Filtered>Unfiltered	na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA7-1105-MID-FIL-111505	SW8260	391698	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na

SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8270C	391699	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	BENZENE	0.33	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L	J	PAST HT; Filtered>Unfiltered	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	TOLUENE	0.57	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	PAST HT; Filtered>Unfiltered	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L	UJ	PAST HT; Filtered>Unfiltered	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-FIL-111505	SW8260	391699	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L	UJ	PAST HT	na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na

SW-ERA7-1105-NB-UNF-111505	SW8270C	391700	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	BENZENE	0.53	TRG	Yes	Y			Y	0.14	0.48	ug/L	J	SR %R high Filtered>Unfilter	na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	TOLUENE	0.28	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L	J	SR %R high; Filtered>Unfilter	na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	ETHYLBENZENE	0.17	TRG	Yes	Y	J	J	Y	0.17	0.56	ug/L	J	SR %R high	na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L	UJ	Filtered > Unfiltered	na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA7-1105-NB-UNF-111505	SW8260	391700	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8270C	391701	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	BENZENE	0.47	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	TOLUENE	0	TRG	Yes	N	<	<	Y	0.25	0.83	ug/L	UJ	Filtered > Unfiltered	na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SW-ERA7-1105-MID-UNF-111505	SW8260	391701	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	PHENOL	0	TRG	Yes	N	<	<	Y	0.51	1.7	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	2-METHYLPHENOL (O-CRESOL)	0	TRG	Yes	N	<	<	Y	0.9	3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	CRESOLS, M & P	0	TRG	Yes	N	<	<	Y	1.4	4.8	ug/L	UJ	%RSD>15%	na
SQ EquipBlank-02-1105-111505	SW8270C	391702	NAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	2-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na

SQ EquipBlank-02-1105-111505	SW8270C	391702	1-METHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.1	3.5	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BIPHENYL (DIPHENYL)	0	TRG	Yes	N	<	<	Y	1.3	4.2	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	2,6-DIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	ACENAPHTHYLENE	0	TRG	Yes	N	<	<	Y	1	3.5	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	ACENAPHTHENE	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	DIBENZOFURAN	0	TRG	Yes	N	<	<	Y	1.1	3.6	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	2,3,5-TRIMETHYLNAPHTHALENE	0	TRG	Yes	N	<	<	Y	1.2	4	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	FLUORENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	PHENANTHRENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.98	3.3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	1-METHYLPHENANTHRENE	0	TRG	Yes	N	<	<	Y	1.3	4.3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.97	3.2	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(A)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	CHRYSENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	INDENO(1,2,3-C,D)PYRENE	0	TRG	Yes	N	<	<	Y	0.94	3.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(B)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	0.92	3.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(K)FLUORANTHENE	0	TRG	Yes	N	<	<	Y	1.2	3.9	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(E)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(A)PYRENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	PERYLENE	0	TRG	Yes	N	<	<	Y	1.2	4.1	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	DIBENZ(A,H)ANTHRACENE	0	TRG	Yes	N	<	<	Y	0.99	3.3	ug/L			na
SQ EquipBlank-02-1105-111505	SW8270C	391702	BENZO(G,H,I)PERYLENE	0	TRG	Yes	N	<	<	Y	1	3.4	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	BENZENE	0.45	TRG	Yes	Y	J	J	Y	0.14	0.48	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	TOLUENE	0.59	TRG	Yes	Y	J	J	Y	0.25	0.83	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	ETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.17	0.56	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	M,P-XYLENE (SUM OF ISOMERS)	0	TRG	Yes	N	<	<	Y	0.35	1.2	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	O-XYLENE (1,2-DIMETHYLBENZENE)	0	TRG	Yes	N	<	<	Y	0.22	0.72	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	STYRENE	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0	TRG	Yes	N	<	<	Y	0.15	0.49	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	1,2,4-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.16	0.52	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	SEC-BUTYLBENZENE	0	TRG	Yes	N	<	<	Y	0.14	0.45	ug/L			na
SQ EquipBlank-02-1105-111505	SW8260	391702	1,2,3-TRIMETHYLBENZENE	0	TRG	Yes	N	<	<	Y	0.21	0.68	ug/L			na

ATTACHMENT 2
(TICs)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: IE Case No.: NA SAS No.: NA SDG No.: 94483

Matrix: (soil/water) WATER Lab Sample ID: 391702

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391702

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/29/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:04	1119	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:04	1205	10.00	0	2
		*Chlorobenz-d5-(ISTD)	19:29	1669	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:09	2070	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: IE Case No.: NA SAS No.: NA SDG No.: 94493

Matrix: (soil/water) WATER Lab Sample ID: 391701

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391701

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/29/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:02	1117	10.00	0	.
2		*1,4-Difluorobz-(ISTD)	14:03	1203	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:27	1667	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:08	2068	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94483

Matrix: (soil/water) WATER Lab Sample ID: 391700

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391700

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/29/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 1.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:02	1117	10.00	0	1
		*1,4-Difluorobz-(ISTD)	14:02	1203	10.00	0	2
		*Chlorobenz-d5-(ISTD)	19:27	1667	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:08	2068	10.00	2268876	4
5	1138-52-9	Phenol, 3,5-bis(1,1-dimethylethyl)-	28:31	2444	21.99	4989822	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94483

Matrix: (soil/water) WATER Lab Sample ID: 391699

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391698

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/29/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:07	1124	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:07	1209	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:32	1674	10.00	0	[illegible]
4		*1,4-DCB-d4-(ISTD)	24:13	2075	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94483

Matrix: (soil/water) WATER Lab Sample ID: 391697

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391697

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/29/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0 000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:07	1124	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:07	1210	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:33	1675	10.00	0	3
		*1,4-DCB-d4-(ISTD)	24:14	2076	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: IE Case No.: NA SAS No.: NA SDG No.: 94495

Matrix: (soil/water) WATER Lab Sample ID: 391696

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391696

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/29/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:07	1124	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:07	1210	10.00	0	1
3		*Chlorobenz-d5-(ISTD)	19:33	1675	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:14	2076	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: LE Case No.: NA SAS No.: NA SDG No.: 94483

Matrix: (soil/water) WATER Lab Sample ID: 391695

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391695

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/29/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 1.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:07	1124	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:07	1210	10.00	0	2
3		*Chlorobenz-d5-(ISTD)	19:33	1675	10.00	0	3
		*1,4-DCB-d4-(ISTD)	24:14	2076	10.00	2354471	4
5	496-11-7	Indane	24:35	2107	1.18	278658	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94433

Matrix: (soil/water) WATER Lab Sample ID: 391694

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 391694

Level (low/med) LOW Date Received:

% Moisture: not dec. 0.000 Date Analyzed: 11/29/05

GC Column: RTX-VMS ID: 0.250(mm) Dilution Factor: 1.000

Soil Extract Volume: 0.000 (uL) Soil Aliquot Volume: 0.000(uL)

Number TICs found: 0.000 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:07	1124	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:07	1210	10.00	0	
3		*Chlorobenz-d5-(ISTD)	19:33	1675	10.00	0	
4		*1,4-DCB-d4-(ISTD)	24:14	2076	10.00	0	4

* Compound is ISTD

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 8260

Lab Name: NORTHERN LAKE SERVICE Contract: NSL

Lab Code: 1E Case No.: NA SAS No.: NA SDG No.: 94483

Matrix: (soil/water) WATER Lab Sample ID: 391693

Sample wt/vol: 5. (g/mL) ML Lab File ID: 391693

Level (low/med) LOW Date Received:

% Moisture: not dec. 0. Date Analyzed: 11/29/05

GC Column: RTX-VMS ID: 0. (mm) Dilution Factor: 1.

Soil Extract Volume: 0. (uL) Soil Aliquot Volume: 0.(uL)

Number TICs found: 0. CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	SCAN #	EST. CONC.	PEAK AREA	REF
1		*Pentafluorobz-(ISTD)	13:08	1125	10.00	0	1
2		*1,4-Difluorobz-(ISTD)	14:07	1210	10.00	0	2
		*Chlorobenz-d5-(ISTD)	19:33	1675	10.00	0	3
4		*1,4-DCB-d4-(ISTD)	24:14	2076	10.00	0	4

* Compound is ISTD

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112805\391693.D Vial: 12
Acq On : 28 Nov 2005 7:10 pm Operator: RW
Sample : 391693_1X Inst : GC/MS Ins
Misc : SW-ER3-1105-NB-FIL Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

No Library Search Compounds Detected

****
391693.D 8270-159.M Wed Nov 30 09:11:18 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112805\391694.D Vial: 13
Acq On : 28 Nov 2005 7:44 pm Operator: RW
Sample : 391694_1X Inst : GC/MS Ins
Misc : SW-ER3-1105-MID-FIL Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

No Library Search Compounds Detected

****
391694.D 8270-159.M Wed Nov 30 09:11:49 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112805\391695.D Vial: 14
Acq On : 28 Nov 2005 8:18 pm Operator: RW
Sample : 391695_1X Inst : GC/MS Ins
Misc : SW-ER3-1105-NB-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Pentyn-3-ol, 3,4-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	5.22 ug/ml	302361	I-1,4-Dichlorobz-d4-(ISTD)	4.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	36
2	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	36
3	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	33
4	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	28
5	4-Ethyl-1-hexene	112	C8H16	000000-00-0	10

391695.D 8270-159.M Wed Nov 30 09:12:06 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112805\391696.D Vial: 15
Acq On : 28 Nov 2005 8:51 pm Operator: RW
Sample : 391696_1X Inst : GC/MS Ins
Misc : SW-ER3-1105-MID-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Pentyn-3-ol, 3,4-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	6.20 ug/ml	353904	I-1,4-Dichlorobz-d4-(ISTD)	4.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	38
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	36
3	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	33
4	1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	28
5	4-Ethyl-1-hexene	112	C8H16	000000-00-0	12

391696.D 8270-159.M Wed Nov 30 09:12:23 2005

Library Search Compound Report

```
Data File : C:\HPCHEM\1\DATA\112805\391698.D              Vial: 16
Acq On    : 28 Nov 2005   9:25 pm                     Operator: RW
Sample    : 391698_1X                                 Inst    : GC/MS Ins
Misc      : SW-ERA7-1105-MID-FIL                      Multiplr: 1.00
MS Integration Params: RTEINT.P          GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title        : 8270 Quantitation
Library      : C:\DATABASE\NBS75K.L
```

No Library Search Compounds Detected

****

391698.D 8270-159.M Wed Nov 30 09:12:42 2005

Library Search Compound Report

```
Data File : C:\HPCHEM\1\DATA\112805\391699.D              Vial: 17
Acq On    : 28 Nov 2005   9:59 pm                     Operator: RW
Sample    : 391699_1X                                 Inst    : GC/MS Ins
Misc      : SW-ERA7-1105-NB-FIL                       Multiplr: 1.00
MS Integration Params: RTEINT.P          GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator:
Title        : 8270 Quantitation
Library      : C:\DATABASE\NBS75K.L
```

No Library Search Compounds Detected

****

391699.D 8270-159.M Wed Nov 30 09:12:56 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112805\391700.D Vial: 18
Acq On : 28 Nov 2005 10:32 pm Operator: RW
Sample : 391700_1X Inst : GC/MS Ins
Misc : SW-ERA7-1105-NB-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1-Heptene, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	4.48 ug/ml	258392	I-1,4-Dichlorobz-d4-(ISTD)	4.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	16
2	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	12
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	10
4	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	10
5	Isoxazole	69	C3H3NO	000288-14-2	9

391700.D 8270-159.M Wed Nov 30 09:13:10 2005

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\112805\391701.D Vial: 19
Acq On : 28 Nov 2005 11:06 pm Operator: RW
Sample : 391701_1X Inst : GC/MS Ins
Misc : SW-ERA7-1105-MID-UNF Multiplr: 1.00
MS Integration Params: RTEINT.P GC Integration Params: rteint2.p
Quant Method : C:\HPCHEM\1\METHODS\8270-159.M (RTE Integrator)
Title : 8270 Quantitation
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 1-Hexene, 4,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	4.07 ug/ml	232479	I-1,4-Dichlorobz-d4-(ISTD)	4.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	12
2	Propanoic acid, 2-methyl-, anhydrid	158	C8H14O3	000097-72-3	10
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	9
4	1-Butanol, 3-methyl-, acetate	130	C7H14O2	000123-92-2	9
5	3-Penten-1-ol, 2-methyl-	100	C6H12O	062238-37-3	9

391701.D 8270-159.M Wed Nov 30 09:13:24 2005