

# APPENDIX E    RAW ANALYTICAL LABORATORY DATA

---

- E-1    **Metals**
- E-2    **Organometals**
- E-3    **SVOCs– Full Scan**
- E-4    **SVOCs – SIM**
- E-5    **PCBs**
- E-6    **Organochlorine Pesticides**
- E-7    **Dioxins/Furans**
- E-8    **Grain Size**
- E-9    **Conventional Parameters**
- E-10    **Geotechnical (ordered by SDG)**

*Dry Density*

*Wet Density*

*Moisture*

*Specific Gravity*

*Atterberg Limits Classification, Liquid limit, Plastic Limit, Plasticity Index*

*Porosity*

- E-11    **VOCs**
- E-12    **Salinity and Conductivity**

## E-1 Metals

---

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC1-0-2  
SAMPLE

Lab Sample ID: JB90F

LIMS ID: 06-3306

Matrix: Sediment

Data Release Authorized 

Reported: 03/06/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 52.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/02/06	7440-36-0	Antimony	9	9	U
3050B	03/01/06	6010B	03/02/06	7440-38-2	Arsenic	9	22	
3050B	03/01/06	6010B	03/02/06	7440-43-9	Cadmium	0.4	2.0	
3050B	03/01/06	6010B	03/02/06	7440-47-3	Chromium	0.9	74.3	
3050B	03/01/06	6010B	03/02/06	7440-48-4	Cobalt	0.6	10.0	
3050B	03/01/06	6010B	03/02/06	7440-50-8	Copper	0.4	111	
3050B	03/01/06	6010B	03/02/06	7439-92-1	Lead	4	149	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.08	0.61	
3050B	03/01/06	6010B	03/02/06	7439-98-7	Molybdenum	0.9	3.4	
3050B	03/01/06	6010B	03/02/06	7440-02-0	Nickel	2	32	
3050B	03/01/06	6010B	03/02/06	7782-49-2	Selenium	9	9	U
3050B	03/01/06	6010B	03/02/06	7440-22-4	Silver	0.6	3.3	
3050B	03/01/06	6010B	03/02/06	7440-28-0	Thallium	9	9	U
3050B	03/01/06	6010B	03/02/06	7440-62-2	Vanadium	0.6	74.1	
3050B	03/01/06	6010B	03/02/06	7440-66-6	Zinc	1	212	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC1-0-.5  
SAMPLE

Lab Sample ID: JL31A

LIMS ID: 06-9354

Matrix: Sediment

Data Release Authorized: *ML*

Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 53.0%


Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
CLP	06/13/06	7471A	06/14/06	7439-97-6	Mercury	0.08	0.24	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**  
**TOTAL METALS**  
 Page 1 of 1

Sample ID: LDW-SC1-0-.5  
 DUPLICATE

Lab Sample ID: JL31A  
 LIMS ID: 06-9354  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/09/06  
 Date Received: 02/09/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Mercury	7471A	0.24	0.29	18.9%	+/- 0.08	L

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC1-.5-1  
SAMPLE

Lab Sample ID: JL31B

LIMS ID: 06-9355

Matrix: Sediment

Data Release Authorized: 

Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 58.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
CLP	06/13/06	7471A	06/14/06	7439-97-6	Mercury	0.08	0.33	

U-Analyte undetected at given RL

RL-Reporting Limit

## E-1 Metals

---

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC1-1-1.5

SAMPLE

Lab Sample ID: JL31C

LIMS ID: 06-9356

Matrix: Sediment

Data Release Authorized: 

Reported: 06/26/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 49.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
CLP	06/13/06	7471A	06/14/06	7439-97-6	Mercury	0.08	1.27	

U-Analyte undetected at given RL  
RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC1-1.5-2  
SAMPLE

Lab Sample ID: JL31D

LIMS ID: 06-9357

Matrix: Sediment

Data Release Authorized: 

Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 45.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
CLP	06/13/06	7471A	06/14/06	7439-97-6	Mercury	0.08	1.22	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC1-2-4  
SAMPLE

Lab Sample ID: JB90G

LIMS ID: 06-3307

Matrix: Sediment

Data Release Authorized: 

Reported: 03/06/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 76.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/02/06	7440-36-0	Antimony	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-38-2	Arsenic	6	10	
3050B	03/01/06	6010B	03/02/06	7440-43-9	Cadmium	0.3	0.4	
3050B	03/01/06	6010B	03/02/06	7440-47-3	Chromium	0.6	21.1	
3050B	03/01/06	6010B	03/02/06	7440-48-4	Cobalt	0.4	5.3	
3050B	03/01/06	6010B	03/02/06	7440-50-8	Copper	0.3	25.9	
3050B	03/01/06	6010B	03/02/06	7439-92-1	Lead	3	23	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.05	0.21	
3050B	03/01/06	6010B	03/02/06	7439-98-7	Molybdenum	0.6	0.7	
3050B	03/01/06	6010B	03/02/06	7440-02-0	Nickel	1	10	
3050B	03/01/06	6010B	03/02/06	7782-49-2	Selenium	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-22-4	Silver	0.4	0.7	
3050B	03/01/06	6010B	03/02/06	7440-28-0	Thallium	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-62-2	Vanadium	0.4	44.2	
3050B	03/01/06	6010B	03/02/06	7440-66-6	Zinc	0.8	56.4	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC2-0-2

SAMPLE

Lab Sample ID: JB01U

LIMS ID: 06-2502

Matrix: Sediment

Data Release Authorized: *gc*

Reported: 02/27/06

QC Report No: JB01-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 65.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/16/06	6010B	02/24/06	7440-36-0	Antimony	20	40	
3050B	02/16/06	6010B	02/24/06	7440-38-2	Arsenic	20	190	
3050B	02/16/06	6010B	02/24/06	7440-43-9	Cadmium	0.7	3.4	
3050B	02/16/06	6010B	02/24/06	7440-47-3	Chromium	2	43	
3050B	02/16/06	6010B	02/24/06	7440-48-4	Cobalt	1	9	
3050B	02/16/06	6010B	02/24/06	7440-50-8	Copper	0.7	126	
3050B	02/16/06	6010B	02/24/06	7439-92-1	Lead	7	569	
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.08	0.21	
3050B	02/16/06	6010B	02/24/06	7439-98-7	Molybdenum	2	6	
3050B	02/16/06	6010B	02/24/06	7440-02-0	Nickel	4	23	
3050B	02/16/06	6010B	02/24/06	7782-49-2	Selenium	20	20	U
3050B	02/16/06	6010B	02/24/06	7440-22-4	Silver	1	2	
3050B	02/16/06	6010B	02/24/06	7440-28-0	Thallium	20	20	U
3050B	02/16/06	6010B	02/24/06	7440-62-2	Vanadium	1	37	
3050B	02/16/06	6010B	02/24/06	7440-66-6	Zinc	2	748	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC2-2-4  
SAMPLE

Lab Sample ID: JB01V

LIMS ID: 06-2503

Matrix: Sediment

Data Release Authorized: 

Reported: 02/27/06

QC Report No: JB01-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 65.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/16/06	6010B	02/24/06	7440-36-0	Antimony	40	40	U
3050B	02/16/06	6010B	02/24/06	7440-38-2	Arsenic	40	210	
3050B	02/16/06	6010B	02/24/06	7440-43-9	Cadmium	1	5	
3050B	02/16/06	6010B	02/24/06	7440-47-3	Chromium	4	52	
3050B	02/16/06	6010B	02/24/06	7440-48-4	Cobalt	2	9	
3050B	02/16/06	6010B	02/24/06	7440-50-8	Copper	1	134	
3050B	02/16/06	6010B	02/24/06	7439-92-1	Lead	10	1,050	
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.07	0.28	
3050B	02/16/06	6010B	02/24/06	7439-98-7	Molybdenum	4	11	
3050B	02/16/06	6010B	02/24/06	7440-02-0	Nickel	7	17	
3050B	02/16/06	6010B	02/24/06	7782-49-2	Selenium	40	40	U
3050B	02/16/06	6010B	02/24/06	7440-22-4	Silver	2	5	
3050B	02/16/06	6010B	02/24/06	7440-28-0	Thallium	40	40	U
3050B	02/16/06	6010B	02/24/06	7440-62-2	Vanadium	2	26	
3050B	02/16/06	6010B	02/24/06	7440-66-6	Zinc	4	604	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC2-4-6  
SAMPLE

Lab Sample ID: JH57AB

LIMS ID: 06-7269

Matrix: Sediment

Data Release Authorized 

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 43.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/15/06	7440-36-0	Antimony	10	30	
3050B	05/05/06	6010B	05/15/06	7440-38-2	Arsenic	10	270	
3050B	05/05/06	6010B	05/15/06	7440-43-9	Cadmium	0.4	3.9	
3050B	05/05/06	6010B	05/15/06	7440-47-3	Chromium	1	22	
3050B	05/05/06	6010B	05/15/06	7440-48-4	Cobalt	0.6	9.0	
3050B	05/05/06	6010B	05/15/06	7440-50-8	Copper	0.4	123	
3050B	05/05/06	6010B	05/15/06	7439-92-1	Lead	4	1,210	
3050B	05/05/06	6010B	05/15/06	7439-98-7	Molybdenum	1	6	
3050B	05/05/06	6010B	05/15/06	7440-02-0	Nickel	2	13	
3050B	05/05/06	6010B	05/15/06	7782-49-2	Selenium	10	10	U
3050B	05/05/06	6010B	05/15/06	7440-22-4	Silver	0.6	4.1	
3050B	05/05/06	6010B	05/15/06	7440-28-0	Thallium	10	10	U
3050B	05/05/06	6010B	05/15/06	7440-62-2	Vanadium	0.6	39.8	
3050B	05/05/06	6010B	05/15/06	7440-66-6	Zinc	1	1,430	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC2-10.7-12

SAMPLE

Lab Sample ID: JH57AC

LIMS ID: 06-7270

Matrix: Sediment

Data Release Authorized: 

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 77.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/15/06	7440-36-0	Antimony	6	6	U
3050B	05/05/06	6010B	05/15/06	7440-38-2	Arsenic	6	6	U
3050B	05/05/06	6010B	05/15/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	05/05/06	6010B	05/15/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>10.7</b>	
3050B	05/05/06	6010B	05/15/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>3.6</b>	
3050B	05/05/06	6010B	05/15/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	<b>10.5</b>	
3050B	05/05/06	6010B	05/15/06	7439-92-1	Lead	2	2	U
3050B	05/05/06	6010B	05/15/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	05/05/06	6010B	05/15/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>7</b>	
3050B	05/05/06	6010B	05/15/06	7782-49-2	Selenium	6	6	U
3050B	05/05/06	6010B	05/15/06	7440-22-4	Silver	0.4	0.4	U
3050B	05/05/06	6010B	05/15/06	7440-28-0	Thallium	6	6	U
3050B	05/05/06	6010B	05/15/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>37.2</b>	
3050B	05/05/06	6010B	05/15/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	<b>21.5</b>	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC3-0-2  
SAMPLE

Lab Sample ID: JB00S

LIMS ID: 06-2478

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB00-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 71.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	6	6	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	6	6	U
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/01/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	13.1	
3050B	03/01/06	6010B	03/01/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	4.4	
3050B	03/01/06	6010B	03/01/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	15.1	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	3	3	U
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.07	0.07	U
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/01/06	6010B	03/01/06	<b>7440-02-0</b>	<b>Nickel</b>	1	9	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	6	6	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	6	6	U
3050B	03/01/06	6010B	03/01/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	45.9	
3050B	03/01/06	6010B	03/01/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	23.2	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC3-0-2  
DUPLICATE

Lab Sample ID: JB00S  
LIMS ID: 06-2478  
Matrix: Sediment  
Data Release Authorized  
Reported: 03/02/06

QC Report No: JB00-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	6 U	6 U	0.0%	+/- 6	L
Arsenic	6010B	6 U	6 U	0.0%	+/- 6	L
Cadmium	6010B	0.3 U	0.3 U	0.0%	+/- 0.3	L
Chromium	6010B	13.1	11.6	12.1%	+/- 20%	
Cobalt	6010B	4.4	4.3	2.3%	+/- 20%	
Copper	6010B	15.1	15.0	0.7%	+/- 20%	
Lead	6010B	3 U	3 U	0.0%	+/- 3	L
Mercury	7471A	0.07 U	0.07 U	0.0%	+/- 0.07	L
Molybdenum	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Nickel	6010B	9	8	11.8%	+/- 20%	
Selenium	6010B	6 U	6 U	0.0%	+/- 6	L
Silver	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Thallium	6010B	6 U	6 U	0.0%	+/- 6	L
Vanadium	6010B	45.9	46.4	1.1%	+/- 20%	
Zinc	6010B	23.2	22.6	2.6%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC3-2-4  
SAMPLE

Lab Sample ID: JB00T

LIMS ID: 06-2479

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/02/06

QC Report No: JB00-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 70.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/01/06	<b>7440-47-3</b>	<b>Chromium</b>	0.7	<b>10.4</b>	
3050B	03/01/06	6010B	03/01/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>3.8</b>	
3050B	03/01/06	6010B	03/01/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>15.2</b>	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	3	3	U
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.06	0.06	U
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/01/06	6010B	03/01/06	<b>7440-02-0</b>	<b>Nickel</b>	1	7	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	7	7	U
3050B	03/01/06	6010B	03/01/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>35.7</b>	
3050B	03/01/06	6010B	03/01/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>20.9</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC4-0-1

SAMPLE

Lab Sample ID: JB01P

LIMS ID: 06-2497

Matrix: Sediment

Data Release Authorized: *JK*

Reported: 02/27/06

QC Report No: JB01-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 63.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/16/06	6010B	02/22/06	7440-36-0	Antimony	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-38-2	Arsenic	8	19	
3050B	02/16/06	6010B	02/22/06	7440-43-9	Cadmium	0.3	0.7	
3050B	02/16/06	6010B	02/22/06	7440-47-3	Chromium	0.8	28.3	
3050B	02/16/06	6010B	02/22/06	7440-48-4	Cobalt	0.5	7.8	
3050B	02/16/06	6010B	02/22/06	7440-50-8	Copper	0.3	106	
3050B	02/16/06	6010B	02/22/06	7439-92-1	Lead	3	92	
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.06	0.33	
3050B	02/16/06	6010B	02/22/06	7439-98-7	Molybdenum	0.8	2.1	
3050B	02/16/06	6010B	02/22/06	7440-02-0	Nickel	2	20	
3050B	02/16/06	6010B	02/22/06	7782-49-2	Selenium	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-22-4	Silver	0.5	0.5	U
3050B	02/16/06	6010B	02/22/06	7440-28-0	Thallium	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-62-2	Vanadium	0.5	55.6	
3050B	02/16/06	6010B	02/22/06	7440-66-6	Zinc	0.9	120	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC4-0-1  
DUPLICATE

Lab Sample ID: JB01P  
LIMS ID: 06-2497  
Matrix: Sediment  
Data Release Authorized:  
Reported: 02/27/06



QC Report No: JB01-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	8 U	8 U	0.0%	+/- 8	L
Arsenic	6010B	19	17	11.1%	+/- 8	L
Cadmium	6010B	0.7	0.6	15.4%	+/- 0.3	L
Chromium	6010B	28.3	27.2	4.0%	+/- 20%	
Cobalt	6010B	7.8	7.6	2.6%	+/- 20%	
Copper	6010B	106	74.3	35.2%	+/- 20%	*
Lead	6010B	92	92	0.0%	+/- 20%	
Mercury	7471A	0.33	0.72	74.3%	+/- 20%	*
Molybdenum	6010B	2.1	2.1	0.0%	+/- 0.8	L
Nickel	6010B	20	20	0.0%	+/- 20%	
Selenium	6010B	8 U	8 U	0.0%	+/- 8	L
Silver	6010B	0.5 U	0.5 U	0.0%	+/- 0.5	L
Thallium	6010B	8 U	8 U	0.0%	+/- 8	L
Vanadium	6010B	55.6	54.7	1.6%	+/- 20%	
Zinc	6010B	120	122	1.7%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC4-1-2  
SAMPLE

Lab Sample ID: JB01Q

LIMS ID: 06-2498

Matrix: Sediment

Data Release Authorized: 

Reported: 02/27/06

QC Report No: JB01-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 57.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/16/06	6010B	02/22/06	7440-36-0	Antimony	9	9	U
3050B	02/16/06	6010B	02/22/06	7440-38-2	Arsenic	9	63	
3050B	02/16/06	6010B	02/22/06	7440-43-9	Cadmium	0.3	2.0	
3050B	02/16/06	6010B	02/22/06	7440-47-3	Chromium	0.9	40.2	
3050B	02/16/06	6010B	02/22/06	7440-48-4	Cobalt	0.5	10.2	
3050B	02/16/06	6010B	02/22/06	7440-50-8	Copper	0.3	146	
3050B	02/16/06	6010B	02/22/06	7439-92-1	Lead	3	320	
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.09	0.43	
3050B	02/16/06	6010B	02/22/06	7439-98-7	Molybdenum	0.9	6.8	
3050B	02/16/06	6010B	02/22/06	7440-02-0	Nickel	2	23	
3050B	02/16/06	6010B	02/22/06	7782-49-2	Selenium	9	9	U
3050B	02/16/06	6010B	02/22/06	7440-22-4	Silver	0.5	1.6	
3050B	02/16/06	6010B	02/22/06	7440-28-0	Thallium	9	9	U
3050B	02/16/06	6010B	02/22/06	7440-62-2	Vanadium	0.5	65.2	
3050B	02/16/06	6010B	02/22/06	7440-66-6	Zinc	1	288	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC4-2-4

SAMPLE

Lab Sample ID: JB01R

LIMS ID: 06-2499

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/27/06

QC Report No: JB01-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Percent Total Solids: 69.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/16/06	6010B	02/22/06	7440-36-0	Antimony	7	7	U
3050B	02/16/06	6010B	02/22/06	7440-38-2	Arsenic	7	14	
3050B	02/16/06	6010B	02/22/06	7440-43-9	Cadmium	0.3	1.0	
3050B	02/16/06	6010B	02/22/06	7440-47-3	Chromium	0.7	25.9	
3050B	02/16/06	6010B	02/22/06	7440-48-4	Cobalt	0.4	5.6	
3050B	02/16/06	6010B	02/22/06	7440-50-8	Copper	0.3	37.1	
3050B	02/16/06	6010B	02/22/06	7439-92-1	Lead	3	123	
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.05	0.22	
3050B	02/16/06	6010B	02/22/06	7439-98-7	Molybdenum	0.7	1.6	
3050B	02/16/06	6010B	02/22/06	7440-02-0	Nickel	1	12	
3050B	02/16/06	6010B	02/22/06	7782-49-2	Selenium	7	7	U
3050B	02/16/06	6010B	02/22/06	7440-22-4	Silver	0.4	0.9	
3050B	02/16/06	6010B	02/22/06	7440-28-0	Thallium	7	7	U
3050B	02/16/06	6010B	02/22/06	7440-62-2	Vanadium	0.4	54.8	
3050B	02/16/06	6010B	02/22/06	7440-66-6	Zinc	0.8	89.0	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC5-0-1

SAMPLE

Lab Sample ID: JC05A

LIMS ID: 06-3421

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/13/06

QC Report No: JC05-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 67.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/08/06	7440-36-0	Antimony	7	7	U
3050B	03/01/06	6010B	03/08/06	7440-38-2	Arsenic	7	16	
3050B	03/01/06	6010B	03/08/06	7440-43-9	Cadmium	0.3	0.6	
3050B	03/01/06	6010B	03/08/06	7440-47-3	Chromium	0.7	27.9	
3050B	03/01/06	6010B	03/08/06	7440-48-4	Cobalt	0.4	6.9	
3050B	03/01/06	6010B	03/08/06	7440-50-8	Copper	0.3	80.4	
3050B	03/01/06	6010B	03/08/06	7439-92-1	Lead	3	89	
CLP	03/06/06	7471A	03/09/06	7439-97-6	Mercury	0.06	0.27	
3050B	03/01/06	6010B	03/08/06	7439-98-7	Molybdenum	0.7	3.2	
3050B	03/01/06	6010B	03/08/06	7440-02-0	Nickel	1	18	
3050B	03/01/06	6010B	03/08/06	7782-49-2	Selenium	7	7	U
3050B	03/01/06	6010B	03/08/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/08/06	7440-28-0	Thallium	7	7	U
3050B	03/01/06	6010B	03/08/06	7440-62-2	Vanadium	0.4	53.2	
3050B	03/01/06	6010B	03/08/06	7440-66-6	Zinc	0.9	142	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC5-0-1  
DUPLICATE

Lab Sample ID: JC05A  
LIMS ID: 06-3421  
Matrix: Sediment  
Data Release Authorized  
Reported: 03/13/06

QC Report No: JC05-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/10/06  
Date Received: 02/10/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	7 U	7 U	0.0%	+/- 7	L
Arsenic	6010B	16	17	6.1%	+/- 7	L
Cadmium	6010B	0.6	0.6	0.0%	+/- 0.3	L
Chromium	6010B	27.9	28.5	2.1%	+/- 20%	
Cobalt	6010B	6.9	6.8	1.5%	+/- 20%	
Copper	6010B	80.4	76.6	4.8%	+/- 20%	
Lead	6010B	89	82	8.2%	+/- 20%	
Mercury	7471A	0.27	0.26	3.8%	+/- 0.06	L
Molybdenum	6010B	3.2	3.1	3.2%	+/- 0.7	L
Nickel	6010B	18	18	0.0%	+/- 20%	
Selenium	6010B	7 U	7 U	0.0%	+/- 7	L
Silver	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Thallium	6010B	7 U	7 U	0.0%	+/- 7	L
Vanadium	6010B	53.2	54.0	1.5%	+/- 20%	
Zinc	6010B	142	148	4.1%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**  
Page 1 of 1

Sample ID: LDW-SC5-1-2.2  
SAMPLE

Lab Sample ID: JC05B  
LIMS ID: 06-3422  
Matrix: Sediment  
Data Release Authorized: *[Signature]*  
Reported: 03/13/06

QC Report No.: JC05-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/10/06  
Date Received: 02/10/06

Percent Total Solids: 58.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/08/06	7440-36-0	Antimony	8	8	U
3050B	03/01/06	6010B	03/08/06	7440-38-2	Arsenic	8	14	
3050B	03/01/06	6010B	03/08/06	7440-43-9	Cadmium	0.3	0.5	
3050B	03/01/06	6010B	03/08/06	7440-47-3	Chromium	0.8	21.3	
3050B	03/01/06	6010B	03/08/06	7440-48-4	Cobalt	0.5	6.4	
3050B	03/01/06	6010B	03/08/06	7440-50-8	Copper	0.3	77.1	
3050B	03/01/06	6010B	03/08/06	7439-92-1	Lead	3	74	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.07	0.51	
3050B	03/01/06	6010B	03/08/06	7439-98-7	Molybdenum	0.8	2.5	
3050B	03/01/06	6010B	03/08/06	7440-02-0	Nickel	2	16	
3050B	03/01/06	6010B	03/08/06	7782-49-2	Selenium	8	8	U
3050B	03/01/06	6010B	03/08/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/01/06	6010B	03/08/06	7440-28-0	Thallium	8	8	U
3050B	03/01/06	6010B	03/08/06	7440-62-2	Vanadium	0.5	58.1	
3050B	03/01/06	6010B	03/08/06	7440-66-6	Zinc	1	100	

U-Analyte undetected at given RL  
RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

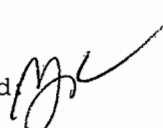
Sample ID: LDW-SC5-2.2-4

**SAMPLE**

Lab Sample ID: JC05C

LIMS ID: 06-3423

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JC05-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 78.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/08/06	7440-36-0	Antimony	6	6	U
3050B	03/01/06	6010B	03/08/06	7440-38-2	Arsenic	6	6	U
3050B	03/01/06	6010B	03/08/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/08/06	7440-47-3	Chromium	0.6	11.0	
3050B	03/01/06	6010B	03/08/06	7440-48-4	Cobalt	0.4	4.0	
3050B	03/01/06	6010B	03/08/06	7440-50-8	Copper	0.3	29.3	
3050B	03/01/06	6010B	03/08/06	7439-92-1	Lead	3	13	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.05	0.10	
3050B	03/01/06	6010B	03/08/06	7439-98-7	Molybdenum	0.6	0.7	
3050B	03/01/06	6010B	03/08/06	7440-02-0	Nickel	1	9	
3050B	03/01/06	6010B	03/08/06	7782-49-2	Selenium	6	6	U
3050B	03/01/06	6010B	03/08/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/08/06	7440-28-0	Thallium	6	6	U
3050B	03/01/06	6010B	03/08/06	7440-62-2	Vanadium	0.4	38.0	
3050B	03/01/06	6010B	03/08/06	7440-66-6	Zinc	0.8	37.1	

U-Analyte undetected at given RL


RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC6-0-2  
SAMPLE

Lab Sample ID: JB20A  
LIMS ID: 06-2573  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/10/06  
Date Received: 02/10/06

Percent Total Solids: 52.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	9	9	U
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	9	19	
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.9	36.4	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.5	10.3	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.4	93.4	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	4	64	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.07	0.26	
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.9	1.2	
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	2	27	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	9	9	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.5	0.5	U
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	9	9	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.5	74.0	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	1	195	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC6-0-2  
DUPLICATE

Lab Sample ID: JB20A  
LIMS ID: 06-2573  
Matrix: Sediment  
Data Release Authorized  
Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/10/06  
Date Received: 02/10/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	9 U	9 U	0.0%	+/- 9	L
Arsenic	6010B	19	23	19.0%	+/- 9	L
Cadmium	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Chromium	6010B	36.4	37.7	3.5%	+/- 20%	
Cobalt	6010B	10.3	10.0	3.0%	+/- 20%	
Copper	6010B	93.4	105	11.7%	+/- 20%	
Lead	6010B	64	69	7.5%	+/- 20%	
Mercury	7471A	0.26	0.32	20.7%	+/- 0.07	L
Molybdenum	6010B	1.2	1.5	22.2%	+/- 0.9	L
Nickel	6010B	27	28	3.6%	+/- 20%	
Selenium	6010B	9 U	9 U	0.0%	+/- 9	L
Silver	6010B	0.5 U	0.5 U	0.0%	+/- 0.5	L
Thallium	6010B	9 U	9 U	0.0%	+/- 9	L
Vanadium	6010B	74.0	73.4	0.8%	+/- 20%	
Zinc	6010B	195	223	13.4%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC6-2-4.5

SAMPLE

Lab Sample ID: JB20B

LIMS ID: 06-2574

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 58.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	8	41	
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.3	1.8	
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.8	61.0	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.5	11.3	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.3	123	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	3	141	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.08	0.44	
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.8	2.8	
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	2	45	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.5	1.6	
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.5	67.7	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	1	359	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC6-6-8  
SAMPLE

Lab Sample ID: JH57P

LIMS ID: 06-7257

Matrix: Sediment

Data Release Authorized: *AK*

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 75.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/15/06	7440-36-0	Antimony	6	6	U
3050B	05/05/06	6010B	05/15/06	<b>7440-38-2</b>	<b>Arsenic</b>	6	20	
3050B	05/05/06	6010B	05/15/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	05/05/06	6010B	05/15/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	13.0	
3050B	05/05/06	6010B	05/15/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	5.5	
3050B	05/05/06	6010B	05/15/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	23.2	
3050B	05/05/06	6010B	05/15/06	<b>7439-92-1</b>	<b>Lead</b>	3	42	
CLP	05/04/06	7471A	05/09/06	7439-97-6	Mercury	0.05	0.05	U
3050B	05/05/06	6010B	05/15/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.6	1.0	
3050B	05/05/06	6010B	05/15/06	<b>7440-02-0</b>	<b>Nickel</b>	1	10	
3050B	05/05/06	6010B	05/15/06	7782-49-2	Selenium	6	6	U
3050B	05/05/06	6010B	05/15/06	7440-22-4	Silver	0.4	0.4	U
3050B	05/05/06	6010B	05/15/06	7440-28-0	Thallium	6	6	U
3050B	05/05/06	6010B	05/15/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	41.0	
3050B	05/05/06	6010B	05/15/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	88.4	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC7-0-1

SAMPLE

Lab Sample ID: JB20AB

LIMS ID: 06-2600

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 63.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	7	7	U
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	7	17	
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.3	0.9	
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.7	39.6	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.4	9.7	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.3	90.4	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	3	137	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.47	
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.7	1.9	
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	1	26	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	7	7	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.4	1.0	
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	7	7	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.4	66.1	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	0.9	175	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC7-1-1.7

SAMPLE

Lab Sample ID: JB20AC

LIMS ID: 06-2601

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 74.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	6	6	U
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	6	11	
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.3	0.6	
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.6	35.5	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.4	7.6	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.3	37.0	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	3	60	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.05	0.17	
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.6	0.6	
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	1	37	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	6	6	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.4	0.5	
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	6	6	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.4	45.0	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	0.8	91.9	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC7-1.7-4

SAMPLE

Lab Sample ID: JB20AD

LIMS ID: 06-2602

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 81.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	6	6	U
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	6	6	U
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.6	28.1	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.4	5.9	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.2	11.0	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	2	5	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.04	0.04	U
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	1	37	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	6	6	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	6	6	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.4	34.4	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	0.7	27.8	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC8-0-1

SAMPLE

Lab Sample ID: JB20V

LIMS ID: 06-2594

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 61.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	8	19	
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.3	0.5	
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.8	32.9	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.5	9.1	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.3	98.0	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	3	110	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.07	0.32	
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.8	1.7	
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	2	23	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.5	0.6	
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.5	65.7	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	0.9	166	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC8-1-2

SAMPLE

Lab Sample ID: JB20W

LIMS ID: 06-2595

Matrix: Sediment

Data Release Authorized 

Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 59.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	8	20	
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.3	1.0	
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.8	46.4	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.5	11.0	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.3	84.9	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	3	137	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.07	0.48	
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.8	1.1	
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	2	37	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.5	0.8	
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.5	69.7	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	0.9	193	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC8-2-4

SAMPLE

Lab Sample ID: JB20X

LIMS ID: 06-2596

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 65.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	7	10	
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	7	40	
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.3	2.8	
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.7	59.4	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.4	8.6	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.3	87.6	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	3	149	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.45	
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.7	2.6	
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	1	32	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	7	7	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.4	2.5	
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	7	7	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.4	56.6	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	0.9	317	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC8-4-6  
SAMPLE

Lab Sample ID: JH57Q

LIMS ID: 06-7258

Matrix: Sediment

Data Release Authorized: *BR*

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 64.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/15/06	7440-36-0	Antimony	7	14	
3050B	05/05/06	6010B	05/15/06	7440-38-2	Arsenic	7	62	
3050B	05/05/06	6010B	05/15/06	7440-43-9	Cadmium	0.3	4.0	
3050B	05/05/06	6010B	05/15/06	7440-47-3	Chromium	0.7	81.6	
3050B	05/05/06	6010B	05/15/06	7440-48-4	Cobalt	0.4	8.2	
3050B	05/05/06	6010B	05/15/06	7440-50-8	Copper	0.3	129	
3050B	05/05/06	6010B	05/15/06	7439-92-1	Lead	3	209	
CLP	05/04/06	7471A	05/09/06	7439-97-6	Mercury	0.06	0.77	
3050B	05/05/06	6010B	05/15/06	7439-98-7	Molybdenum	0.7	4.7	
3050B	05/05/06	6010B	05/15/06	7440-02-0	Nickel	1	23	
3050B	05/05/06	6010B	05/15/06	7782-49-2	Selenium	7	7	U
3050B	05/05/06	6010B	05/15/06	7440-22-4	Silver	0.4	3.6	
3050B	05/05/06	6010B	05/15/06	7440-28-0	Thallium	7	7	U
3050B	05/05/06	6010B	05/15/06	7440-62-2	Vanadium	0.4	59.2	
3050B	05/05/06	6010B	05/15/06	7440-66-6	Zinc	0.9	527	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC8-8-10

SAMPLE

Lab Sample ID: JO76A

LIMS ID: 06-11849

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 07/14/06

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 55.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/11/06	6010B	07/13/06	7440-36-0	Antimony	9	9	U
3050B	07/11/06	6010B	07/13/06	7440-38-2	Arsenic	9	21	
3050B	07/11/06	6010B	07/13/06	7440-43-9	Cadmium	0.4	1.9	
3050B	07/11/06	6010B	07/13/06	7440-47-3	Chromium	0.9	54.3	
3050B	07/11/06	6010B	07/13/06	7440-48-4	Cobalt	0.5	9.4	
3050B	07/11/06	6010B	07/13/06	7440-50-8	Copper	0.4	90.7	
3050B	07/11/06	6010B	07/13/06	7439-92-1	Lead	4	84	
CLP	07/10/06	7471A	07/11/06	7439-97-6	Mercury	0.07	0.85	
3050B	07/11/06	6010B	07/13/06	7439-98-7	Molybdenum	0.9	2.3	
3050B	07/11/06	6010B	07/13/06	7440-02-0	Nickel	2	24	
3050B	07/11/06	6010B	07/13/06	7782-49-2	Selenium	9	9	U
3050B	07/11/06	6010B	07/13/06	7440-22-4	Silver	0.5	2.3	
3050B	07/11/06	6010B	07/13/06	7440-28-0	Thallium	9	9	U
3050B	07/11/06	6010B	07/13/06	7440-62-2	Vanadium	0.5	72.1	
3050B	07/11/06	6010B	07/13/06	7440-66-6	Zinc	1	182	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC8-8-10

DUPLICATE

Lab Sample ID: JO76A

LIMS ID: 06-11849

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 07/14/06

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	9 U	9 U	0.0%	+/- 9	L
Arsenic	6010B	21	21	0.0%	+/- 9	L
Cadmium	6010B	1.9	1.9	0.0%	+/- 20%	
Chromium	6010B	54.3	55.0	1.3%	+/- 20%	
Cobalt	6010B	9.4	9.7	3.1%	+/- 20%	
Copper	6010B	90.7	88.0	3.0%	+/- 20%	
Lead	6010B	84	93	10.2%	+/- 20%	
Mercury	7471A	0.85	0.92	7.9%	+/- 20%	
Molybdenum	6010B	2.3	2.3	0.0%	+/- 0.9	L
Nickel	6010B	24	23	4.3%	+/- 20%	
Selenium	6010B	9 U	9 U	0.0%	+/- 9	L
Silver	6010B	2.3	2.3	0.0%	+/- 0.5	L
Thallium	6010B	9 U	9 U	0.0%	+/- 9	L
Vanadium	6010B	72.1	78.6	8.6%	+/- 20%	
Zinc	6010B	182	189	3.8%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC9-0-1

SAMPLE

Lab Sample ID: JB30S

LIMS ID: 06-2820

Matrix: Sediment

Data Release Authorized: *MC*

Reported: 03/01/06

QC Report No: JB30-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/14/06

Percent Total Solids: 68.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/23/06	6010B	02/28/06	7440-36-0	Antimony	7	7	U
3050B	02/23/06	6010B	02/28/06	7440-38-2	Arsenic	7	17	
3050B	02/23/06	6010B	02/28/06	7440-43-9	Cadmium	0.3	2.0	
3050B	02/23/06	6010B	02/28/06	7440-47-3	Chromium	0.7	51.3	
3050B	02/23/06	6010B	02/28/06	7440-48-4	Cobalt	0.4	9.8	
3050B	02/23/06	6010B	02/28/06	7440-50-8	Copper	0.3	79.3	
3050B	02/23/06	6010B	02/28/06	7439-92-1	Lead	3	99	
CLP	02/23/06	7471A	02/24/06	7439-97-6	Mercury	0.07	0.42	
3050B	02/23/06	6010B	02/28/06	7439-98-7	Molybdenum	0.7	1.3	
3050B	02/23/06	6010B	02/28/06	7440-02-0	Nickel	1	22	
3050B	02/23/06	6010B	02/28/06	7782-49-2	Selenium	7	7	U
3050B	02/23/06	6010B	02/28/06	7440-22-4	Silver	0.4	2.3	
3050B	02/23/06	6010B	02/28/06	7440-28-0	Thallium	7	7	U
3050B	02/23/06	6010B	02/28/06	7440-62-2	Vanadium	0.4	63.4	
3050B	02/23/06	6010B	02/28/06	7440-66-6	Zinc	0.8	168	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC9-1-2.6

SAMPLE

Lab Sample ID: JB30T

LIMS ID: 06-2821

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB30-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/14/06

Percent Total Solids: 50.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/23/06	6010B	02/28/06	7440-36-0	Antimony	9	9	U
3050B	02/23/06	6010B	02/28/06	7440-38-2	Arsenic	9	30	
3050B	02/23/06	6010B	02/28/06	7440-43-9	Cadmium	0.4	5.9	
3050B	02/23/06	6010B	02/28/06	7440-47-3	Chromium	0.9	119	
3050B	02/23/06	6010B	02/28/06	7440-48-4	Cobalt	0.6	11.6	
3050B	02/23/06	6010B	02/28/06	7440-50-8	Copper	0.4	121	
3050B	02/23/06	6010B	02/28/06	7439-92-1	Lead	4	133	
CLP	02/23/06	7471A	02/24/06	7439-97-6	Mercury	0.07	1.28	
3050B	02/23/06	6010B	02/28/06	7439-98-7	Molybdenum	0.9	1.6	
3050B	02/23/06	6010B	02/28/06	7440-02-0	Nickel	2	29	
3050B	02/23/06	6010B	02/28/06	7782-49-2	Selenium	9	9	U
3050B	02/23/06	6010B	02/28/06	7440-22-4	Silver	0.6	7.5	
3050B	02/23/06	6010B	02/28/06	7440-28-0	Thallium	9	9	U
3050B	02/23/06	6010B	02/28/06	7440-62-2	Vanadium	0.6	84.9	
3050B	02/23/06	6010B	02/28/06	7440-66-6	Zinc	1	263	

U-Analyte undetected at given RL  
RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC9-2.6-4  
SAMPLE

Lab Sample ID: JB30U

LIMS ID: 06-2822

Matrix: Sediment

Data Release Authorized: *JK*

Reported: 03/01/06

QC Report No: JB30-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/14/06

Percent Total Solids: 60.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/23/06	6010B	02/28/06	7440-36-0	Antimony	8	8	U
3050B	02/23/06	6010B	02/28/06	7440-38-2	Arsenic	8	16	
3050B	02/23/06	6010B	02/28/06	7440-43-9	Cadmium	0.3	0.8	
3050B	02/23/06	6010B	02/28/06	7440-47-3	Chromium	0.8	23.2	
3050B	02/23/06	6010B	02/28/06	7440-48-4	Cobalt	0.5	8.1	
3050B	02/23/06	6010B	02/28/06	7440-50-8	Copper	0.3	37.9	
3050B	02/23/06	6010B	02/28/06	7439-92-1	Lead	3	37	
CLP	02/23/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.17	
3050B	02/23/06	6010B	02/28/06	7439-98-7	Molybdenum	0.8	1.5	
3050B	02/23/06	6010B	02/28/06	7440-02-0	Nickel	2	15	
3050B	02/23/06	6010B	02/28/06	7782-49-2	Selenium	8	8	U
3050B	02/23/06	6010B	02/28/06	7440-22-4	Silver	0.5	0.5	U
3050B	02/23/06	6010B	02/28/06	7440-28-0	Thallium	8	8	U
3050B	02/23/06	6010B	02/28/06	7440-62-2	Vanadium	0.5	71.5	
3050B	02/23/06	6010B	02/28/06	7440-66-6	Zinc	1	69	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC10-0-1

SAMPLE

Lab Sample ID: JB20AH

LIMS ID: 06-2606

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 76.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	6	6	U
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	6	8	
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.3	0.4	
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.6	30.0	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.4	10.6	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.3	88.1	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	3	43	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.05	0.12	
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.6	1.0	
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	1	22	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	6	6	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	6	6	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.4	63.5	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	0.8	104	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC10-1-2

SAMPLE

Lab Sample ID: JB20AI

LIMS ID: 06-2607

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 51.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	9	9	U
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	9	19	
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.4	0.9	
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.9	44.7	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.6	11.1	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.4	108	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	4	87	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.07	0.27	
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.9	2.4	
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	2	33	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	9	9	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.6	0.7	
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	9	9	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.6	78.0	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	1	239	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC10-2-4

SAMPLE

Lab Sample ID: JB20AJ

LIMS ID: 06-2608

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 55.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/20/06	6010B	02/27/06	7440-36-0	Antimony	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-38-2	Arsenic	8	21	
3050B	02/20/06	6010B	02/27/06	7440-43-9	Cadmium	0.3	2.2	
3050B	02/20/06	6010B	02/27/06	7440-47-3	Chromium	0.8	53.0	
3050B	02/20/06	6010B	02/27/06	7440-48-4	Cobalt	0.5	10.0	
3050B	02/20/06	6010B	02/27/06	7440-50-8	Copper	0.3	200	
3050B	02/20/06	6010B	02/27/06	7439-92-1	Lead	3	308	
CLP	02/20/06	7471A	02/24/06	7439-97-6	Mercury	0.07	0.74	
3050B	02/20/06	6010B	02/27/06	7439-98-7	Molybdenum	0.8	3.1	
3050B	02/20/06	6010B	02/27/06	7440-02-0	Nickel	2	30	
3050B	02/20/06	6010B	02/27/06	7782-49-2	Selenium	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-22-4	Silver	0.5	2.7	
3050B	02/20/06	6010B	02/27/06	7440-28-0	Thallium	8	8	U
3050B	02/20/06	6010B	02/27/06	7440-62-2	Vanadium	0.5	73.9	
3050B	02/20/06	6010B	02/27/06	7440-66-6	Zinc	1	299	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC10-4-5  
SAMPLE

Lab Sample ID: JH57S

LIMS ID: 06-7260

Matrix: Sediment

Data Release Authorized: 

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Percent Total Solids: 49.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
CLP	05/04/06	7471A	05/09/06	7439-97-6	Mercury	0.07	0.17	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

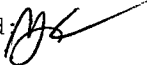
Sample ID: LDW-SC11-0-.8

SAMPLE

Lab Sample ID: JB310

LIMS ID: 06-2839

Matrix: Sediment

Data Release Authorized: 

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Percent Total Solids: 50.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	02/28/06	7440-36-0	Antimony	9	9	U
3050B	02/24/06	6010B	02/28/06	7440-38-2	Arsenic	9	28	
3050B	02/24/06	6010B	02/28/06	7440-43-9	Cadmium	0.4	1.8	
3050B	02/24/06	6010B	02/28/06	7440-47-3	Chromium	0.9	56.6	
3050B	02/24/06	6010B	02/28/06	7440-48-4	Cobalt	0.6	8.5	
3050B	02/24/06	6010B	02/28/06	7440-50-8	Copper	0.4	270	
3050B	02/24/06	6010B	02/28/06	7439-92-1	Lead	4	639	
CLP	02/22/06	7471A	02/24/06	7439-97-6	Mercury	0.09	0.64	
3050B	02/24/06	6010B	02/28/06	7439-98-7	Molybdenum	0.9	3.4	
3050B	02/24/06	6010B	02/28/06	7440-02-0	Nickel	2	26	
3050B	02/24/06	6010B	02/28/06	7782-49-2	Selenium	9	9	U
3050B	02/24/06	6010B	02/28/06	7440-22-4	Silver	0.6	1.6	
3050B	02/24/06	6010B	02/28/06	7440-28-0	Thallium	9	9	U
3050B	02/24/06	6010B	02/28/06	7440-62-2	Vanadium	0.6	57.2	
3050B	02/24/06	6010B	02/28/06	7440-66-6	Zinc	1	482	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC11-.8-2

**SAMPLE**

Lab Sample ID: JB31P

LIMS ID: 06-2840

Matrix: Sediment

Data Release Authorized: 

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Percent Total Solids: 75.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	02/28/06	7440-36-0	Antimony	6	6	U
3050B	02/24/06	6010B	02/28/06	7440-38-2	Arsenic	6	9	
3050B	02/24/06	6010B	02/28/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	02/24/06	6010B	02/28/06	7440-47-3	Chromium	0.6	13.5	
3050B	02/24/06	6010B	02/28/06	7440-48-4	Cobalt	0.4	5.5	
3050B	02/24/06	6010B	02/28/06	7440-50-8	Copper	0.2	17.2	
3050B	02/24/06	6010B	02/28/06	7439-92-1	Lead	2	3	
CLP	02/22/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.06	U
3050B	02/24/06	6010B	02/28/06	7439-98-7	Molybdenum	0.6	1.1	
3050B	02/24/06	6010B	02/28/06	7440-02-0	Nickel	1	10	
3050B	02/24/06	6010B	02/28/06	7782-49-2	Selenium	6	6	U
3050B	02/24/06	6010B	02/28/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/24/06	6010B	02/28/06	7440-28-0	Thallium	6	6	U
3050B	02/24/06	6010B	02/28/06	7440-62-2	Vanadium	0.4	43.9	
3050B	02/24/06	6010B	02/28/06	7440-66-6	Zinc	0.7	26.2	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC11-2-3.4  
SAMPLE

Lab Sample ID: JB31Q

LIMS ID: 06-2841

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Percent Total Solids: 70.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	02/28/06	7440-36-0	Antimony	7	7	U
3050B	02/24/06	6010B	02/28/06	7440-38-2	Arsenic	7	7	
3050B	02/24/06	6010B	02/28/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/24/06	6010B	02/28/06	7440-47-3	Chromium	0.7	15.7	
3050B	02/24/06	6010B	02/28/06	7440-48-4	Cobalt	0.4	5.3	
3050B	02/24/06	6010B	02/28/06	7440-50-8	Copper	0.3	14.4	
3050B	02/24/06	6010B	02/28/06	7439-92-1	Lead	3	3	
CLP	02/22/06	7471A	02/24/06	7439-97-6	Mercury	0.05	0.05	U
3050B	02/24/06	6010B	02/28/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	02/24/06	6010B	02/28/06	7440-02-0	Nickel	1	11	
3050B	02/24/06	6010B	02/28/06	7782-49-2	Selenium	7	7	U
3050B	02/24/06	6010B	02/28/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/24/06	6010B	02/28/06	7440-28-0	Thallium	7	7	U
3050B	02/24/06	6010B	02/28/06	7440-62-2	Vanadium	0.4	48.1	
3050B	02/24/06	6010B	02/28/06	7440-66-6	Zinc	0.8	25.2	

U-Analyte undetected at given RL  
RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC11-3.4-4.1

SAMPLE

Lab Sample ID: JB31R

LIMS ID: 06-2842

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Percent Total Solids: 81.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	02/28/06	7440-36-0	Antimony	6	6	U
3050B	02/24/06	6010B	02/28/06	<b>7440-38-2</b>	<b>Arsenic</b>	6	9	
3050B	02/24/06	6010B	02/28/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	02/24/06	6010B	02/28/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	24.2	
3050B	02/24/06	6010B	02/28/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	7.2	
3050B	02/24/06	6010B	02/28/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	16.0	
3050B	02/24/06	6010B	02/28/06	<b>7439-92-1</b>	<b>Lead</b>	2	3	
CLP	02/22/06	7471A	02/24/06	7439-97-6	Mercury	0.05	0.05	U
3050B	02/24/06	6010B	02/28/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	02/24/06	6010B	02/28/06	<b>7440-02-0</b>	<b>Nickel</b>	1	25	
3050B	02/24/06	6010B	02/28/06	7782-49-2	Selenium	6	6	U
3050B	02/24/06	6010B	02/28/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/24/06	6010B	02/28/06	7440-28-0	Thallium	6	6	U
3050B	02/24/06	6010B	02/28/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	47.1	
3050B	02/24/06	6010B	02/28/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	31.9	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC12-0-2

**SAMPLE**

Lab Sample ID: JB82S

LIMS ID: 06-3268

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 50.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	10	10	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	10	20	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.4	0.4	
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	1	29	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.6	7.5	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.4	73.0	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	4	66	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.08	0.23	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	1	2	
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	2	17	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	10	10	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	10	10	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.6	60.0	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	1	129	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC12-2-4

SAMPLE

Lab Sample ID: JB82T

LIMS ID: 06-3269

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 53.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	9	9	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	9	19	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.4	1.4	
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	0.9	53.6	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	9.0	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.4	76.7	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	4	74	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.08	0.45	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.9	2.0	
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	2	23	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	9	9	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.5	1.6	
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	9	9	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	72.4	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	1	139	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC12-4-6.7  
SAMPLE

Lab Sample ID: JH570


QC Report No: JH57-Windward Environmental, LLC

LIMS ID: 06-7256

Project: LDW RI-Subsurface Sediment Chem

Matrix: Sediment

05-08-06-32

Data Release Authorized: 

Date Sampled: 02/16/06

Reported: 05/17/06

Date Received: 02/16/06

Percent Total Solids: 53.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
CLP	05/04/06	7471A	05/09/06	7439-97-6	Mercury	0.07	0.74	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC12-6.7-8.7

SAMPLE

Lab Sample ID: JO76C

LIMS ID: 06-11851

Matrix: Sediment

Data Release Authorized: 

Reported: 07/14/06

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 77.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
CLP	07/10/06	7471A	07/11/06	7439-97-6	Mercury	0.05	0.05	U

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC13-0-2

SAMPLE

Lab Sample ID: JB30B

LIMS ID: 06-2803

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB30-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/14/06

Percent Total Solids: 63.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/23/06	6010B	02/28/06	7440-36-0	Antimony	7	7	U
3050B	02/23/06	6010B	02/28/06	7440-38-2	Arsenic	7	15	
3050B	02/23/06	6010B	02/28/06	7440-43-9	Cadmium	0.3	1.2	
3050B	02/23/06	6010B	02/28/06	7440-47-3	Chromium	0.7	38.7	
3050B	02/23/06	6010B	02/28/06	7440-48-4	Cobalt	0.4	7.5	
3050B	02/23/06	6010B	02/28/06	7440-50-8	Copper	0.3	52.4	
3050B	02/23/06	6010B	02/28/06	7439-92-1	Lead	3	54	
CLP	02/23/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.30	
3050B	02/23/06	6010B	02/28/06	7439-98-7	Molybdenum	0.7	2.2	
3050B	02/23/06	6010B	02/28/06	7440-02-0	Nickel	1	18	
3050B	02/23/06	6010B	02/28/06	7782-49-2	Selenium	7	7	U
3050B	02/23/06	6010B	02/28/06	7440-22-4	Silver	0.4	1.3	
3050B	02/23/06	6010B	02/28/06	7440-28-0	Thallium	7	7	U
3050B	02/23/06	6010B	02/28/06	7440-62-2	Vanadium	0.4	59.6	
3050B	02/23/06	6010B	02/28/06	7440-66-6	Zinc	0.9	111	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC13-0-2

DUPLICATE

Lab Sample ID: JB30B

LIMS ID: 06-2803

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB30-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/14/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	7 U	7 U	0.0%	+/- 7	L
Arsenic	6010B	15	16	6.5%	+/- 7	L
Cadmium	6010B	1.2	1.2	0.0%	+/- 0.3	L
Chromium	6010B	38.7	37.4	3.4%	+/- 20%	
Cobalt	6010B	7.5	6.5	14.3%	+/- 20%	
Copper	6010B	52.4	54.7	4.3%	+/- 20%	
Lead	6010B	54	88	47.9%	+/- 20%	*
Mercury	7471A	0.30	0.29	3.4%	+/- 0.06	L
Molybdenum	6010B	2.2	2.2	0.0%	+/- 0.7	L
Nickel	6010B	18	18	0.0%	+/- 20%	
Selenium	6010B	7 U	7 U	0.0%	+/- 7	L
Silver	6010B	1.3	1.3	0.0%	+/- 0.4	L
Thallium	6010B	7 U	7 U	0.0%	+/- 7	L
Vanadium	6010B	59.6	48.3	20.9%	+/- 20%	*
Zinc	6010B	111	109	1.8%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC13-2-4

SAMPLE

Lab Sample ID: JB30C

LIMS ID: 06-2804

Matrix: Sediment

Data Release Authorized: 

Reported: 03/01/06

QC Report No: JB30-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/14/06

Percent Total Solids: 65.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/23/06	6010B	02/28/06	7440-36-0	Antimony	7	7	U
3050B	02/23/06	6010B	02/28/06	7440-38-2	Arsenic	7	13	
3050B	02/23/06	6010B	02/28/06	7440-43-9	Cadmium	0.3	0.7	
3050B	02/23/06	6010B	02/28/06	7440-47-3	Chromium	0.7	20.9	
3050B	02/23/06	6010B	02/28/06	7440-48-4	Cobalt	0.4	5.5	
3050B	02/23/06	6010B	02/28/06	7440-50-8	Copper	0.3	27.9	
3050B	02/23/06	6010B	02/28/06	7439-92-1	Lead	3	36	
CLP	02/23/06	7471A	02/24/06	7439-97-6	Mercury	0.07	0.26	
3050B	02/23/06	6010B	02/28/06	7439-98-7	Molybdenum	0.7	1.4	
3050B	02/23/06	6010B	02/28/06	7440-02-0	Nickel	1	11	
3050B	02/23/06	6010B	02/28/06	7782-49-2	Selenium	7	7	U
3050B	02/23/06	6010B	02/28/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/23/06	6010B	02/28/06	7440-28-0	Thallium	7	7	U
3050B	02/23/06	6010B	02/28/06	7440-62-2	Vanadium	0.4	46.3	
3050B	02/23/06	6010B	02/28/06	7440-66-6	Zinc	0.9	60.4	

U-Analyte undetected at given RL  
RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC14-0-1.4

SAMPLE

Lab Sample ID: JB31H

LIMS ID: 06-2832

Matrix: Sediment

Data Release Authorized: 

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Percent Total Solids: 57.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	02/28/06	7440-36-0	Antimony	8	8	U
3050B	02/24/06	6010B	02/28/06	7440-38-2	Arsenic	8	24	
3050B	02/24/06	6010B	02/28/06	7440-43-9	Cadmium	0.3	2.8	
3050B	02/24/06	6010B	02/28/06	7440-47-3	Chromium	0.8	63.7	
3050B	02/24/06	6010B	02/28/06	7440-48-4	Cobalt	0.5	10.8	
3050B	02/24/06	6010B	02/28/06	7440-50-8	Copper	0.3	106	
3050B	02/24/06	6010B	02/28/06	7439-92-1	Lead	3	140	
CLP	02/22/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.71	
3050B	02/24/06	6010B	02/28/06	7439-98-7	Molybdenum	0.8	2.4	
3050B	02/24/06	6010B	02/28/06	7440-02-0	Nickel	2	26	
3050B	02/24/06	6010B	02/28/06	7782-49-2	Selenium	8	8	U
3050B	02/24/06	6010B	02/28/06	7440-22-4	Silver	0.5	3.0	
3050B	02/24/06	6010B	02/28/06	7440-28-0	Thallium	8	8	U
3050B	02/24/06	6010B	02/28/06	7440-62-2	Vanadium	0.5	69.4	
3050B	02/24/06	6010B	02/28/06	7440-66-6	Zinc	1	232	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC14-1.4-2  
SAMPLE

Lab Sample ID: JB31I

LIMS ID: 06-2833

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Percent Total Solids: 54.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	02/28/06	7440-36-0	Antimony	9	9	U
3050B	02/24/06	6010B	02/28/06	7440-38-2	Arsenic	9	22	
3050B	02/24/06	6010B	02/28/06	7440-43-9	Cadmium	0.4	1.7	
3050B	02/24/06	6010B	02/28/06	7440-47-3	Chromium	0.9	51.6	
3050B	02/24/06	6010B	02/28/06	7440-48-4	Cobalt	0.5	11.9	
3050B	02/24/06	6010B	02/28/06	7440-50-8	Copper	0.4	69.5	
3050B	02/24/06	6010B	02/28/06	7439-92-1	Lead	4	68	
CLP	02/22/06	7471A	02/24/06	7439-97-6	Mercury	0.07	0.51	
3050B	02/24/06	6010B	02/28/06	7439-98-7	Molybdenum	0.9	1.4	
3050B	02/24/06	6010B	02/28/06	7440-02-0	Nickel	2	24	
3050B	02/24/06	6010B	02/28/06	7782-49-2	Selenium	9	9	U
3050B	02/24/06	6010B	02/28/06	7440-22-4	Silver	0.5	1.7	
3050B	02/24/06	6010B	02/28/06	7440-28-0	Thallium	9	9	U
3050B	02/24/06	6010B	02/28/06	7440-62-2	Vanadium	0.5	75.7	
3050B	02/24/06	6010B	02/28/06	7440-66-6	Zinc	1	133	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC14-2-4.1

**SAMPLE**

Lab Sample ID: JB31J

LIMS ID: 06-2834

Matrix: Sediment

Data Release Authorized: 

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Percent Total Solids: 50.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	02/28/06	7440-36-0	Antimony	9	9	U
3050B	02/24/06	6010B	02/28/06	7440-38-2	Arsenic	9	22	
3050B	02/24/06	6010B	02/28/06	7440-43-9	Cadmium	0.4	1.3	
3050B	02/24/06	6010B	02/28/06	7440-47-3	Chromium	0.9	42.5	
3050B	02/24/06	6010B	02/28/06	7440-48-4	Cobalt	0.5	11.8	
3050B	02/24/06	6010B	02/28/06	7440-50-8	Copper	0.4	72.2	
3050B	02/24/06	6010B	02/28/06	7439-92-1	Lead	4	60	
CLP	02/22/06	7471A	02/24/06	7439-97-6	Mercury	0.1	0.7	
3050B	02/24/06	6010B	02/28/06	7439-98-7	Molybdenum	0.9	0.9	U
3050B	02/24/06	6010B	02/28/06	7440-02-0	Nickel	2	21	
3050B	02/24/06	6010B	02/28/06	7782-49-2	Selenium	9	9	U
3050B	02/24/06	6010B	02/28/06	7440-22-4	Silver	0.5	2.1	
3050B	02/24/06	6010B	02/28/06	7440-28-0	Thallium	9	9	U
3050B	02/24/06	6010B	02/28/06	7440-62-2	Vanadium	0.5	79.0	
3050B	02/24/06	6010B	02/28/06	7440-66-6	Zinc	1	124	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**  
Page 1 of 1

Sample ID: LDW-SC14-4.1-6  
SAMPLE

Lab Sample ID: JH57Y  
LIMS ID: 06-7266  
Matrix: Sediment  
Data Release Authorized: *MR*  
Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/13/06  
Date Received: 02/13/06

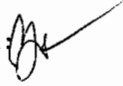
Percent Total Solids: 52.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
CLP	05/04/06	7471A	05/09/06	7439-97-6	Mercury	0.07	0.68	

U-Analyte undetected at given RL  
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET  
TOTAL METALS  
Page 1 of 1

Sample ID: LDW-SC14-6-8.7  
SAMPLE

Lab Sample ID: JO76D  
LIMS ID: 06-11852  
Matrix: Sediment  
Data Release Authorized:   
Reported: 07/14/06

QC Report No: JO76-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/13/06  
Date Received: 02/13/06

Percent Total Solids: 58.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
CLP	07/10/06	7471A	07/11/06	7439-97-6	Mercury	0.07	0.42	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC14-10-11

SAMPLE

Lab Sample ID: JO76E

LIMS ID: 06-11853

Matrix: Sediment

Data Release Authorized 

Reported: 07/14/06

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Percent Total Solids: 74.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
CLP	07/10/06	7471A	07/11/06	7439-97-6	Mercury	0.05	0.05	U

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

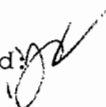
Sample ID: LDW-SC15-0-1

SAMPLE

Lab Sample ID: JB98A

LIMS ID: 06-3365

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 48.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	10	30	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.4	0.5	
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	1	36	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.6	9.5	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.4	98.2	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	4	56	
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.08	0.29	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	1	1	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	2	23	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.6	73.0	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	1	165	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC15-1-2

SAMPLE

Lab Sample ID: JB98B

LIMS ID: 06-3366

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 49.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/04	6010B	03/07/06	7440-36-0	Antimony	10	10	U
3050B	03/06/04	6010B	03/07/06	7440-38-2	Arsenic	10	20	
3050B	03/06/04	6010B	03/07/06	7440-43-9	Cadmium	0.4	0.5	
3050B	03/06/04	6010B	03/07/06	7440-47-3	Chromium	1	36	
3050B	03/06/04	6010B	03/07/06	7440-48-4	Cobalt	0.6	10.8	
3050B	03/06/04	6010B	03/07/06	7440-50-8	Copper	0.4	90.1	
3050B	03/06/04	6010B	03/07/06	7439-92-1	Lead	4	55	
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.09	0.29	
3050B	03/06/04	6010B	03/07/06	7439-98-7	Molybdenum	1	1	
3050B	03/06/04	6010B	03/07/06	7440-02-0	Nickel	2	26	
3050B	03/06/04	6010B	03/07/06	7782-49-2	Selenium	10	10	U
3050B	03/06/04	6010B	03/07/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/06/04	6010B	03/07/06	7440-28-0	Thallium	10	10	U
3050B	03/06/04	6010B	03/07/06	7440-62-2	Vanadium	0.6	76.4	
3050B	03/06/04	6010B	03/07/06	7440-66-6	Zinc	1	162	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC15-2-4

SAMPLE

Lab Sample ID: JB98C

LIMS ID: 06-3367

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 51.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	9	25	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.4	1.6	
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	0.9	37.6	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.6	11.5	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.4	103	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	4	116	
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.07	0.31	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.9	1.3	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	2	25	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.6	0.8	
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.6	83.4	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	1	373	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC16-0-2  
SAMPLE

Lab Sample ID: JB46F  
LIMS ID: 06-2921  
Matrix: Sediment  
Data Release Authorized: *[Signature]*  
Reported: 03/02/06

QC Report No: JB46-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/14/06  
Date Received: 02/14/06

Percent Total Solids: 52.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	9	21	
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.4	1.1	
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	0.9	39.9	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	10.1	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.4	113	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	4	105	
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.08	0.38	
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	0.9	1.6	
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	2	26	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.5	0.7	
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	75.7	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	1	303	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC16-2-4

SAMPLE

Lab Sample ID: JB46G

LIMS ID: 06-2922

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Percent Total Solids: 54.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	9	20	
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.4	4.1	
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	0.9	75.0	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	10.3	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.4	114	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	4	158	
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.07	0.85	
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	0.9	2.6	
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	2	28	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.5	4.5	
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	79.4	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	1	428	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC16-4-6

SAMPLE

Lab Sample ID: JH57T

QC Report No: JH57-Windward Environmental, LLC

LIMS ID: 06-7261

Project: LDW RI-Subsurface Sediment Chem

Matrix: Sediment

05-08-06-32

Data Release Authorized: *[Signature]*

Date Sampled: 02/14/06

Reported: 05/17/06

Date Received: 02/14/06

Percent Total Solids: 48.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/15/06	7440-36-0	Antimony	10	10	U
3050B	05/05/06	6010B	05/15/06	7440-38-2	Arsenic	10	20	
3050B	05/05/06	6010B	05/15/06	7440-43-9	Cadmium	0.4	3.2	
3050B	05/05/06	6010B	05/15/06	7440-47-3	Chromium	1	92	
3050B	05/05/06	6010B	05/15/06	7440-48-4	Cobalt	0.6	10.8	
3050B	05/05/06	6010B	05/15/06	7440-50-8	Copper	0.4	116	
3050B	05/05/06	6010B	05/15/06	7439-92-1	Lead	4	113	
CLP	05/04/06	7471A	05/09/06	7439-97-6	Mercury	0.08	0.98	
3050B	05/05/06	6010B	05/15/06	7439-98-7	Molybdenum	1	2	
3050B	05/05/06	6010B	05/15/06	7440-02-0	Nickel	2	34	
3050B	05/05/06	6010B	05/15/06	7782-49-2	Selenium	10	10	U
3050B	05/05/06	6010B	05/15/06	7440-22-4	Silver	0.6	4.3	
3050B	05/05/06	6010B	05/15/06	7440-28-0	Thallium	10	10	U
3050B	05/05/06	6010B	05/15/06	7440-62-2	Vanadium	0.6	95.1	
3050B	05/05/06	6010B	05/15/06	7440-66-6	Zinc	1	240	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC16-8-10

SAMPLE

Lab Sample ID: JH57U


QC Report No: JH57-Windward Environmental, LLC

LIMS ID: 06-7262

Project: LDW RI-Subsurface Sediment Chem

Matrix: Sediment

05-08-06-32

Data Release Authorized: 

Date Sampled: 02/14/06

Reported: 05/17/06

Date Received: 02/14/06

Percent Total Solids: 62.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/15/06	7440-36-0	Antimony	8	8	U
3050B	05/05/06	6010B	05/15/06	7440-38-2	Arsenic	8	14	
3050B	05/05/06	6010B	05/15/06	7440-43-9	Cadmium	0.3	1.2	
3050B	05/05/06	6010B	05/15/06	7440-47-3	Chromium	0.8	34.9	
3050B	05/05/06	6010B	05/15/06	7440-48-4	Cobalt	0.5	7.3	
3050B	05/05/06	6010B	05/15/06	7440-50-8	Copper	0.3	53.9	
3050B	05/05/06	6010B	05/15/06	7439-92-1	Lead	3	79	
CLP	05/04/06	7471A	05/09/06	7439-97-6	Mercury	0.06	0.35	
3050B	05/05/06	6010B	05/15/06	7439-98-7	Molybdenum	0.8	1.3	
3050B	05/05/06	6010B	05/15/06	7440-02-0	Nickel	2	20	
3050B	05/05/06	6010B	05/15/06	7782-49-2	Selenium	8	8	U
3050B	05/05/06	6010B	05/15/06	7440-22-4	Silver	0.5	0.5	
3050B	05/05/06	6010B	05/15/06	7440-28-0	Thallium	8	8	U
3050B	05/05/06	6010B	05/15/06	7440-62-2	Vanadium	0.5	63.9	
3050B	05/05/06	6010B	05/15/06	7440-66-6	Zinc	0.9	137	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC17-0-1

**SAMPLE**

Lab Sample ID: JC42G

LIMS ID: 06-3822

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 46.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	10	20	
3050B	03/16/06	6010B	03/20/06	7440-38-2	Arsenic	10	110	
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.4	4.5	
3050B	03/16/06	6010B	03/20/06	7440-47-3	Chromium	1	47	
3050B	03/16/06	6010B	03/20/06	7440-48-4	Cobalt	0.6	12.6	
3050B	03/16/06	6010B	03/20/06	7440-50-8	Copper	0.4	187	
3050B	03/16/06	6010B	03/20/06	7439-92-1	Lead	4	173	
CLP	03/16/06	7471A	03/17/06	7439-97-6	Mercury	0.1	0.5	
3050B	03/16/06	6010B	03/20/06	7439-98-7	Molybdenum	1	11	
3050B	03/16/06	6010B	03/20/06	7440-02-0	Nickel	2	36	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	10	10	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.6	1.0	
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	10	10	U
3050B	03/16/06	6010B	03/20/06	7440-62-2	Vanadium	0.6	83.0	
3050B	03/16/06	6010B	03/20/06	7440-66-6	Zinc	1	1,260	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC17-1-2

SAMPLE

Lab Sample ID: JC42H

LIMS ID: 06-3823

Matrix: Sediment

Data Release Authorized *AK*

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 48.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	10	40	
3050B	03/16/06	6010B	03/20/06	7440-38-2	Arsenic	10	170	
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.4	7.6	
3050B	03/16/06	6010B	03/20/06	7440-47-3	Chromium	1	47	
3050B	03/16/06	6010B	03/20/06	7440-48-4	Cobalt	0.6	15.6	
3050B	03/16/06	6010B	03/20/06	7440-50-8	Copper	0.4	224	
3050B	03/16/06	6010B	03/20/06	7439-92-1	Lead	4	286	
CLP	03/16/06	7471A	03/17/06	7439-97-6	Mercury	0.1	0.6	
3050B	03/16/06	6010B	03/20/06	7439-98-7	Molybdenum	1	16	
3050B	03/16/06	6010B	03/20/06	7440-02-0	Nickel	2	38	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	10	10	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.6	1.4	
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	10	10	U
3050B	03/16/06	6010B	03/20/06	7440-62-2	Vanadium	0.6	84.3	
3050B	03/16/06	6010B	03/20/06	7440-66-6	Zinc	1	2,050	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC17-2-4

SAMPLE

Lab Sample ID: JC42I

LIMS ID: 06-3824

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 41.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/21/06	7440-36-0	Antimony	30	60	
3050B	03/16/06	6010B	03/21/06	7440-38-2	Arsenic	30	60	
3050B	03/16/06	6010B	03/21/06	7440-43-9	Cadmium	1	15	
3050B	03/16/06	6010B	03/21/06	7440-47-3	Chromium	3	386	
3050B	03/16/06	6010B	03/21/06	7440-48-4	Cobalt	2	20	
3050B	03/16/06	6010B	03/21/06	7440-50-8	Copper	1	219	
3050B	03/16/06	6010B	03/21/06	7439-92-1	Lead	10	1,740	
CLP	03/16/06	7471A	03/17/06	7439-97-6	Mercury	0.09	1.29	
3050B	03/16/06	6010B	03/21/06	7439-98-7	Molybdenum	3	9	
3050B	03/16/06	6010B	03/21/06	7440-02-0	Nickel	6	226	
3050B	03/16/06	6010B	03/21/06	7782-49-2	Selenium	30	30	U
3050B	03/16/06	6010B	03/21/06	7440-22-4	Silver	2	2	
3050B	03/16/06	6010B	03/21/06	7440-28-0	Thallium	30	30	U
3050B	03/16/06	6010B	03/21/06	7440-62-2	Vanadium	2	223	
3050B	03/16/06	6010B	03/21/06	7440-66-6	Zinc	4	3,840	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC17-6-8.2  
SAMPLE

Lab Sample ID: JH57AD

LIMS ID: 06-7271

Matrix: Sediment

Data Release Authorized: 

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 54.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/15/06	7440-36-0	Antimony	9	13	
3050B	05/05/06	6010B	05/15/06	7440-38-2	Arsenic	9	76	
3050B	05/05/06	6010B	05/15/06	7440-43-9	Cadmium	0.4	20.4	
3050B	05/05/06	6010B	05/15/06	7440-47-3	Chromium	0.9	50.3	
3050B	05/05/06	6010B	05/15/06	7440-48-4	Cobalt	0.5	11.9	
3050B	05/05/06	6010B	05/15/06	7440-50-8	Copper	0.4	235	
3050B	05/05/06	6010B	05/15/06	7439-92-1	Lead	4	470	
CLP	05/04/06	7471A	05/09/06	7439-97-6	Mercury	0.08	0.75	
3050B	05/05/06	6010B	05/15/06	7439-98-7	Molybdenum	0.9	7.7	
3050B	05/05/06	6010B	05/15/06	7440-02-0	Nickel	2	69	
3050B	05/05/06	6010B	05/15/06	7782-49-2	Selenium	9	9	U
3050B	05/05/06	6010B	05/15/06	7440-22-4	Silver	0.5	2.2	
3050B	05/05/06	6010B	05/15/06	7440-28-0	Thallium	9	9	U
3050B	05/05/06	6010B	05/15/06	7440-62-2	Vanadium	0.5	112	
3050B	05/05/06	6010B	05/15/06	7440-66-6	Zinc	1	4,550	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC18-0-1  
SAMPLE

Lab Sample ID: JB98G

LIMS ID: 06-3371

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 72.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	6	11	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.3	0.3	
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	0.6	22.0	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.4	6.0	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.3	37.9	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	3	22	
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.06	0.11	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.6	0.9	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	1	14	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.4	49.9	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	0.8	79.0	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC18-1-2

**SAMPLE**

Lab Sample ID: JB98H

LIMS ID: 06-3372

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 75.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/06/06	6010B	03/07/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>14.3</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>5.1</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	<b>18.5</b>	
3050B	03/06/06	6010B	03/07/06	<b>7439-92-1</b>	<b>Lead</b>	2	7	
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/06/06	6010B	03/07/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>10</b>	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	6	6	U
3050B	03/06/06	6010B	03/07/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>44.7</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	<b>34.3</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC18-2-4

**SAMPLE**

Lab Sample ID: JB98I

LIMS ID: 06-3373

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 76.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/06/06	6010B	03/07/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>10.5</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>3.9</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	<b>12.7</b>	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	2	2	U
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/06/06	6010B	03/07/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>7</b>	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	6	6	U
3050B	03/06/06	6010B	03/07/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>38.7</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	<b>20.3</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC19-0-1  
SAMPLE

Lab Sample ID: JC95J

LIMS ID: 06-4149

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 45.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	10	10	U
3050B	03/17/06	6010B	03/20/06	<b>7440-38-2</b>	<b>Arsenic</b>	10	20	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/17/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	1	36	
3050B	03/17/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.6	8.6	
3050B	03/17/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.4	101	
3050B	03/17/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	4	60	
CLP	03/17/06	7471A	03/17/06	<b>7439-97-6</b>	<b>Mercury</b>	0.09	0.34	
3050B	03/17/06	6010B	03/20/06	<b>7439-98-7</b>	<b>Molybdenum</b>	1	1	
3050B	03/17/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	2	24	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	10	10	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	10	10	U
3050B	03/17/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.6	69.2	
3050B	03/17/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	1	162	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC19-1-2  
SAMPLE

Lab Sample ID: JC95K

LIMS ID: 06-4150

Matrix: Sediment

Data Release Authorized: 

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 50.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	10	10	U
3050B	03/17/06	6010B	03/20/06	<b>7440-38-2</b>	<b>Arsenic</b>	10	20	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/17/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	1	35	
3050B	03/17/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.6	10.1	
3050B	03/17/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.4	89.2	
3050B	03/17/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	4	50	
CLP	03/17/06	7471A	03/17/06	<b>7439-97-6</b>	<b>Mercury</b>	0.08	0.25	
3050B	03/17/06	6010B	03/20/06	<b>7439-98-7</b>	<b>Molybdenum</b>	1	1	
3050B	03/17/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	2	26	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	10	10	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	10	10	U
3050B	03/17/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.6	75.4	
3050B	03/17/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	1	148	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC19-2-4  
SAMPLE

Lab Sample ID: JC95L

LIMS ID: 06-4151

Matrix: Sediment

Data Release Authorized: *JK*

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 56.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	8	8	U
3050B	03/17/06	6010B	03/20/06	<b>7440-38-2</b>	<b>Arsenic</b>	8	<b>24</b>	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/17/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.8	<b>30.6</b>	
3050B	03/17/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.5	<b>8.7</b>	
3050B	03/17/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>87.9</b>	
3050B	03/17/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	3	<b>70</b>	
CLP	03/17/06	7471A	03/17/06	<b>7439-97-6</b>	<b>Mercury</b>	0.07	<b>0.21</b>	
3050B	03/17/06	6010B	03/20/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.8	<b>1.3</b>	
3050B	03/17/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	2	<b>22</b>	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	8	8	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	8	8	U
3050B	03/17/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.5	<b>64.4</b>	
3050B	03/17/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	1	<b>150</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC20-0-2  
SAMPLE

Lab Sample ID: JB80G

LIMS ID: 06-3223

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB80-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

04-08-06-24

Date Sampled: 02/15/06

Date Received: 02/15/06

Percent Total Solids: 47.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	10	10	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	10	20	
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.4	1.9	
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	1	67	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.6	11.7	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.4	90.4	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	4	82	
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.07	0.65	
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	1	2	
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	2	28	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	10	10	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.6	2.3	
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	10	10	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.6	86.9	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	1	173	

U-Analyte undetected at given RL  
RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC20-2-4  
SAMPLE

Lab Sample ID: JB80H

LIMS ID: 06-3224

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/02/06

QC Report No: JB80-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

04-08-06-24

Date Sampled: 02/15/06

Date Received: 02/15/06

Percent Total Solids: 54.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	9	17	
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.7	
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	0.9	34.6	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	10.9	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.3	56.6	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	3	33	
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.08	0.35	
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	0.9	0.9	P
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	2	21	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.5	0.6	
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	79.1	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	1	103	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC20-2-4  
DUPLICATE

Lab Sample ID: JB80H

LIMS ID: 06-3224

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/02/06

QC Report No: JB80-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

04-08-06-24

Date Sampled: 02/15/06

Date Received: 02/15/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	9 U	9 U	0.0%	+/- 9	L
Arsenic	6010B	17	17	0.0%	+/- 9	L
Cadmium	6010B	0.7	0.7	0.0%	+/- 0.3	L
Chromium	6010B	34.6	34.8	0.6%	+/- 20%	
Cobalt	6010B	10.9	11.0	0.9%	+/- 20%	
Copper	6010B	56.6	57.4	1.4%	+/- 20%	
Lead	6010B	33	32	3.1%	+/- 20%	
Mercury	7471A	0.35	0.35	0.0%	+/- 0.08	L
Molybdenum	6010B	0.9 U	0.9 U	0.0%	+/- 0.9	L
Nickel	6010B	21	22	4.7%	+/- 20%	
Selenium	6010B	9 U	9 U	0.0%	+/- 9	L
Silver	6010B	0.6	0.6	0.0%	+/- 0.5	L
Thallium	6010B	9 U	9 U	0.0%	+/- 9	L
Vanadium	6010B	79.1	80.7	2.0%	+/- 20%	
Zinc	6010B	103	104	1.0%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC21-0-1  
SAMPLE

Lab Sample ID: JB64E

LIMS ID: 06-3075

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/02/06

QC Report No: JB64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/15/06

Date Received: 02/15/06

Percent Total Solids: 47.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	10	10	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	10	20	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.4	0.7	
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	1	35	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.6	10.4	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.4	95.9	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	4	55	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.1	0.3	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	1	1	
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	2	25	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	10	10	
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	10	10	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.6	75.7	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	1	153	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET  
TOTAL METALS  
Page 1 of 1

Sample ID: LDW-SC21-0-1  
DUPLICATE

Lab Sample ID: JB64E  
LIMS ID: 06-3075  
Matrix: Sediment  
Data Release Authorized  
Reported: 03/02/06

QC Report No: JB64-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/15/06  
Date Received: 02/15/06

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	10 U	10 U	0.0%	+/- 10	L
Arsenic	6010B	20	20	0.0%	+/- 10	L
Cadmium	6010B	0.7	0.4 U	54.5%	+/- 0.4	L
Chromium	6010B	35	36	2.8%	+/- 20%	
Cobalt	6010B	10.4	9.8	5.9%	+/- 20%	
Copper	6010B	95.9	95.0	0.9%	+/- 20%	
Lead	6010B	55	55	0.0%	+/- 20%	
Mercury	7471A	0.3	0.3	0.0%	+/- 0.1	L
Molybdenum	6010B	1	1	0.0%	+/- 1	L
Nickel	6010B	25	25	0.0%	+/- 20%	
Selenium	6010B	10 U	10 U	0.0%	+/- 10	L
Silver	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Thallium	6010B	10 U	10 U	0.0%	+/- 10	L
Vanadium	6010B	75.7	75.1	0.8%	+/- 20%	
Zinc	6010B	153	157	2.6%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC21-1-2  
SAMPLE

Lab Sample ID: JB64F

LIMS ID: 06-3076

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/02/06

QC Report No: JB64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/15/06

Date Received: 02/15/06

Percent Total Solids: 52.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	9	9	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	9	19	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	0.9	34.0	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.6	11.0	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.4	85.7	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	4	46	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.09	0.20	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.9	1.0	
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	2	27	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	9	9	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	9	9	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.6	81.5	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	1	133	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC21-2-4  
SAMPLE

Lab Sample ID: JB64G

LIMS ID: 06-3077

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 03/02/06

QC Report No: JB64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/15/06

Date Received: 02/15/06

Percent Total Solids: 58.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	8	34	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.6	
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	0.8	32.6	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	9.9	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.3	114	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	3	107	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.07	0.26	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.8	1.8	
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	2	21	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	69.1	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	1	189	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC22-0-1.1

SAMPLE

Lab Sample ID: JB46A

LIMS ID: 06-2916

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Percent Total Solids: 69.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	7	7	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	7	12	
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	0.7	18.4	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.4	6.3	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.3	35.1	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	3	39	
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.05	0.13	
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	0.7	2.4	
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	1	13	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	7	7	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	7	7	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.4	49.9	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	0.8	74.6	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC22-0-1.1

DUPLICATE

Lab Sample ID: JB46A

LIMS ID: 06-2916

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	7 U	7 U	0.0%	+/- 7	L
Arsenic	6010B	12	11	8.7%	+/- 7	L
Cadmium	6010B	0.3	0.3	0.0%	+/- 0.3	L
Chromium	6010B	18.4	20.3	9.8%	+/- 20%	
Cobalt	6010B	6.3	6.8	7.6%	+/- 20%	
Copper	6010B	35.1	70.6	67.2%	+/- 20%	*
Lead	6010B	39	53	30.4%	+/- 20%	*
Mercury	7471A	0.13	0.14	7.4%	+/- 0.05	L
Molybdenum	6010B	2.4	2.2	8.7%	+/- 0.7	L
Nickel	6010B	13	21	47.1%	+/- 20%	*
Selenium	6010B	7 U	7 U	0.0%	+/- 7	L
Silver	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Thallium	6010B	7 U	7 U	0.0%	+/- 7	L
Vanadium	6010B	49.9	49.7	0.4%	+/- 20%	
Zinc	6010B	74.6	77.4	3.7%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC22-1.1-2

SAMPLE

Lab Sample ID: JB46B

LIMS ID: 06-2917

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Percent Total Solids: 76.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	6	6	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	6	8	
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	0.6	18.9	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.4	5.6	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.3	28.1	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	3	36	
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.14	
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	0.6	2.8	
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	1	15	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	6	6	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	6	6	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.4	47.4	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	0.8	67.9	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC22-2-4

SAMPLE

Lab Sample ID: JB46C

LIMS ID: 06-2918

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/02/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Percent Total Solids: 75.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	6	6	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	6	7	
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	0.6	13.0	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.4	4.3	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.3	17.7	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	3	25	
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.06	U
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	0.6	1.1	
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	1	9	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	6	6	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	6	6	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.4	43.9	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	0.8	47.9	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC23-0-2

SAMPLE

Lab Sample ID: JB91C

LIMS ID: 06-3311

Matrix: Sediment

Data Release Authorized: 

Reported: 03/06/06

QC Report No: JB91-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 56.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/02/06	7440-36-0	Antimony	8	8	U
3050B	03/01/06	6010B	03/02/06	<del>7440-38-2</del>	Arsenic	8	18	
3050B	03/01/06	6010B	03/02/06	<del>7440-43-9</del>	Cadmium	0.3	0.5	
3050B	03/01/06	6010B	03/02/06	<del>7440-47-3</del>	Chromium	0.8	29.5	
3050B	03/01/06	6010B	03/02/06	<del>7440-48-4</del>	Cobalt	0.5	9.0	
3050B	03/01/06	6010B	03/02/06	<del>7440-50-8</del>	Copper	0.3	67.7	
3050B	03/01/06	6010B	03/02/06	<del>7439-92-1</del>	Lead	3	56	
CLP	02/27/06	7471A	02/28/06	<del>7439-97-6</del>	Mercury	0.06	0.20	
3050B	03/01/06	6010B	03/02/06	<del>7439-98-7</del>	Molybdenum	0.8	0.8	U
3050B	03/01/06	6010B	03/02/06	<del>7440-02-0</del>	Nickel	2	22	
3050B	03/01/06	6010B	03/02/06	<del>7782-49-2</del>	Selenium	8	8	U
3050B	03/01/06	6010B	03/02/06	<del>7440-22-4</del>	Silver	0.5	0.5	U
3050B	03/01/06	6010B	03/02/06	<del>7440-28-0</del>	Thallium	8	8	U
3050B	03/01/06	6010B	03/02/06	<del>7440-62-2</del>	Vanadium	0.5	65.0	
3050B	03/01/06	6010B	03/02/06	<del>7440-66-6</del>	Zinc	1	122	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC23-2-4  
SAMPLE

Lab Sample ID: JB91D

LIMS ID: 06-3312

Matrix: Sediment

Data Release Authorized: 

Reported: 03/06/06

QC Report No: JB91-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 50.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/02/06	7440-36-0	Antimony	9	9	U
3050B	03/01/06	6010B	03/02/06	7440-38-2	Arsenic	9	20	
3050B	03/01/06	6010B	03/02/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/01/06	6010B	03/02/06	7440-47-3	Chromium	0.9	33.4	
3050B	03/01/06	6010B	03/02/06	7440-48-4	Cobalt	0.6	10.9	
3050B	03/01/06	6010B	03/02/06	7440-50-8	Copper	0.4	73.3	
3050B	03/01/06	6010B	03/02/06	7439-92-1	Lead	4	46	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.07	0.20	
3050B	03/01/06	6010B	03/02/06	7439-98-7	Molybdenum	0.9	1.1	
3050B	03/01/06	6010B	03/02/06	7440-02-0	Nickel	2	28	
3050B	03/01/06	6010B	03/02/06	7782-49-2	Selenium	9	9	U
3050B	03/01/06	6010B	03/02/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/01/06	6010B	03/02/06	7440-28-0	Thallium	9	9	U
3050B	03/01/06	6010B	03/02/06	7440-62-2	Vanadium	0.6	71.5	
3050B	03/01/06	6010B	03/02/06	7440-66-6	Zinc	1	159	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC24-0-1  
SAMPLE

Lab Sample ID: JB98Q

LIMS ID: 06-3381

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 53.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	9	30	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.4	0.4	
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	0.9	34.1	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.5	11.0	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.4	142	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	4	69	
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.07	0.26	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.9	2.6	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	2	24	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.5	71.2	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	1	195	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC24-1-2  
SAMPLE

Lab Sample ID: JB98R

LIMS ID: 06-3382

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 71.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	7	7	U
3050B	03/06/06	6010B	03/07/06	<b>7440-38-2</b>	<b>Arsenic</b>	7	<b>11</b>	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/06/06	6010B	03/07/06	<b>7440-47-3</b>	<b>Chromium</b>	0.7	<b>13.7</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>5.1</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>40.0</b>	
3050B	03/06/06	6010B	03/07/06	<b>7439-92-1</b>	<b>Lead</b>	3	<b>8</b>	
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/06/06	6010B	03/07/06	<b>7440-02-0</b>	<b>Nickel</b>	.1	<b>9</b>	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	7	7	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	7	7	U
3050B	03/06/06	6010B	03/07/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>46.4</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>38.3</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC24-2-4  
SAMPLE

Lab Sample ID: JB98S

LIMS ID: 06-3383

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 72.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	7	7	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	7	7	U
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/06/06	6010B	03/07/06	<b>7440-47-3</b>	<b>Chromium</b>	0.7	<b>11.1</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>4.3</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>15.4</b>	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	3	3	U
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/06/06	6010B	03/07/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>7</b>	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	7	7	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	7	7	U
3050B	03/06/06	6010B	03/07/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>41.0</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>22.6</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC25-0-1  
SAMPLE

Lab Sample ID: JB96Q

LIMS ID: 06-3358

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 49.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	10	50	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.4	0.4	
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	1	42	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.6	11.6	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.4	327	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	4	76	
CLP	03/03/06	7471A	03/09/06	7439-97-6	Mercury	0.07	0.27	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	1	4	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	2	24	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.6	73.1	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	1	263	

U-Analyte undetected at given RL  
RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC25-1-2

SAMPLE

Lab Sample ID: JB96R

LIMS ID: 06-3359

Matrix: Sediment

Data Release Authorized 

Reported: 03/13/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 53.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	9	16	
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	9	91	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.4	0.5	
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	0.9	44.7	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.5	14.5	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.4	339	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	4	98	
CLP	03/03/06	7471A	03/09/06	7439-97-6	Mercury	0.07	0.30	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.9	6.5	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	2	26	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.5	75.1	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	1	503	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

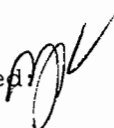
Page 1 of 1

Sample ID: LDW-SC25-2-4  
SAMPLE

Lab Sample ID: JB96S

LIMS ID: 06-3360

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 54.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	20	30	
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	20	170	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.8	0.8	U
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	2	45	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	1	20	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.8	541	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	8	173	
CLP	03/03/06	7471A	03/09/06	7439-97-6	Mercury	0.06	0.40	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	2	10	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	4	27	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	20	20	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	1	1	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	20	20	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	1	79	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	3	750	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC25-4-6  
SAMPLE

Lab Sample ID: JH57AA

LIMS ID: 06-7268

Matrix: Sediment

Data Release Authorized: 

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 51.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/16/06	7440-36-0	Antimony	20	30	
3050B	05/05/06	6010B	05/16/06	7440-38-2	Arsenic	20	250	
3050B	05/05/06	6010B	05/16/06	7440-43-9	Cadmium	0.9	1.5	
3050B	05/05/06	6010B	05/16/06	7440-47-3	Chromium	2	55	
3050B	05/05/06	6010B	05/16/06	7440-48-4	Cobalt	1	22	
3050B	05/05/06	6010B	05/16/06	7440-50-8	Copper	0.9	663	
3050B	05/05/06	6010B	05/16/06	7439-92-1	Lead	9	310	
3050B	05/05/06	6010B	05/16/06	7439-98-7	Molybdenum	2	16	
3050B	05/05/06	6010B	05/16/06	7440-02-0	Nickel	5	28	
3050B	05/05/06	6010B	05/16/06	7782-49-2	Selenium	20	20	U
3050B	05/05/06	6010B	05/16/06	7440-22-4	Silver	1	1	U
3050B	05/05/06	6010B	05/16/06	7440-28-0	Thallium	20	20	U
3050B	05/05/06	6010B	05/16/06	7440-62-2	Vanadium	1	89	
3050B	05/05/06	6010B	05/16/06	7440-66-6	Zinc	3	1,420	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

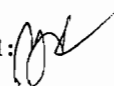
Sample ID: LDW-SC25-8-9.1

**SAMPLE**

Lab Sample ID: JO76M

LIMS ID: 06-11861

Matrix: Sediment

Data Release Authorized: 

Reported: 07/14/06

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 76.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/11/06	6010B	07/13/06	7440-36-0	Antimony	6	6	U
3050B	07/11/06	6010B	07/13/06	<b>7440-38-2</b>	<b>Arsenic</b>	6	8	
3050B	07/11/06	6010B	07/13/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	07/11/06	6010B	07/13/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	8.3	
3050B	07/11/06	6010B	07/13/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	3.3	
3050B	07/11/06	6010B	07/13/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	7.5	
3050B	07/11/06	6010B	07/13/06	7439-92-1	Lead	2	2	U
3050B	07/11/06	6010B	07/13/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.6	0.7	
3050B	07/11/06	6010B	07/13/06	<b>7440-02-0</b>	<b>Nickel</b>	1	5	
3050B	07/11/06	6010B	07/13/06	7782-49-2	Selenium	6	6	U
3050B	07/11/06	6010B	07/13/06	7440-22-4	Silver	0.4	0.4	U
3050B	07/11/06	6010B	07/13/06	7440-28-0	Thallium	6	6	U
3050B	07/11/06	6010B	07/13/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	37.5	
3050B	07/11/06	6010B	07/13/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	17.6	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC26-0-1

SAMPLE

Lab Sample ID: JC21AL

LIMS ID: 06-3610

Matrix: Sediment

Data Release Authorized: 

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 49.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/17/06	7440-36-0	Antimony	10	10	U
3050B	03/16/06	6010B	03/17/06	7440-38-2	Arsenic	10	40	
3050B	03/16/06	6010B	03/17/06	7440-43-9	Cadmium	0.4	0.5	
3050B	03/16/06	6010B	03/17/06	7440-47-3	Chromium	1	37	
3050B	03/16/06	6010B	03/17/06	7440-48-4	Cobalt	0.6	11.2	
3050B	03/16/06	6010B	03/17/06	7440-50-8	Copper	0.4	146	
3050B	03/16/06	6010B	03/17/06	7439-92-1	Lead	4	58	
CLP	03/15/06	7471A	03/17/06	7439-97-6	Mercury	0.07	0.28	
3050B	03/16/06	6010B	03/17/06	7439-98-7	Molybdenum	1	3	
3050B	03/16/06	6010B	03/17/06	7440-02-0	Nickel	2	27	
3050B	03/16/06	6010B	03/17/06	7782-49-2	Selenium	10	10	U
3050B	03/16/06	6010B	03/17/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/16/06	6010B	03/17/06	7440-28-0	Thallium	10	10	U
3050B	03/16/06	6010B	03/17/06	7440-62-2	Vanadium	0.6	78.9	
3050B	03/16/06	6010B	03/17/06	7440-66-6	Zinc	1	198	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC26-1-2

SAMPLE

Lab Sample ID: JC21AM

LIMS ID: 06-3611

Matrix: Sediment

Data Release Authorized: 

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 52.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/17/06	7440-36-0	Antimony	9	9	U
3050B	03/16/06	6010B	03/17/06	7440-38-2	Arsenic	9	36	
3050B	03/16/06	6010B	03/17/06	7440-43-9	Cadmium	0.4	0.5	
3050B	03/16/06	6010B	03/17/06	7440-47-3	Chromium	0.9	61.7	
3050B	03/16/06	6010B	03/17/06	7440-48-4	Cobalt	0.5	11.9	
3050B	03/16/06	6010B	03/17/06	7440-50-8	Copper	0.4	173	
3050B	03/16/06	6010B	03/17/06	7439-92-1	Lead	4	57	
CLP	03/15/06	7471A	03/17/06	7439-97-6	Mercury	0.07	0.28	
3050B	03/16/06	6010B	03/17/06	7439-98-7	Molybdenum	0.9	3.1	
3050B	03/16/06	6010B	03/17/06	7440-02-0	Nickel	2	32	
3050B	03/16/06	6010B	03/17/06	7782-49-2	Selenium	9	9	U
3050B	03/16/06	6010B	03/17/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/16/06	6010B	03/17/06	7440-28-0	Thallium	9	9	U
3050B	03/16/06	6010B	03/17/06	7440-62-2	Vanadium	0.5	78.5	
3050B	03/16/06	6010B	03/17/06	7440-66-6	Zinc	1	191	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC26-2-4

**SAMPLE**

Lab Sample ID: JC21AN

LIMS ID: 06-3612

Matrix: Sediment

Data Release Authorized: 

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 53.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/17/06	7440-36-0	Antimony	9	10	
3050B	03/16/06	6010B	03/17/06	7440-38-2	Arsenic	9	67	
3050B	03/16/06	6010B	03/17/06	7440-43-9	Cadmium	0.4	0.6	
3050B	03/16/06	6010B	03/17/06	7440-47-3	Chromium	0.9	38.7	
3050B	03/16/06	6010B	03/17/06	7440-48-4	Cobalt	0.5	15.8	
3050B	03/16/06	6010B	03/17/06	7440-50-8	Copper	0.4	544	
3050B	03/16/06	6010B	03/17/06	7439-92-1	Lead	4	91	
CLP	03/15/06	7471A	03/17/06	7439-97-6	Mercury	0.07	0.69	
3050B	03/16/06	6010B	03/17/06	7439-98-7	Molybdenum	0.9	5.9	
3050B	03/16/06	6010B	03/17/06	7440-02-0	Nickel	2	26	
3050B	03/16/06	6010B	03/17/06	7782-49-2	Selenium	9	9	U
3050B	03/16/06	6010B	03/17/06	7440-22-4	Silver	0.5	0.8	
3050B	03/16/06	6010B	03/17/06	7440-28-0	Thallium	9	9	U
3050B	03/16/06	6010B	03/17/06	7440-62-2	Vanadium	0.5	80.1	
3050B	03/16/06	6010B	03/17/06	7440-66-6	Zinc	1	319	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC26-6-8

SAMPLE

Lab Sample ID: JH57A

LIMS ID: 06-7166

Matrix: Sediment

Data Release Authorized: 

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 60.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/16/06	7440-36-0	Antimony	40	270	
3050B	05/05/06	6010B	05/16/06	7440-38-2	Arsenic	40	1,740	
3050B	05/05/06	6010B	05/16/06	7440-43-9	Cadmium	2	3	
3050B	05/05/06	6010B	05/16/06	7440-47-3	Chromium	4	163	
3050B	05/05/06	6010B	05/16/06	7440-48-4	Cobalt	2	103	
3050B	05/05/06	6010B	05/16/06	7440-50-8	Copper	2	1,950	
3050B	05/05/06	6010B	05/16/06	7439-92-1	Lead	20	1,350	
CLP	05/04/06	7471A	05/09/06	7439-97-6	Mercury	0.06	4.03	
3050B	05/05/06	6010B	05/16/06	7439-98-7	Molybdenum	4	153	
3050B	05/05/06	6010B	05/16/06	7440-02-0	Nickel	8	60	
3050B	05/05/06	6010B	05/16/06	7782-49-2	Selenium	40	40	U
3050B	05/05/06	6010B	05/16/06	7440-22-4	Silver	2	3	
3050B	05/05/06	6010B	05/16/06	7440-28-0	Thallium	40	40	U
3050B	05/05/06	6010B	05/16/06	7440-62-2	Vanadium	2	69	
3050B	05/05/06	6010B	05/16/06	7440-66-6	Zinc	5	3,800	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC26-6-8

DUPLICATE

Lab Sample ID: JH57A

LIMS ID: 06-7166

Matrix: Sediment

Data Release Authorized

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	270	280	3.6%	+/- 20%	
Arsenic	6010B	1,740	2,040	15.9%	+/- 20%	
Cadmium	6010B	3	4	28.6%	+/- 2	L
Chromium	6010B	163	156	4.4%	+/- 20%	
Cobalt	6010B	103	108	4.7%	+/- 20%	
Copper	6010B	1,950	1,940	0.5%	+/- 20%	
Lead	6010B	1,350	1,350	0.0%	+/- 20%	
Mercury	7471A	4.03	4.65	14.3%	+/- 20%	
Molybdenum	6010B	153	179	15.7%	+/- 20%	
Nickel	6010B	60	55	8.7%	+/- 20%	
Selenium	6010B	40 U	40 U	0.0%	+/- 40	L
Silver	6010B	3	3	0.0%	+/- 2	L
Thallium	6010B	40 U	40 U	0.0%	+/- 40	L
Vanadium	6010B	69	65	6.0%	+/- 20%	
Zinc	6010B	3,800	3,620	4.9%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC26-11.1-12.1  
SAMPLE

Lab Sample ID: JH57B

LIMS ID: 06-7167

Matrix: Sediment

Data Release Authorized: 

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 73.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/15/06	7440-36-0	Antimony	6	6	U
3050B	05/05/06	6010B	05/15/06	7440-38-2	Arsenic	6	6	U
3050B	05/05/06	6010B	05/15/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	05/05/06	6010B	05/15/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>14.0</b>	
3050B	05/05/06	6010B	05/15/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>4.8</b>	
3050B	05/05/06	6010B	05/15/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>23.0</b>	
3050B	05/05/06	6010B	05/15/06	<b>7439-92-1</b>	<b>Lead</b>	3	<b>9</b>	
3050B	05/05/06	6010B	05/15/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.6	<b>1.2</b>	
3050B	05/05/06	6010B	05/15/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>12</b>	
3050B	05/05/06	6010B	05/15/06	7782-49-2	Selenium	6	6	U
3050B	05/05/06	6010B	05/15/06	7440-22-4	Silver	0.4	0.4	U
3050B	05/05/06	6010B	05/15/06	7440-28-0	Thallium	6	6	U
3050B	05/05/06	6010B	05/15/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>47.7</b>	
3050B	05/05/06	6010B	05/15/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>43.1</b>	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC27-0-2

SAMPLE

Lab Sample ID: JB46Y

LIMS ID: 06-2940

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/02/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Percent Total Solids: 52.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	9	19	
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.4	1.5	
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	0.9	56.9	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	9.6	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.4	85.2	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	4	108	
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.08	0.52	
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	0.9	2.5	
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	2	27	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.5	1.9	
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	9	9	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	73.4	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	1	190	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC27-2-4.5

SAMPLE

Lab Sample ID: JB46Z

LIMS ID: 06-2941

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Percent Total Solids: 59.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	8	8	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	8	17	
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.9	
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	0.8	35.3	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	8.1	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.3	46.7	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	3	43	
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.41	
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	0.8	1.9	
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	2	19	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	8	8	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.5	0.9	
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	8	8	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	67.5	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	0.9	103	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC28-0-1  
SAMPLE

Lab Sample ID: JC48A

LIMS ID: 06-3863

Matrix: Sediment

Data Release Authorized: *MW*

Reported: 03/16/06

QC Report No: JC48-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/25/06

Date Received: 02/27/06

Percent Total Solids: 52.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	9	26	
3050B	03/15/06	6010B	03/15/06	7440-38-2	Arsenic	9	119	
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.4	0.6	
3050B	03/15/06	6010B	03/15/06	7440-47-3	Chromium	0.9	37.6	
3050B	03/15/06	6010B	03/15/06	7440-48-4	Cobalt	0.5	14.1	
3050B	03/15/06	6010B	03/15/06	7440-50-8	Copper	0.4	209	
3050B	03/15/06	6010B	03/15/06	7439-92-1	Lead	4	113	
CLP	03/13/06	7471A	03/14/06	7439-97-6	Mercury	0.07	0.42	
3050B	03/15/06	6010B	03/15/06	7439-98-7	Molybdenum	0.9	11.8	
3050B	03/15/06	6010B	03/15/06	7440-02-0	Nickel	2	23	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	9	9	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	9	9	U
3050B	03/15/06	6010B	03/15/06	7440-62-2	Vanadium	0.5	68.9	
3050B	03/15/06	6010B	03/15/06	7440-66-6	Zinc	1	405	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC28-0-1  
DUPLICATE

Lab Sample ID: JC48A

LIMS ID: 06-3863

Matrix: Sediment

Data Release Authorized: 

Reported: 03/16/06

QC Report No: JC48-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/25/06

Date Received: 02/27/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	26	24	8.0%	+/- 9	L
Arsenic	6010B	119	108	9.7%	+/- 20%	
Cadmium	6010B	0.6	0.5	18.2%	+/- 0.4	L
Chromium	6010B	37.6	36.4	3.2%	+/- 20%	
Cobalt	6010B	14.1	13.3	5.8%	+/- 20%	
Copper	6010B	209	214	2.4%	+/- 20%	
Lead	6010B	113	114	0.9%	+/- 20%	
Mercury	7471A	0.42	0.32	27.0%	+/- 0.07	L*
Molybdenum	6010B	11.8	7.9	39.6%	+/- 20%	*
Nickel	6010B	23	22	4.4%	+/- 20%	
Selenium	6010B	9 U	9 U	0.0%	+/- 9	L
Silver	6010B	0.5 U	0.5 U	0.0%	+/- 0.5	L
Thallium	6010B	9 U	9 U	0.0%	+/- 9	L
Vanadium	6010B	68.9	66.1	4.1%	+/- 20%	
Zinc	6010B	405	404	0.2%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC28-1-2  
SAMPLE

Lab Sample ID: JC48B

LIMS ID: 06-3864

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/16/06

QC Report No: JC48-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/25/06

Date Received: 02/27/06

Percent Total Solids: 53.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	9	9	U
3050B	03/15/06	6010B	03/15/06	7440-38-2	Arsenic	9	18	
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.4	0.6	
3050B	03/15/06	6010B	03/15/06	7440-47-3	Chromium	0.9	32.4	
3050B	03/15/06	6010B	03/15/06	7440-48-4	Cobalt	0.5	9.4	
3050B	03/15/06	6010B	03/15/06	7440-50-8	Copper	0.4	173	
3050B	03/15/06	6010B	03/15/06	7439-92-1	Lead	4	40	
CLP	03/13/06	7471A	03/14/06	7439-97-6	Mercury	0.08	0.20	
3050B	03/15/06	6010B	03/15/06	7439-98-7	Molybdenum	0.9	1.0	
3050B	03/15/06	6010B	03/15/06	7440-02-0	Nickel	2	23	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	9	9	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	9	9	U
3050B	03/15/06	6010B	03/15/06	7440-62-2	Vanadium	0.5	68.9	
3050B	03/15/06	6010B	03/15/06	7440-66-6	Zinc	1	203	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC28-2-4  
SAMPLE

Lab Sample ID: JC48C

LIMS ID: 06-3865

Matrix: Sediment

Data Release Authorized 

Reported: 03/16/06

QC Report No: JC48-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/25/06

Date Received: 02/27/06

Percent Total Solids: 49.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	10	10	
3050B	03/15/06	6010B	03/15/06	7440-38-2	Arsenic	10	30	
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/15/06	6010B	03/15/06	7440-47-3	Chromium	1	33	
3050B	03/15/06	6010B	03/15/06	7440-48-4	Cobalt	0.6	11.4	
3050B	03/15/06	6010B	03/15/06	7440-50-8	Copper	0.4	197	
3050B	03/15/06	6010B	03/15/06	7439-92-1	Lead	4	65	
CLP	03/13/06	7471A	03/14/06	7439-97-6	Mercury	0.09	0.24	
3050B	03/15/06	6010B	03/15/06	7439-98-7	Molybdenum	1	2	
3050B	03/15/06	6010B	03/15/06	7440-02-0	Nickel	2	25	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	10	10	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	10	10	U
3050B	03/15/06	6010B	03/15/06	7440-62-2	Vanadium	0.6	71.1	
3050B	03/15/06	6010B	03/15/06	7440-66-6	Zinc	1	244	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**  
Page 1 of 1

Sample ID: LDW-SC28-5.5-7.5  
SAMPLE

Lab Sample ID: JH57E  
LIMS ID: 06-7246  
Matrix: Sediment  
Data Release Authorized: *MR*  
Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/25/06  
Date Received: 02/27/06

Percent Total Solids: 62.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/16/06	7440-36-0	Antimony	20	130	
3050B	05/05/06	6010B	05/16/06	7440-38-2	Arsenic	20	760	
3050B	05/05/06	6010B	05/16/06	7440-43-9	Cadmium	0.8	1.4	
3050B	05/05/06	6010B	05/16/06	7440-47-3	Chromium	2	65	
3050B	05/05/06	6010B	05/16/06	7440-48-4	Cobalt	1	50	
3050B	05/05/06	6010B	05/16/06	7440-50-8	Copper	0.8	1,480	
3050B	05/05/06	6010B	05/16/06	7439-92-1	Lead	8	583	
CLP	05/04/06	7471A	05/09/06	7439-97-6	Mercury	0.07	0.72	
3050B	05/05/06	6010B	05/16/06	7439-98-7	Molybdenum	2	61	
3050B	05/05/06	6010B	05/16/06	7440-02-0	Nickel	4	37	
3050B	05/05/06	6010B	05/16/06	7782-49-2	Selenium	20	20	U
3050B	05/05/06	6010B	05/16/06	7440-22-4	Silver	1	2	
3050B	05/05/06	6010B	05/16/06	7440-28-0	Thallium	20	20	U
3050B	05/05/06	6010B	05/16/06	7440-62-2	Vanadium	1	92	
3050B	05/05/06	6010B	05/16/06	7440-66-6	Zinc	2	1,880	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

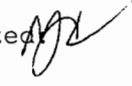
Sample ID: LDW-SC28-12-12.6

SAMPLE

Lab Sample ID: JO76N

LIMS ID: 06-11862

Matrix: Sediment

Data Release Authorized 

Reported: 07/14/06

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/25/06

Date Received: 02/27/06

Percent Total Solids: 64.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/11/06	6010B	07/13/06	7440-36-0	Antimony	7	7	U
3050B	07/11/06	6010B	07/13/06	7440-38-2	Arsenic	7	17	
3050B	07/11/06	6010B	07/13/06	7440-43-9	Cadmium	0.3	0.6	
3050B	07/11/06	6010B	07/13/06	7440-47-3	Chromium	0.7	28.0	
3050B	07/11/06	6010B	07/13/06	7440-48-4	Cobalt	0.4	7.6	
3050B	07/11/06	6010B	07/13/06	7440-50-8	Copper	0.3	68.5	
3050B	07/11/06	6010B	07/13/06	7439-92-1	Lead	3	37	
CLP	07/10/06	7471A	07/11/06	7439-97-6	Mercury	0.06	0.30	
3050B	07/11/06	6010B	07/13/06	7439-98-7	Molybdenum	0.7	9.9	
3050B	07/11/06	6010B	07/13/06	7440-02-0	Nickel	1	17	
3050B	07/11/06	6010B	07/13/06	7782-49-2	Selenium	7	7	U
3050B	07/11/06	6010B	07/13/06	7440-22-4	Silver	0.4	0.5	
3050B	07/11/06	6010B	07/13/06	7440-28-0	Thallium	7	7	U
3050B	07/11/06	6010B	07/13/06	7440-62-2	Vanadium	0.4	59.2	
3050B	07/11/06	6010B	07/13/06	7440-66-6	Zinc	0.9	97.5	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC29-0-1  
SAMPLE

Lab Sample ID: JC95G

LIMS ID: 06-4146

Matrix: Sediment

Data Release Authorized: 

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 68.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	7	7	U
3050B	03/17/06	6010B	03/20/06	<b>7440-38-2</b>	<b>Arsenic</b>	7	14	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/17/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.7	20.8	
3050B	03/17/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	7.0	
3050B	03/17/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	51.1	
3050B	03/17/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	3	18	
CLP	03/17/06	7471A	03/17/06	<b>7439-97-6</b>	<b>Mercury</b>	0.06	0.12	
3050B	03/17/06	6010B	03/20/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.7	1.2	
3050B	03/17/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	1	15	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	7	7	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	7	7	U
3050B	03/17/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	56.5	
3050B	03/17/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	77.9	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC29-1-2  
SAMPLE

Lab Sample ID: JC95H

LIMS ID: 06-4147

Matrix: Sediment

Data Release Authorized *JH*

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 77.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	6	6	U
3050B	03/17/06	6010B	03/20/06	<b>7440-38-2</b>	<b>Arsenic</b>	6	11	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/17/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	14.5	
3050B	03/17/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	6.6	
3050B	03/17/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	20.5	
3050B	03/17/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	2	6	
CLP	03/17/06	7471A	03/17/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/17/06	6010B	03/20/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.6	1.7	
3050B	03/17/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	1	12	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	6	6	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	6	6	U
3050B	03/17/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	52.7	
3050B	03/17/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	38.4	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC29-2-3.6  
SAMPLE

Lab Sample ID: JC95I  
LIMS ID: 06-4148  
Matrix: Sediment  
Data Release Authorized: *MR*  
Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/21/06  
Date Received: 02/21/06

Percent Total Solids: 78.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	6	6	U
3050B	03/17/06	6010B	03/20/06	7440-38-2	Arsenic	6	6	U
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/17/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>10.6</b>	
3050B	03/17/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>5.5</b>	
3050B	03/17/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	<b>11.3</b>	
3050B	03/17/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	2	<b>4</b>	
CLP	03/17/06	7471A	03/17/06	7439-97-6	Mercury	0.06	0.06	U
3050B	03/17/06	6010B	03/20/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/17/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>9</b>	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	6	6	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	6	6	U
3050B	03/17/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>44.6</b>	
3050B	03/17/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	<b>31.2</b>	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC30-0-2.5

SAMPLE

Lab Sample ID: JB47J

LIMS ID: 06-2957

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB47-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Percent Total Solids: 76.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	6	6	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	6	6	U
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	0.6	11.4	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.4	4.3	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.2	11.1	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	2	3	
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.06	U
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	1	7	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	6	6	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	6	6	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.4	45.6	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	0.7	27.3	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC30-2.5-4

SAMPLE

Lab Sample ID: JB47K

LIMS ID: 06-2958

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB47-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Percent Total Solids: 75.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	03/01/06	7440-36-0	Antimony	7	7	U
3050B	02/24/06	6010B	03/01/06	7440-38-2	Arsenic	7	7	U
3050B	02/24/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/24/06	6010B	03/01/06	7440-47-3	Chromium	0.7	10.6	
3050B	02/24/06	6010B	03/01/06	7440-48-4	Cobalt	0.4	3.9	
3050B	02/24/06	6010B	03/01/06	7440-50-8	Copper	0.3	16.4	
3050B	02/24/06	6010B	03/01/06	7439-92-1	Lead	3	3	U
CLP	02/24/06	7471A	02/24/06	7439-97-6	Mercury	0.06	0.06	U
3050B	02/24/06	6010B	03/01/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	02/24/06	6010B	03/01/06	7440-02-0	Nickel	1	6	
3050B	02/24/06	6010B	03/01/06	7782-49-2	Selenium	7	7	U
3050B	02/24/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/24/06	6010B	03/01/06	7440-28-0	Thallium	7	7	U
3050B	02/24/06	6010B	03/01/06	7440-62-2	Vanadium	0.4	43.0	
3050B	02/24/06	6010B	03/01/06	7440-66-6	Zinc	0.8	20.5	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC31-0-1  
SAMPLE

Lab Sample ID: JB98M

LIMS ID: 06-3377

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 46.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	10	20	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.4	0.5	
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	1	35	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.6	9.7	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.4	88.4	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	4	49	
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.07	0.33	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	1	1	U
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	2	22	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.6	75.2	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	1	139	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC31-1-2.8

SAMPLE

Lab Sample ID: JB98N

LIMS ID: 06-3378

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 50.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	9	17	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.4	0.5	
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	0.9	31.1	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.6	9.2	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.4	72.9	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	4	43	
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.07	0.22	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.9	1.0	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	2	21	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.6	68.0	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	1	131	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC31-2.8-4

SAMPLE

Lab Sample ID: JB980

LIMS ID: 06-3379

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Percent Total Solids: 77.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/06/06	6010B	03/07/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>8.6</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>3.4</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>8.5</b>	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	3	3	U
CLP	03/02/06	7471A	03/09/06	7439-97-6	Mercury	0.04	0.04	U
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/06/06	6010B	03/07/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>5</b>	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	6	6	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	6	6	U
3050B	03/06/06	6010B	03/07/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>35.4</b>	
3050B	03/06/06	6010B	03/07/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>17.4</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC31-2.8-4

DUPLICATE

Lab Sample ID: JB980

LIMS ID: 06-3379

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	6 U	6 U	0.0%	+/- 6	L
Arsenic	6010B	6 U	6 U	0.0%	+/- 6	L
Cadmium	6010B	0.3 U	0.3 U	0.0%	+/- 0.3	L
Chromium	6010B	8.6	9.2	6.7%	+/- 20%	
Cobalt	6010B	3.4	3.8	11.1%	+/- 20%	
Copper	6010B	8.5	10.1	17.2%	+/- 20%	
Lead	6010B	3 U	3 U	0.0%	+/- 3	L
Mercury	7471A	0.04 U	0.04 U	0.0%	+/- 0.04	L
Molybdenum	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Nickel	6010B	5	6	18.2%	+/- 1	L
Selenium	6010B	6 U	6 U	0.0%	+/- 6	L
Silver	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Thallium	6010B	6 U	6 U	0.0%	+/- 6	L
Vanadium	6010B	35.4	36.8	3.9%	+/- 20%	
Zinc	6010B	17.4	19.5	11.4%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC32-0-1  
SAMPLE

Lab Sample ID: JB31A

LIMS ID: 06-2825

Matrix: Sediment

Data Release Authorized: 

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/13/06

Percent Total Solids: 55.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/06/06	7440-36-0	Antimony	8	8	U
3050B	03/06/06	6010B	03/06/06	7440-38-2	Arsenic	8	20	
3050B	03/06/06	6010B	03/06/06	7440-43-9	Cadmium	0.3	0.6	
3050B	03/06/06	6010B	03/06/06	7440-47-3	Chromium	0.8	33.7	
3050B	03/06/06	6010B	03/06/06	7440-48-4	Cobalt	0.5	8.4	
3050B	03/06/06	6010B	03/06/06	7440-50-8	Copper	0.3	57.0	
3050B	03/06/06	6010B	03/06/06	7439-92-1	Lead	3	57	
CLP	02/22/06	7471A	02/24/06	7439-97-6	Mercury	0.08	0.19	
3050B	03/06/06	6010B	03/06/06	7439-98-7	Molybdenum	0.8	1.0	
3050B	03/06/06	6010B	03/06/06	7440-02-0	Nickel	2	23	
3050B	03/06/06	6010B	03/06/06	7782-49-2	Selenium	8	8	U
3050B	03/06/06	6010B	03/06/06	7440-22-4	Silver	0.5	0.5	
3050B	03/06/06	6010B	03/06/06	7440-28-0	Thallium	8	8	U
3050B	03/06/06	6010B	03/06/06	7440-62-2	Vanadium	0.5	67.3	
3050B	03/06/06	6010B	03/06/06	7440-66-6	Zinc	1	138	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

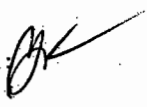
Sample ID: LDW-SC32-0-1

DUPLICATE

Lab Sample ID: JB31A

LIMS ID: 06-2825

Matrix: Sediment

Data Release Authorized: 

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/13/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	8 U	8 U	0.0%	+/- 8	L
Arsenic	6010B	20	21	4.9%	+/- 8	L
Cadmium	6010B	0.6	0.6	0.0%	+/- 0.3	L
Chromium	6010B	33.7	33.3	1.2%	+/- 20%	
Cobalt	6010B	8.4	8.3	1.2%	+/- 20%	
Copper	6010B	57.0	59.4	4.1%	+/- 20%	
Lead	6010B	57	61	6.8%	+/- 20%	
Mercury	7471A	0.19	0.21	10.0%	+/- 0.08	L
Molybdenum	6010B	1.0	1.1	9.5%	+/- 0.8	L
Nickel	6010B	23	21	9.1%	+/- 20%	
Selenium	6010B	8 U	8 U	0.0%	+/- 8	L
Silver	6010B	0.5	0.5	0.0%	+/- 0.5	L
Thallium	6010B	8 U	8 U	0.0%	+/- 8	L
Vanadium	6010B	67.3	68.6	1.9%	+/- 20%	
Zinc	6010B	138	133	3.7%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC32-1-2

SAMPLE

Lab Sample ID: JB31B

LIMS ID: 06-2826

Matrix: Sediment

Data Release Authorized: 

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/13/06

Percent Total Solids: 37.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	02/28/06	7440-36-0	Antimony	10	10	U
3050B	02/24/06	6010B	02/28/06	<del>7440-38-2</del>	Arsenic	10	40	
3050B	02/24/06	6010B	02/28/06	<del>7440-43-9</del>	Cadmium	0.5	1.7	
3050B	02/24/06	6010B	02/28/06	<del>7440-47-3</del>	Chromium	1	46	
3050B	02/24/06	6010B	02/28/06	<del>7440-48-4</del>	Cobalt	0.8	9.6	
3050B	02/24/06	6010B	02/28/06	<del>7440-50-8</del>	Copper	0.5	90.2	
3050B	02/24/06	6010B	02/28/06	<del>7439-92-1</del>	Lead	5	87	
CLP	02/22/06	7471A	02/24/06	<del>7439-97-6</del>	Mercury	0.1	0.3	
3050B	02/24/06	6010B	02/28/06	7439-98-7	Molybdenum	1	1	U
3050B	02/24/06	6010B	02/28/06	<del>7440-02-0</del>	Nickel	3	30	
3050B	02/24/06	6010B	02/28/06	7782-49-2	Selenium	10	10	U
3050B	02/24/06	6010B	02/28/06	<del>7440-22-4</del>	Silver	0.8	1.1	
3050B	02/24/06	6010B	02/28/06	7440-28-0	Thallium	10	10	U
3050B	02/24/06	6010B	02/28/06	<del>7440-62-2</del>	Vanadium	0.8	76.7	
3050B	02/24/06	6010B	02/28/06	<del>7440-66-6</del>	Zinc	2	287	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC32-2-4  
SAMPLE

Lab Sample ID: JB31C

LIMS ID: 06-2827

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/07/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/13/06

Percent Total Solids: 46.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/24/06	6010B	02/28/06	7440-36-0	Antimony	10	10	U
3050B	02/24/06	6010B	02/28/06	7440-38-2	Arsenic	10	30	
3050B	02/24/06	6010B	02/28/06	7440-43-9	Cadmium	0.4	1.0	
3050B	02/24/06	6010B	02/28/06	7440-47-3	Chromium	1	37	
3050B	02/24/06	6010B	02/28/06	7440-48-4	Cobalt	0.6	7.9	
3050B	02/24/06	6010B	02/28/06	7440-50-8	Copper	0.4	60.0	
3050B	02/24/06	6010B	02/28/06	7439-92-1	Lead	4	51	
CLP	02/22/06	7471A	02/24/06	7439-97-6	Mercury	0.08	0.22	
3050B	02/24/06	6010B	02/28/06	7439-98-7	Molybdenum	1	1	U
3050B	02/24/06	6010B	02/28/06	7440-02-0	Nickel	2	23	
3050B	02/24/06	6010B	02/28/06	7782-49-2	Selenium	10	10	U
3050B	02/24/06	6010B	02/28/06	7440-22-4	Silver	0.6	1.0	
3050B	02/24/06	6010B	02/28/06	7440-28-0	Thallium	10	10	U
3050B	02/24/06	6010B	02/28/06	7440-62-2	Vanadium	0.6	71.5	
3050B	02/24/06	6010B	02/28/06	7440-66-6	Zinc	1	160	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC33-0-2

SAMPLE

Lab Sample ID: JB22A

LIMS ID: 06-2641

Matrix: Sediment

Data Release Authorized: *MK*

Reported: 02/27/06

QC Report No: JB22-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 55.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/16/06	6010B	02/22/06	7440-36-0	Antimony	9	13	
3050B	02/16/06	6010B	02/22/06	7440-38-2	Arsenic	9	56	
3050B	02/16/06	6010B	02/22/06	7440-43-9	Cadmium	0.4	1.2	
3050B	02/16/06	6010B	02/22/06	7440-47-3	Chromium	0.9	49.9	
3050B	02/16/06	6010B	02/22/06	7440-48-4	Cobalt	0.5	12.2	
3050B	02/16/06	6010B	02/22/06	7440-50-8	Copper	0.4	190	
3050B	02/16/06	6010B	02/22/06	7439-92-1	Lead	4	108	
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.06	0.39	
3050B	02/16/06	6010B	02/22/06	7439-98-7	Molybdenum	0.9	9.1	
3050B	02/16/06	6010B	02/22/06	7440-02-0	Nickel	2	32	
3050B	02/16/06	6010B	02/22/06	7782-49-2	Selenium	9	9	U
3050B	02/16/06	6010B	02/22/06	7440-22-4	Silver	0.5	2.6	
3050B	02/16/06	6010B	02/22/06	7440-28-0	Thallium	9	9	U
3050B	02/16/06	6010B	02/22/06	7440-62-2	Vanadium	0.5	71.6	
3050B	02/16/06	6010B	02/22/06	7440-66-6	Zinc	1	236	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC33-0-0.5  
SAMPLE

Lab Sample ID: JL31N

LIMS ID: 06-9367

Matrix: Sediment

Data Release Authorized 

Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 58.0%


Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	06/13/06	6010B	06/16/06	7439-92-1	Lead	3	82	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**  
**TOTAL METALS**  
Page 1 of 1

Sample ID: LDW-SC33-0-0.5  
DUPLICATE

Lab Sample ID: JL31N  
LIMS ID: 06-9367  
Matrix: Sediment  
Data Release Authorized:   
Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/11/06  
Date Received: 02/11/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Lead	6010B	82	61	29.4%	+/- 20%	*

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC33-0.5-1  
SAMPLE

Lab Sample ID: JL310

LIMS ID: 06-9368

Matrix: Sediment

Data Release Authorized: 

Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 53.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	06/13/06	6010B	06/16/06	7439-92-1	Lead	3	177	

U-Analyte undetected at given RL

RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

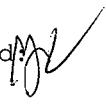
Page 1 of 1

Sample ID: LDW-SC33-1-1.5  
SAMPLE

Lab Sample ID: JL31P

LIMS ID: 06-9369

Matrix: Sediment

Data Release Authorized: 

Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 53.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	06/13/06	6010B	06/16/06	7439-92-1	Lead	9	117	

U-Analyte undetected at given RL

RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

Sample ID: LDW-SC33-1.5-2  
SAMPLE

Lab Sample ID: JL31Q

LIMS ID: 06-9370

Matrix: Sediment

Data Release Authorized 

Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 54.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	06/13/06	6010B	06/16/06	7439-92-1	Lead	4	84	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC33-2-4  
SAMPLE

Lab Sample ID: JB22B

LIMS ID: 06-2642

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/27/06

QC Report No: JB22-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 61.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/16/06	6010B	02/22/06	7440-36-0	Antimony	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-38-2	Arsenic	8	13	
3050B	02/16/06	6010B	02/22/06	7440-43-9	Cadmium	0.3	0.8	
3050B	02/16/06	6010B	02/22/06	7440-47-3	Chromium	0.8	37.7	
3050B	02/16/06	6010B	02/22/06	7440-48-4	Cobalt	0.5	9.3	
3050B	02/16/06	6010B	02/22/06	7440-50-8	Copper	0.3	51.0	
3050B	02/16/06	6010B	02/22/06	7439-92-1	Lead	3	33	
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.07	0.30	
3050B	02/16/06	6010B	02/22/06	7439-98-7	Molybdenum	0.8	1.2	
3050B	02/16/06	6010B	02/22/06	7440-02-0	Nickel	2	19	
3050B	02/16/06	6010B	02/22/06	7782-49-2	Selenium	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-22-4	Silver	0.5	2.2	
3050B	02/16/06	6010B	02/22/06	7440-28-0	Thallium	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-62-2	Vanadium	0.5	69.5	
3050B	02/16/06	6010B	02/22/06	7440-66-6	Zinc	1	94	

U-Analyte undetected at given RL

RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1


Sample ID: LDW-SC33-2-2.5

SAMPLE

Lab Sample ID: JL31R

LIMS ID: 06-9371

Matrix: Sediment

Data Release Authorized: 

Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 58.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	06/13/06	6010B	06/16/06	7439-92-1	Lead	3	21	

U-Analyte undetected at given RL  
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1


Sample ID: LDW-SC33-2.5-3

SAMPLE

Lab Sample ID: JL31S

LIMS ID: 06-9372

Matrix: Sediment

Data Release Authorized: 

Reported: 06/20/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 55.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	06/13/06	6010B	06/16/06	7439-92-1	Lead	4	45	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC33-4-6  
SAMPLE

Lab Sample ID: JH57H

LIMS ID: 06-7249

Matrix: Sediment

Data Release Authorized: 

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 56.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/15/06	7440-36-0	Antimony	8	8	U
3050B	05/05/06	6010B	05/15/06	<b>7440-38-2</b>	<b>Arsenic</b>	8	14	
3050B	05/05/06	6010B	05/15/06	<b>7440-43-9</b>	<b>Cadmium</b>	0.3	0.7	
3050B	05/05/06	6010B	05/15/06	<b>7440-47-3</b>	<b>Chromium</b>	0.8	38.0	
3050B	05/05/06	6010B	05/15/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.5	8.9	
3050B	05/05/06	6010B	05/15/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	51.8	
3050B	05/05/06	6010B	05/15/06	<b>7439-92-1</b>	<b>Lead</b>	3	33	
3050B	05/05/06	6010B	05/15/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.8	1.0	
3050B	05/05/06	6010B	05/15/06	<b>7440-02-0</b>	<b>Nickel</b>	2	23	
3050B	05/05/06	6010B	05/15/06	7782-49-2	Selenium	8	8	U
3050B	05/05/06	6010B	05/15/06	<b>7440-22-4</b>	<b>Silver</b>	0.5	1.4	
3050B	05/05/06	6010B	05/15/06	7440-28-0	Thallium	8	8	U
3050B	05/05/06	6010B	05/15/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.5	71.0	
3050B	05/05/06	6010B	05/15/06	<b>7440-66-6</b>	<b>Zinc</b>	1	121	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC201-0-1.5

SAMPLE

Lab Sample ID: JB22S

LIMS ID: 06-2659

Matrix: Sediment

Data Release Authorized: *MR*

Reported: 02/27/06

QC Report No: JB22-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 57.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/16/06	6010B	02/22/06	7440-36-0	Antimony	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-38-2	Arsenic	8	19	
3050B	02/16/06	6010B	02/22/06	7440-43-9	Cadmium	0.3	0.7	
3050B	02/16/06	6010B	02/22/06	7440-47-3	Chromium	0.8	37.9	
3050B	02/16/06	6010B	02/22/06	7440-48-4	Cobalt	0.5	9.6	
3050B	02/16/06	6010B	02/22/06	7440-50-8	Copper	0.3	88.0	
3050B	02/16/06	6010B	02/22/06	7439-92-1	Lead	3	772	
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.08	0.28	
3050B	02/16/06	6010B	02/22/06	7439-98-7	Molybdenum	0.8	2.0	
3050B	02/16/06	6010B	02/22/06	7440-02-0	Nickel	2	24	
3050B	02/16/06	6010B	02/22/06	7782-49-2	Selenium	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-22-4	Silver	0.5	1.1	
3050B	02/16/06	6010B	02/22/06	7440-28-0	Thallium	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-62-2	Vanadium	0.5	72.6	
3050B	02/16/06	6010B	02/22/06	7440-66-6	Zinc	1	143	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC201-1.5-4

SAMPLE

Lab Sample ID: JB22T

LIMS ID: 06-2660

Matrix: Sediment

Data Release Authorized: *OK*

Reported: 02/27/06

QC Report No: JB22-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Percent Total Solids: 59.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/16/06	6010B	02/22/06	7440-36-0	Antimony	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-38-2	Arsenic	8	13	
3050B	02/16/06	6010B	02/22/06	7440-43-9	Cadmium	0.3	0.8	
3050B	02/16/06	6010B	02/22/06	7440-47-3	Chromium	0.8	34.1	
3050B	02/16/06	6010B	02/22/06	7440-48-4	Cobalt	0.5	9.0	
3050B	02/16/06	6010B	02/22/06	7440-50-8	Copper	0.3	48.4	
3050B	02/16/06	6010B	02/22/06	7439-92-1	Lead	3	42	
CLP	02/16/06	7471A	02/17/06	7439-97-6	Mercury	0.06	0.30	
3050B	02/16/06	6010B	02/22/06	7439-98-7	Molybdenum	0.8	1.2	
3050B	02/16/06	6010B	02/22/06	7440-02-0	Nickel	2	18	
3050B	02/16/06	6010B	02/22/06	7782-49-2	Selenium	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-22-4	Silver	0.5	1.7	
3050B	02/16/06	6010B	02/22/06	7440-28-0	Thallium	8	8	U
3050B	02/16/06	6010B	02/22/06	7440-62-2	Vanadium	0.5	70.3	
3050B	02/16/06	6010B	02/22/06	7440-66-6	Zinc	1	98	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

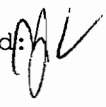
Page 1 of 1

Sample ID: LDW-SC34-0-1  
SAMPLE

Lab Sample ID: JB96A

LIMS ID: 06-3342

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 50.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/08/06	7440-36-0	Antimony	10	10	U
3050B	03/06/06	6010B	03/08/06	<b>7440-38-2</b>	<b>Arsenic</b>	10	20	
3050B	03/06/06	6010B	03/08/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/06/06	6010B	03/08/06	<b>7440-47-3</b>	<b>Chromium</b>	1	35	
3050B	03/06/06	6010B	03/08/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.6	10.5	
3050B	03/06/06	6010B	03/08/06	<b>7440-50-8</b>	<b>Copper</b>	0.4	79.9	
3050B	03/06/06	6010B	03/08/06	<b>7439-92-1</b>	<b>Lead</b>	4	55	
CLP	03/03/06	7471A	03/09/06	<b>7439-97-6</b>	<b>Mercury</b>	0.07	0.28	
3050B	03/06/06	6010B	03/08/06	<b>7439-98-7</b>	<b>Molybdenum</b>	1	1	
3050B	03/06/06	6010B	03/08/06	<b>7440-02-0</b>	<b>Nickel</b>	2	27	
3050B	03/06/06	6010B	03/08/06	7782-49-2	Selenium	10	10	U
3050B	03/06/06	6010B	03/08/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/06/06	6010B	03/08/06	7440-28-0	Thallium	10	10	U
3050B	03/06/06	6010B	03/08/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.6	69.4	
3050B	03/06/06	6010B	03/08/06	<b>7440-66-6</b>	<b>Zinc</b>	1	188	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC34-0-1

DUPLICATE

Lab Sample ID: JB96A

LIMS ID: 06-3342

Matrix: Sediment

Data Release Authorized *OK*

Reported: 03/13/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	10 U	10 U	0.0%	+/- 10	L
Arsenic	6010B	20	20	0.0%	+/- 10	L
Cadmium	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Chromium	6010B	35	33	5.9%	+/- 20%	
Cobalt	6010B	10.5	8.6	19.9%	+/- 20%	
Copper	6010B	79.9	76.8	4.0%	+/- 20%	
Lead	6010B	55	64	15.1%	+/- 20%	
Mercury	7471A	0.28	0.23	19.6%	+/- 0.07	L
Molybdenum	6010B	1	1	0.0%	+/- 1	L
Nickel	6010B	27	25	7.7%	+/- 20%	
Selenium	6010B	10 U	10 U	0.0%	+/- 10	L
Silver	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Thallium	6010B	10 U	10 U	0.0%	+/- 10	L
Vanadium	6010B	69.4	65.5	5.8%	+/- 20%	
Zinc	6010B	188	188	0.0%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC34-1-2  
SAMPLE

Lab Sample ID: JB96B

LIMS ID: 06-3343

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 50.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	10	10	U
3050B	03/06/06	6010B	03/07/06	<b>7440-38-2</b>	<b>Arsenic</b>	10	20	
3050B	03/06/06	6010B	03/07/06	<b>7440-43-9</b>	<b>Cadmium</b>	0.4	0.9	
3050B	03/06/06	6010B	03/07/06	<b>7440-47-3</b>	<b>Chromium</b>	1	50	
3050B	03/06/06	6010B	03/07/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.6	8.9	
3050B	03/06/06	6010B	03/07/06	<b>7440-50-8</b>	<b>Copper</b>	0.4	91.4	
3050B	03/06/06	6010B	03/07/06	<b>7439-92-1</b>	<b>Lead</b>	4	87	
CLP	03/03/06	7471A	03/09/06	<b>7439-97-6</b>	<b>Mercury</b>	0.07	0.25	
3050B	03/06/06	6010B	03/07/06	<b>7439-98-7</b>	<b>Molybdenum</b>	1	4	
3050B	03/06/06	6010B	03/07/06	<b>7440-02-0</b>	<b>Nickel</b>	2	29	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	10	10	U
3050B	03/06/06	6010B	03/07/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.6	65.7	
3050B	03/06/06	6010B	03/07/06	<b>7440-66-6</b>	<b>Zinc</b>	1	253	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC34-2-4

SAMPLE

Lab Sample ID: JB96C

LIMS ID: 06-3344

Matrix: Sediment

Data Release Authorized 

Reported: 03/13/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 59.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/08/06	7440-36-0	Antimony	8	8	U
3050B	03/06/06	6010B	03/08/06	<b>7440-38-2</b>	<b>Arsenic</b>	8	15	
3050B	03/06/06	6010B	03/08/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/06/06	6010B	03/08/06	<b>7440-47-3</b>	<b>Chromium</b>	0.8	30.9	
3050B	03/06/06	6010B	03/08/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.5	8.6	
3050B	03/06/06	6010B	03/08/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	51.3	
3050B	03/06/06	6010B	03/08/06	<b>7439-92-1</b>	<b>Lead</b>	3	78	
CLP	03/03/06	7471A	03/09/06	<b>7439-97-6</b>	<b>Mercury</b>	0.06	0.12	
3050B	03/06/06	6010B	03/08/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.8	1.3	
3050B	03/06/06	6010B	03/08/06	<b>7440-02-0</b>	<b>Nickel</b>	2	33	
3050B	03/06/06	6010B	03/08/06	7782-49-2	Selenium	8	8	U
3050B	03/06/06	6010B	03/08/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/06/06	6010B	03/08/06	7440-28-0	Thallium	8	8	U
3050B	03/06/06	6010B	03/08/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.5	60.4	
3050B	03/06/06	6010B	03/08/06	<b>7440-66-6</b>	<b>Zinc</b>	0.9	136	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC203-0-1  
SAMPLE

Lab Sample ID: JB96G

LIMS ID: 06-3348

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 50.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	9	20	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.4	0.6	
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	0.9	39.5	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.6	8.9	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.4	102	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	4	78	
CLP	03/03/06	7471A	03/09/06	7439-97-6	Mercury	0.08	0.23	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.9	2.8	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	2	29	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.6	67.1	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	1	204	

U-Analyte undetected at given RL  
RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC203-1-2  
SAMPLE

Lab Sample ID: JB96H

LIMS ID: 06-3349

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 45.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	10	20	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.4	0.7	
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	1	41	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.7	9.8	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.4	88.1	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	4	68	
CLP	03/03/06	7471A	03/09/06	7439-97-6	Mercury	0.1	0.2	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	1	3	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	2	28	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.7	0.7	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	10	10	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.7	73.1	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	1	225	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC203-2-4

SAMPLE

Lab Sample ID: JB96I

LIMS ID: 06-3350

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Percent Total Solids: 53.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/06/06	6010B	03/07/06	7440-36-0	Antimony	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-38-2	Arsenic	9	15	
3050B	03/06/06	6010B	03/07/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/06/06	6010B	03/07/06	7440-47-3	Chromium	0.9	32.0	
3050B	03/06/06	6010B	03/07/06	7440-48-4	Cobalt	0.5	8.9	
3050B	03/06/06	6010B	03/07/06	7440-50-8	Copper	0.4	66.9	
3050B	03/06/06	6010B	03/07/06	7439-92-1	Lead	4	58	
CLP	03/03/06	7471A	03/09/06	7439-97-6	Mercury	0.07	0.17	
3050B	03/06/06	6010B	03/07/06	7439-98-7	Molybdenum	0.9	1.3	
3050B	03/06/06	6010B	03/07/06	7440-02-0	Nickel	2	27	
3050B	03/06/06	6010B	03/07/06	7782-49-2	Selenium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/06/06	6010B	03/07/06	7440-28-0	Thallium	9	9	U
3050B	03/06/06	6010B	03/07/06	7440-62-2	Vanadium	0.5	61.8	
3050B	03/06/06	6010B	03/07/06	7440-66-6	Zinc	1	137	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC35-0-2  
SAMPLE

Lab Sample ID: JB64L

LIMS ID: 06-3082

Matrix: Sediment

Data Release Authorized *BR*

Reported: 03/02/06

QC Report No: JB64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/15/06

Date Received: 02/15/06

Percent Total Solids: 53.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	9	9	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	9	18	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	0.9	36.1	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	8.9	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.3	61.2	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	3	42	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.08	0.17	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.9	1.0	
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	2	23	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	9	9	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	9	9	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	71.3	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	1	120	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC35-2-4  
SAMPLE

Lab Sample ID: JB64M

LIMS ID: 06-3083

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/15/06

Date Received: 02/15/06

Percent Total Solids: 57.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	8	16	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.5	
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	0.8	34.2	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	9.7	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.3	63.6	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	3	73	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.06	0.20	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.8	1.2	
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	2	26	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	66.1	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	1	211	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC36-0-1  
SAMPLE

Lab Sample ID: JB82A

LIMS ID: 06-3250

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 59.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	8	12	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	0.8	23.5	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	7.3	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.3	44.4	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	3	29	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.06	0.23	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.8	0.8	U
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	2	18	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	61.5	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	0.9	77.8	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SC36-0-1

DUPLICATE

Lab Sample ID: JB82A

LIMS ID: 06-3250

Matrix: Sediment

Data Release Authorized *BK*

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	8 U	8 U	0.0%	+/- 8	L
Arsenic	6010B	12	12	0.0%	+/- 8	L
Cadmium	6010B	0.3	0.3 U	0.0%	+/- 0.3	L
Chromium	6010B	23.5	25.3	7.4%	+/- 20%	
Cobalt	6010B	7.3	7.8	6.6%	+/- 20%	
Copper	6010B	44.4	47.1	5.9%	+/- 20%	
Lead	6010B	29	23	23.1%	+/- 20%	*
Mercury	7471A	0.23	0.32	32.7%	+/- 0.06	L*
Molybdenum	6010B	0.8 U	0.9	11.8%	+/- 0.8	L
Nickel	6010B	18	19	5.4%	+/- 20%	
Selenium	6010B	8 U	8 U	0.0%	+/- 8	L
Silver	6010B	0.5 U	0.5 U	0.0%	+/- 0.5	L
Thallium	6010B	8 U	8 U	0.0%	+/- 8	L
Vanadium	6010B	61.5	64.9	5.4%	+/- 20%	
Zinc	6010B	77.8	84.6	8.4%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC36-1-2

SAMPLE

Lab Sample ID: JB82B

LIMS ID: 06-3251

Matrix: Sediment

Data Release Authorized 

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 62.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	7	7	U
3050B	03/01/06	6010B	03/01/06	<del>7440-38-2</del>	<del>Arsenic</del>	7	11	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/01/06	<del>7440-47-3</del>	<del>Chromium</del>	0.7	25.2	
3050B	03/01/06	6010B	03/01/06	<del>7440-48-4</del>	<del>Cobalt</del>	0.4	7.8	
3050B	03/01/06	6010B	03/01/06	<del>7440-50-8</del>	<del>Copper</del>	0.3	36.9	
3050B	03/01/06	6010B	03/01/06	<del>7439-92-1</del>	<del>Lead</del>	3	16	
CLP	02/27/06	7471A	02/28/06	<del>7439-97-6</del>	<del>Mercury</del>	0.07	0.33	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/01/06	6010B	03/01/06	<del>7440-02-0</del>	<del>Nickel</del>	1	22	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	7	7	U
3050B	03/01/06	6010B	03/01/06	<del>7440-62-2</del>	<del>Vanadium</del>	0.4	63.4	
3050B	03/01/06	6010B	03/01/06	<del>7440-66-6</del>	<del>Zinc</del>	0.9	67.1	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC36-2-4

SAMPLE

Lab Sample ID: JB82C

QC Report No: JB82-Windward Environmental, LLC

LIMS ID: 06-3252

Project: LDW RI-Subsurface Sediment Chem

Matrix: Sediment

05-08-06-32

Data Release Authorized: *BR*

Date Sampled: 02/16/06

Reported: 03/02/06

Date Received: 02/16/06

Percent Total Solids: 65.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	7	10	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	0.7	17.3	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.4	6.2	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.3	24.5	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	3	7	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.06	0.13	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	1	13	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.4	56.5	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	0.9	40.6	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC202-0-1

SAMPLE

Lab Sample ID: JB82G

LIMS ID: 06-3256

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 55.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	8	8	U
3050B	03/01/06	6010B	03/01/06	<del>7440-38-2</del>	<del>Arsenic</del>	8	13	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/01/06	<del>7440-47-3</del>	<del>Chromium</del>	0.8	24.8	
3050B	03/01/06	6010B	03/01/06	<del>7440-48-4</del>	<del>Cobalt</del>	0.5	8.1	
3050B	03/01/06	6010B	03/01/06	<del>7440-50-8</del>	<del>Copper</del>	0.3	56.3	
3050B	03/01/06	6010B	03/01/06	<del>7439-92-1</del>	<del>Lead</del>	3	19	
CLP	02/27/06	7471A	02/28/06	<del>7439-97-6</del>	<del>Mercury</del>	0.09	0.14	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.8	0.8	U
3050B	03/01/06	6010B	03/01/06	<del>7440-02-0</del>	<del>Nickel</del>	2	21	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	8	8	U
3050B	03/01/06	6010B	03/01/06	<del>7440-62-2</del>	<del>Vanadium</del>	0.5	65.2	
3050B	03/01/06	6010B	03/01/06	<del>7440-66-6</del>	<del>Zinc</del>	1	74	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC202-1-2

SAMPLE

Lab Sample ID: JB82H

LIMS ID: 06-3257

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 62.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	8	12	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	0.8	23.3	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.5	8.0	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.3	37.6	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	3	16	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.06	0.21	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.8	0.8	U
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	2	18	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	8	8	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.5	64.0	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	0.9	65.2	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC202-2-4

**SAMPLE**

Lab Sample ID: JB82I

LIMS ID: 06-3258

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 66.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	7	7	U
3050B	03/01/06	6010B	03/01/06	<b>7440-38-2</b>	<b>Arsenic</b>	7	9	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/01/06	<b>7440-47-3</b>	<b>Chromium</b>	0.7	17.7	
3050B	03/01/06	6010B	03/01/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	6.5	
3050B	03/01/06	6010B	03/01/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	25.6	
3050B	03/01/06	6010B	03/01/06	<b>7439-92-1</b>	<b>Lead</b>	3	6	
CLP	02/27/06	7471A	02/28/06	<b>7439-97-6</b>	<b>Mercury</b>	0.06	0.11	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/01/06	6010B	03/01/06	<b>7440-02-0</b>	<b>Nickel</b>	1	14	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	7	7	U
3050B	03/01/06	6010B	03/01/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	58.2	
3050B	03/01/06	6010B	03/01/06	<b>7440-66-6</b>	<b>Zinc</b>	0.9	42.0	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC37-0-1  
SAMPLE

Lab Sample ID: JC21AG

LIMS ID: 06-3605

Matrix: Sediment

Data Release Authorized: 

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 51.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/17/06	7440-36-0	Antimony	20	30	
3050B	03/16/06	6010B	03/17/06	7440-38-2	Arsenic	20	150	
3050B	03/16/06	6010B	03/17/06	7440-43-9	Cadmium	0.9	0.9	U
3050B	03/16/06	6010B	03/17/06	7440-47-3	Chromium	2	48	
3050B	03/16/06	6010B	03/17/06	7440-48-4	Cobalt	1	18	
3050B	03/16/06	6010B	03/17/06	7440-50-8	Copper	0.9	236	
3050B	03/16/06	6010B	03/17/06	7439-92-1	Lead	9	121	
CLP	03/15/06	7471A	03/17/06	7439-97-6	Mercury	0.08	0.26	
3050B	03/16/06	6010B	03/17/06	7439-98-7	Molybdenum	2	9	
3050B	03/16/06	6010B	03/17/06	7440-02-0	Nickel	5	35	
3050B	03/16/06	6010B	03/17/06	7782-49-2	Selenium	20	20	U
3050B	03/16/06	6010B	03/17/06	7440-22-4	Silver	1	1	U
3050B	03/16/06	6010B	03/17/06	7440-28-0	Thallium	20	20	U
3050B	03/16/06	6010B	03/17/06	7440-62-2	Vanadium	1	85	
3050B	03/16/06	6010B	03/17/06	7440-66-6	Zinc	3	386	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC37-1-2

SAMPLE

Lab Sample ID: JC21AH

LIMS ID: 06-3606

Matrix: Sediment

Data Release Authorized 

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 61.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/17/06	7440-36-0	Antimony	8	28	
3050B	03/16/06	6010B	03/17/06	7440-38-2	Arsenic	8	112	
3050B	03/16/06	6010B	03/17/06	7440-43-9	Cadmium	0.3	0.7	
3050B	03/16/06	6010B	03/17/06	7440-47-3	Chromium	0.8	45.2	
3050B	03/16/06	6010B	03/17/06	7440-48-4	Cobalt	0.5	11.9	
3050B	03/16/06	6010B	03/17/06	7440-50-8	Copper	0.3	320	
3050B	03/16/06	6010B	03/17/06	7439-92-1	Lead	3	191	
CLP	03/15/06	7471A	03/17/06	7439-97-6	Mercury	0.06	0.55	
3050B	03/16/06	6010B	03/17/06	7439-98-7	Molybdenum	0.8	9.7	
3050B	03/16/06	6010B	03/17/06	7440-02-0	Nickel	2	19	
3050B	03/16/06	6010B	03/17/06	7782-49-2	Selenium	8	8	U
3050B	03/16/06	6010B	03/17/06	7440-22-4	Silver	0.5	0.9	
3050B	03/16/06	6010B	03/17/06	7440-28-0	Thallium	8	8	U
3050B	03/16/06	6010B	03/17/06	7440-62-2	Vanadium	0.5	59.0	
3050B	03/16/06	6010B	03/17/06	7440-66-6	Zinc	0.9	480	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC37-1-2

DUPLICATE

Lab Sample ID: JC21AH

LIMS ID: 06-3606

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	28	31	10.2%	+/- 8	L
Arsenic	6010B	112	129	14.1%	+/- 20%	
Cadmium	6010B	0.7	0.7	0.0%	+/- 0.3	L
Chromium	6010B	45.2	44.1	2.5%	+/- 20%	
Cobalt	6010B	11.9	12.5	4.9%	+/- 20%	
Copper	6010B	320	336	4.9%	+/- 20%	
Lead	6010B	191	303	45.3%	+/- 20%	*
Mercury	7471A	0.55	0.35	44.4%	+/- 20%	*
Molybdenum	6010B	9.7	8.9	8.6%	+/- 20%	
Nickel	6010B	19	20	5.1%	+/- 20%	
Selenium	6010B	8 U	8 U	0.0%	+/- 8	L
Silver	6010B	0.9	0.9	0.0%	+/- 0.5	L
Thallium	6010B	8 U	8 U	0.0%	+/- 8	L
Vanadium	6010B	59.0	58.6	0.7%	+/- 20%	
Zinc	6010B	480	491	2.3%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

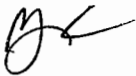
Sample ID: LDW-SC37-2-4

SAMPLE

Lab Sample ID: JC21AI

LIMS ID: 06-3607

Matrix: Sediment

Data Release Authorized: 

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 68.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/17/06	7440-36-0	Antimony	40	590	
3050B	03/16/06	6010B	03/17/06	7440-38-2	Arsenic	40	2,000	
3050B	03/16/06	6010B	03/17/06	7440-43-9	Cadmium	1	4	
3050B	03/16/06	6010B	03/17/06	7440-47-3	Chromium	4	126	
3050B	03/16/06	6010B	03/17/06	7440-48-4	Cobalt	2	100	
3050B	03/16/06	6010B	03/17/06	7440-50-8	Copper	1	2,940	
3050B	03/16/06	6010B	03/17/06	7439-92-1	Lead	10	3,520	
CLP	03/15/06	7471A	03/17/06	7439-97-6	Mercury	0.06	0.37	
3050B	03/16/06	6010B	03/17/06	7439-98-7	Molybdenum	4	113	
3050B	03/16/06	6010B	03/17/06	7440-02-0	Nickel	7	48	
3050B	03/16/06	6010B	03/17/06	7782-49-2	Selenium	40	40	U
3050B	03/16/06	6010B	03/17/06	7440-22-4	Silver	2	3	
3050B	03/16/06	6010B	03/17/06	7440-28-0	Thallium	40	40	U
3050B	03/16/06	6010B	03/17/06	7440-62-2	Vanadium	2	55	
3050B	03/16/06	6010B	03/17/06	7440-66-6	Zinc	4	4,720	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC37-5.3-6.9  
SAMPLE

Lab Sample ID: JH57D

LIMS ID: 06-7245

Matrix: Sediment

Data Release Authorized: *OR*

Reported: 05/17/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 76.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/05/06	6010B	05/15/06	7440-36-0	Antimony	7	8	
3050B	05/05/06	6010B	05/15/06	7440-38-2	Arsenic	7	21	
3050B	05/05/06	6010B	05/15/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	05/05/06	6010B	05/15/06	7440-47-3	Chromium	0.7	10.3	
3050B	05/05/06	6010B	05/15/06	7440-48-4	Cobalt	0.4	4.9	
3050B	05/05/06	6010B	05/15/06	7440-50-8	Copper	0.3	21.3	
3050B	05/05/06	6010B	05/15/06	7439-92-1	Lead	3	16	
3050B	05/05/06	6010B	05/15/06	7439-98-7	Molybdenum	0.7	1.6	
3050B	05/05/06	6010B	05/15/06	7440-02-0	Nickel	1	7	
3050B	05/05/06	6010B	05/15/06	7782-49-2	Selenium	7	7	U
3050B	05/05/06	6010B	05/15/06	7440-22-4	Silver	0.4	0.4	U
3050B	05/05/06	6010B	05/15/06	7440-28-0	Thallium	7	7	U
3050B	05/05/06	6010B	05/15/06	7440-62-2	Vanadium	0.4	39.0	
3050B	05/05/06	6010B	05/15/06	7440-66-6	Zinc	0.8	78.5	

U-Analyte undetected at given RL  
RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC38-0-1

SAMPLE

Lab Sample ID: JC10AT

LIMS ID: 06-3498

Matrix: Sediment

Data Release Authorized: *OK*

Reported: 03/13/06

QC Report No: JC10-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 68.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/09/06	6010B	03/09/06	7440-36-0	Antimony	7	7	U
3050B	03/09/06	6010B	03/09/06	7440-38-2	Arsenic	7	11	
3050B	03/09/06	6010B	03/09/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/09/06	6010B	03/09/06	7440-47-3	Chromium	0.7	23.4	
3050B	03/09/06	6010B	03/09/06	7440-48-4	Cobalt	0.4	7.4	
3050B	03/09/06	6010B	03/09/06	7440-50-8	Copper	0.3	34.7	
3050B	03/09/06	6010B	03/09/06	7439-92-1	Lead	3	28	
CLP	03/07/06	7471A	03/09/06	7439-97-6	Mercury	0.06	0.31	
3050B	03/09/06	6010B	03/09/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/09/06	6010B	03/09/06	7440-02-0	Nickel	1	15	
3050B	03/09/06	6010B	03/09/06	7782-49-2	Selenium	7	7	U
3050B	03/09/06	6010B	03/09/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/09/06	6010B	03/09/06	7440-28-0	Thallium	7	7	U
3050B	03/09/06	6010B	03/09/06	7440-62-2	Vanadium	0.4	56.7	
3050B	03/09/06	6010B	03/09/06	7440-66-6	Zinc	0.8	64.1	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC38-1-2

**SAMPLE**

Lab Sample ID: JC10AU

LIMS ID: 06-3499

Matrix: Sediment

Data Release Authorized: *OK*

Reported: 03/13/06

QC Report No: JC10-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 68.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/09/06	6010B	03/09/06	7440-36-0	Antimony	7	7	U
3050B	03/09/06	6010B	03/09/06	<b>7440-38-2</b>	<b>Arsenic</b>	7	<b>10</b>	
3050B	03/09/06	6010B	03/09/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/09/06	6010B	03/09/06	<b>7440-47-3</b>	<b>Chromium</b>	0.7	<b>22.0</b>	
3050B	03/09/06	6010B	03/09/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>6.9</b>	
3050B	03/09/06	6010B	03/09/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>31.5</b>	
3050B	03/09/06	6010B	03/09/06	<b>7439-92-1</b>	<b>Lead</b>	3	<b>19</b>	
CLP	03/07/06	7471A	03/09/06	<b>7439-97-6</b>	<b>Mercury</b>	0.06	<b>0.27</b>	
3050B	03/09/06	6010B	03/09/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/09/06	6010B	03/09/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>14</b>	
3050B	03/09/06	6010B	03/09/06	7782-49-2	Selenium	7	7	U
3050B	03/09/06	6010B	03/09/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/09/06	6010B	03/09/06	7440-28-0	Thallium	7	7	U
3050B	03/09/06	6010B	03/09/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>57.1</b>	
3050B	03/09/06	6010B	03/09/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>54.5</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC38-2-3  
SAMPLE

Lab Sample ID: JC10AV

LIMS ID: 06-3500

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/13/06

QC Report No: JC10-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 68.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/09/06	6010B	03/09/06	7440-36-0	Antimony	7	7	U
3050B	03/09/06	6010B	03/09/06	7440-38-2	Arsenic	7	13	
3050B	03/09/06	6010B	03/09/06	7440-43-9	Cadmium	0.3	0.5	
3050B	03/09/06	6010B	03/09/06	7440-47-3	Chromium	0.7	26.8	
3050B	03/09/06	6010B	03/09/06	7440-48-4	Cobalt	0.4	6.9	
3050B	03/09/06	6010B	03/09/06	7440-50-8	Copper	0.3	38.5	
3050B	03/09/06	6010B	03/09/06	7439-92-1	Lead	3	36	
CLP	03/07/06	7471A	03/09/06	7439-97-6	Mercury	0.05	0.45	
3050B	03/09/06	6010B	03/09/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/09/06	6010B	03/09/06	7440-02-0	Nickel	1	15	
3050B	03/09/06	6010B	03/09/06	7782-49-2	Selenium	7	7	U
3050B	03/09/06	6010B	03/09/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/09/06	6010B	03/09/06	7440-28-0	Thallium	7	7	U
3050B	03/09/06	6010B	03/09/06	7440-62-2	Vanadium	0.4	57.1	
3050B	03/09/06	6010B	03/09/06	7440-66-6	Zinc	0.9	76.8	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC38-3-3.3

SAMPLE

Lab Sample ID: JC10AW

LIMS ID: 06-3501

Matrix: Sediment

Data Release Authorized 

Reported: 03/13/06

QC Report No: JC10-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 73.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/09/06	6010B	03/09/06	7440-36-0	Antimony	7	7	U
3050B	03/09/06	6010B	03/09/06	7440-38-2	Arsenic	7	7	U
3050B	03/09/06	6010B	03/09/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/09/06	6010B	03/09/06	<b>7440-47-3</b>	<b>Chromium</b>	0.7	<b>12.4</b>	
3050B	03/09/06	6010B	03/09/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>6.2</b>	
3050B	03/09/06	6010B	03/09/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>20.1</b>	
3050B	03/09/06	6010B	03/09/06	<b>7439-92-1</b>	<b>Lead</b>	3	<b>8</b>	
CLP	03/07/06	7471A	03/09/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/09/06	6010B	03/09/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.7	<b>0.9</b>	
3050B	03/09/06	6010B	03/09/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>18</b>	
3050B	03/09/06	6010B	03/09/06	7782-49-2	Selenium	7	7	U
3050B	03/09/06	6010B	03/09/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/09/06	6010B	03/09/06	7440-28-0	Thallium	7	7	U
3050B	03/09/06	6010B	03/09/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>39.4</b>	
3050B	03/09/06	6010B	03/09/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>30.4</b>	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC39-0-1

SAMPLE

Lab Sample ID: JB82M

LIMS ID: 06-3262

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 72.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	6	6	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	6	9	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	0.6	17.6	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.4	5.5	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.3	26.9	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	3	23	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.05	0.22	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	1	15	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	6	6	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	6	6	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.4	45.1	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	0.8	76.5	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC39-1-2

**SAMPLE**

Lab Sample ID: JB82N

LIMS ID: 06-3263

Matrix: Sediment

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 79.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	6	6	U
3050B	03/01/06	6010B	03/01/06	<b>7440-38-2</b>	<b>Arsenic</b>	6	7	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/01/06	6010B	03/01/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	16.1	
3050B	03/01/06	6010B	03/01/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	6.0	
3050B	03/01/06	6010B	03/01/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	29.2	
3050B	03/01/06	6010B	03/01/06	<b>7439-92-1</b>	<b>Lead</b>	2	35	
CLP	02/27/06	7471A	02/28/06	<b>7439-97-6</b>	<b>Mercury</b>	0.05	0.06	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/01/06	6010B	03/01/06	<b>7440-02-0</b>	<b>Nickel</b>	1	15	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	6	6	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	6	6	U
3050B	03/01/06	6010B	03/01/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	51.4	
3050B	03/01/06	6010B	03/01/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	58.7	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC39-2-4

SAMPLE

Lab Sample ID: JB820

LIMS ID: 06-3264

Matrix: Sediment

Data Release Authorized 

Reported: 03/02/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Percent Total Solids: 66.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/01/06	7440-36-0	Antimony	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-38-2	Arsenic	7	14	
3050B	03/01/06	6010B	03/01/06	7440-43-9	Cadmium	0.3	0.6	
3050B	03/01/06	6010B	03/01/06	7440-47-3	Chromium	0.7	27.4	
3050B	03/01/06	6010B	03/01/06	7440-48-4	Cobalt	0.4	7.2	
3050B	03/01/06	6010B	03/01/06	7440-50-8	Copper	0.3	34.7	
3050B	03/01/06	6010B	03/01/06	7439-92-1	Lead	3	48	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.05	0.24	
3050B	03/01/06	6010B	03/01/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/01/06	6010B	03/01/06	7440-02-0	Nickel	1	17	
3050B	03/01/06	6010B	03/01/06	7782-49-2	Selenium	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/01/06	7440-28-0	Thallium	7	7	U
3050B	03/01/06	6010B	03/01/06	7440-62-2	Vanadium	0.4	58.8	
3050B	03/01/06	6010B	03/01/06	7440-66-6	Zinc	0.9	77.7	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC40-0-1.3

SAMPLE

Lab Sample ID: JC42A

LIMS ID: 06-3816

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 75.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	7	7	U
3050B	03/16/06	6010B	03/20/06	7440-38-2	Arsenic	7	7	
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/16/06	6010B	03/20/06	7440-47-3	Chromium	0.7	14.4	
3050B	03/16/06	6010B	03/20/06	7440-48-4	Cobalt	0.4	4.3	
3050B	03/16/06	6010B	03/20/06	7440-50-8	Copper	0.3	20.9	
3050B	03/16/06	6010B	03/20/06	7439-92-1	Lead	3	18	
CLP	03/16/06	7471A	03/17/06	7439-97-6	Mercury	0.05	0.05	
3050B	03/16/06	6010B	03/20/06	7439-98-7	Molybdenum	0.7	1.0	
3050B	03/16/06	6010B	03/20/06	7440-02-0	Nickel	1	10	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	7	7	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	7	7	U
3050B	03/16/06	6010B	03/20/06	7440-62-2	Vanadium	0.4	45.5	
3050B	03/16/06	6010B	03/20/06	7440-66-6	Zinc	0.8	47.4	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

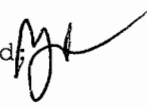
Sample ID: LDW-SC40-1.3-2

**SAMPLE**

Lab Sample ID: JC42B

LIMS ID: 06-3817

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 79.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	6	6	U
3050B	03/16/06	6010B	03/20/06	7440-38-2	Arsenic	6	6	U
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/16/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	17.0	
3050B	03/16/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	4.6	
3050B	03/16/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	13.8	
3050B	03/16/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	2	44	
CLP	03/16/06	7471A	03/17/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/16/06	6010B	03/20/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.6	0.9	
3050B	03/16/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	1	15	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	6	6	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	6	6	U
3050B	03/16/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	45.5	
3050B	03/16/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	27.4	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC40-2-4

**SAMPLE**

Lab Sample ID: JC42C

LIMS ID: 06-3818

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 77.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	6	6	U
3050B	03/16/06	6010B	03/20/06	7440-38-2	Arsenic	6	6	U
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/16/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>12.4</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>3.8</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	<b>8.3</b>	
3050B	03/16/06	6010B	03/20/06	7439-92-1	Lead	2	2	U
CLP	03/16/06	7471A	03/17/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/16/06	6010B	03/20/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/16/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>8</b>	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	6	6	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	6	6	U
3050B	03/16/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>44.7</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	<b>25.1</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC40-2-4  
DUPLICATE

Lab Sample ID: JC42C

LIMS ID: 06-3818

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	6 U	6 U	0.0%	+/- 6	L
Arsenic	6010B	6 U	6 U	0.0%	+/- 6	L
Cadmium	6010B	0.2 U	0.2 U	0.0%	+/- 0.2	L
Chromium	6010B	12.4	11.4	8.4%	+/- 20%	
Cobalt	6010B	3.8	3.6	5.4%	+/- 20%	
Copper	6010B	8.3	8.2	1.2%	+/- 20%	
Lead	6010B	2 U	2 U	0.0%	+/- 2	L
Mercury	7471A	0.05 U	0.05 U	0.0%	+/- 0.05	L
Molybdenum	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Nickel	6010B	8	7	13.3%	+/- 20%	
Selenium	6010B	6 U	6 U	0.0%	+/- 6	L
Silver	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Thallium	6010B	6 U	6 U	0.0%	+/- 6	L
Vanadium	6010B	44.7	41.8	6.7%	+/- 20%	
Zinc	6010B	25.1	23.9	4.9%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC41-0-1  
SAMPLE

Lab Sample ID: JC95A

LIMS ID: 06-4140

Matrix: Sediment

Data Release Authorized: *gpc*

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 48.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	10	10	U
3050B	03/17/06	6010B	03/20/06	7440-38-2	Arsenic	10	20	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/17/06	6010B	03/20/06	7440-47-3	Chromium	1	34	
3050B	03/17/06	6010B	03/20/06	7440-48-4	Cobalt	0.6	9.2	
3050B	03/17/06	6010B	03/20/06	7440-50-8	Copper	0.4	74.4	
3050B	03/17/06	6010B	03/20/06	7439-92-1	Lead	4	42	
CLP	03/17/06	7471A	03/17/06	7439-97-6	Mercury	0.08	0.18	
3050B	03/17/06	6010B	03/20/06	7439-98-7	Molybdenum	1	1	U
3050B	03/17/06	6010B	03/20/06	7440-02-0	Nickel	2	24	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	10	10	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	10	10	U
3050B	03/17/06	6010B	03/20/06	7440-62-2	Vanadium	0.6	70.7	
3050B	03/17/06	6010B	03/20/06	7440-66-6	Zinc	1	166	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC41-0-1  
DUPLICATE

Lab Sample ID: JC95A

LIMS ID: 06-4140

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	10 U	10 U	0.0%	+/- 10	L
Arsenic	6010B	20	20	0.0%	+/- 10	L
Cadmium	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Chromium	6010B	34	33	3.0%	+/- 20%	
Cobalt	6010B	9.2	9.1	1.1%	+/- 20%	
Copper	6010B	74.4	70.3	5.7%	+/- 20%	
Lead	6010B	42	41	2.4%	+/- 20%	
Mercury	7471A	0.18	0.21	15.4%	+/- 0.08	L
Molybdenum	6010B	1 U	1	0.0%	+/- 1	L
Nickel	6010B	24	23	4.3%	+/- 20%	
Selenium	6010B	10 U	10 U	0.0%	+/- 10	L
Silver	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Thallium	6010B	10 U	10 U	0.0%	+/- 10	L
Vanadium	6010B	70.7	69.7	1.4%	+/- 20%	
Zinc	6010B	166	154	7.5%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC41-1-2

SAMPLE

Lab Sample ID: JC95B

LIMS ID: 06-4141

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 51.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	9	9	U
3050B	03/17/06	6010B	03/20/06	7440-38-2	Arsenic	9	16	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.4	0.4	
3050B	03/17/06	6010B	03/20/06	7440-47-3	Chromium	0.9	33.0	
3050B	03/17/06	6010B	03/20/06	7440-48-4	Cobalt	0.6	10.0	
3050B	03/17/06	6010B	03/20/06	7440-50-8	Copper	0.4	68.8	
3050B	03/17/06	6010B	03/20/06	7439-92-1	Lead	4	31	
CLP	03/17/06	7471A	03/17/06	7439-97-6	Mercury	0.09	0.16	
3050B	03/17/06	6010B	03/20/06	7439-98-7	Molybdenum	0.9	0.9	U
3050B	03/17/06	6010B	03/20/06	7440-02-0	Nickel	2	26	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	9	9	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	9	9	U
3050B	03/17/06	6010B	03/20/06	7440-62-2	Vanadium	0.6	73.1	
3050B	03/17/06	6010B	03/20/06	7440-66-6	Zinc	1	141	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC41-2-4

SAMPLE

Lab Sample ID: JC95C

LIMS ID: 06-4142

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 50.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	9	9	U
3050B	03/17/06	6010B	03/20/06	7440-38-2	Arsenic	9	16	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.4	1.3	
3050B	03/17/06	6010B	03/20/06	7440-47-3	Chromium	0.9	32.2	
3050B	03/17/06	6010B	03/20/06	7440-48-4	Cobalt	0.5	10.0	
3050B	03/17/06	6010B	03/20/06	7440-50-8	Copper	0.4	61.9	
3050B	03/17/06	6010B	03/20/06	7439-92-1	Lead	4	35	
CLP	03/17/06	7471A	03/17/06	7439-97-6	Mercury	0.08	0.17	
3050B	03/17/06	6010B	03/20/06	7439-98-7	Molybdenum	0.9	0.9	U
3050B	03/17/06	6010B	03/20/06	7440-02-0	Nickel	2	25	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	9	9	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	9	9	U
3050B	03/17/06	6010B	03/20/06	7440-62-2	Vanadium	0.5	73.1	
3050B	03/17/06	6010B	03/20/06	7440-66-6	Zinc	1	131	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC42-0-1  
SAMPLE

Lab Sample ID: JA90F

LIMS ID: 06-2360

Matrix: Sediment

Data Release Authorized 

Reported: 02/23/06

QC Report No: JA90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Percent Total Solids: 48.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/14/06	6010B	02/21/06	7440-36-0	Antimony	9	9	U
3050B	02/14/06	6010B	02/21/06	7440-38-2	Arsenic	9	10	
3050B	02/14/06	6010B	02/21/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	02/14/06	6010B	02/21/06	7440-47-3	Chromium	0.9	26.4	
3050B	02/14/06	6010B	02/21/06	7440-48-4	Cobalt	0.6	9.3	
3050B	02/14/06	6010B	02/21/06	7440-50-8	Copper	0.4	41.2	
3050B	02/14/06	6010B	02/21/06	7439-92-1	Lead	4	20	
CLP	02/14/06	7471A	02/17/06	7439-97-6	Mercury	0.08	0.17	
3050B	02/14/06	6010B	02/21/06	7439-98-7	Molybdenum	0.9	0.9	U
3050B	02/14/06	6010B	02/21/06	7440-02-0	Nickel	2	23	
3050B	02/14/06	6010B	02/21/06	7782-49-2	Selenium	9	9	U
3050B	02/14/06	6010B	02/21/06	7440-22-4	Silver	0.6	0.6	U
3050B	02/14/06	6010B	02/21/06	7440-28-0	Thallium	9	9	U
3050B	02/14/06	6010B	02/21/06	7440-62-2	Vanadium	0.6	62.2	
3050B	02/14/06	6010B	02/21/06	7440-66-6	Zinc	1	77	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

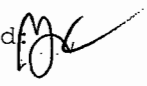
Page 1 of 1

Sample ID: LDW-SC42-1-2  
SAMPLE

Lab Sample ID: JA90G

LIMS ID: 06-2361

Matrix: Sediment

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JA90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Percent Total Solids: 53.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/14/06	6010B	02/21/06	7440-36-0	Antimony	9	9	U
3050B	02/14/06	6010B	02/21/06	7440-38-2	Arsenic	9	13	
3050B	02/14/06	6010B	02/21/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/14/06	6010B	02/21/06	7440-47-3	Chromium	0.9	24.7	
3050B	02/14/06	6010B	02/21/06	7440-48-4	Cobalt	0.5	7.7	
3050B	02/14/06	6010B	02/21/06	7440-50-8	Copper	0.3	52.9	
3050B	02/14/06	6010B	02/21/06	7439-92-1	Lead	3	38	
CLP	02/14/06	7471A	02/17/06	7439-97-6	Mercury	0.09	0.19	
3050B	02/14/06	6010B	02/21/06	7439-98-7	Molybdenum	0.9	0.9	
3050B	02/14/06	6010B	02/21/06	7440-02-0	Nickel	2	19	
3050B	02/14/06	6010B	02/21/06	7782-49-2	Selenium	9	9	U
3050B	02/14/06	6010B	02/21/06	7440-22-4	Silver	0.5	0.5	U
3050B	02/14/06	6010B	02/21/06	7440-28-0	Thallium	9	9	U
3050B	02/14/06	6010B	02/21/06	7440-62-2	Vanadium	0.5	58.6	
3050B	02/14/06	6010B	02/21/06	7440-66-6	Zinc	1	105	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC42-2-4  
SAMPLE

Lab Sample ID: JA90H

LIMS ID: 06-2362

Matrix: Sediment

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JA90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Percent Total Solids: 51.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/14/06	6010B	02/22/06	7440-36-0	Antimony	9	9	U
3050B	02/14/06	6010B	02/22/06	7440-38-2	Arsenic	9	13	
3050B	02/14/06	6010B	02/22/06	7440-43-9	Cadmium	0.4	0.4	
3050B	02/14/06	6010B	02/22/06	7440-47-3	Chromium	0.9	29.3	
3050B	02/14/06	6010B	02/22/06	7440-48-4	Cobalt	0.6	10.8	
3050B	02/14/06	6010B	02/22/06	7440-50-8	Copper	0.4	48.4	
3050B	02/14/06	6010B	02/22/06	7439-92-1	Lead	4	24	
CLP	02/14/06	7471A	02/17/06	7439-97-6	Mercury	0.09	0.15	
3050B	02/14/06	6010B	02/22/06	7439-98-7	Molybdenum	0.9	0.9	U
3050B	02/14/06	6010B	02/22/06	7440-02-0	Nickel	2	24	
3050B	02/14/06	6010B	02/22/06	7782-49-2	Selenium	9	9	U
3050B	02/14/06	6010B	02/22/06	7440-22-4	Silver	0.6	0.6	U
3050B	02/14/06	6010B	02/22/06	7440-28-0	Thallium	9	9	U
3050B	02/14/06	6010B	02/22/06	7440-62-2	Vanadium	0.6	73.5	
3050B	02/14/06	6010B	02/22/06	7440-66-6	Zinc	1	94	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC42-2-4

DUPLICATE

Lab Sample ID: JA90H

LIMS ID: 06-2362

Matrix: Sediment

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JA90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	9 U	9 U	0.0%	+/- 9	L
Arsenic	6010B	13	13	0.0%	+/- 9	L
Cadmium	6010B	0.4	0.4	0.0%	+/- 0.4	L
Chromium	6010B	29.3	36.1	20.8%	+/- 20%	*
Cobalt	6010B	10.8	10.9	0.9%	+/- 20%	
Copper	6010B	48.4	50.6	4.4%	+/- 20%	
Lead	6010B	24	41	52.3%	+/- 20%	*
Mercury	7471A	0.15	0.14	6.9%	+/- 0.09	L
Molybdenum	6010B	0.9 U	0.9 U	0.0%	+/- 0.9	L
Nickel	6010B	24	27	11.8%	+/- 20%	
Selenium	6010B	9 U	9 U	0.0%	+/- 9	L
Silver	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Thallium	6010B	9 U	9 U	0.0%	+/- 9	L
Vanadium	6010B	73.5	75.7	2.9%	+/- 20%	
Zinc	6010B	94	96	2.1%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

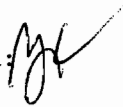
Page 1 of 1

Sample ID: LDW-SC43-0-2  
SAMPLE

Lab Sample ID: JC32A

LIMS ID: 06-3681

Matrix: Sediment

Data Release Authorized: 

Reported: 03/17/06

QC Report No: JC32-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/23/06

Date Received: 02/23/06

Percent Total Solids: 69.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	7	7	U
3050B	03/15/06	6010B	03/15/06	7440-38-2	Arsenic	7	7	U
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/15/06	6010B	03/15/06	<b>7440-47-3</b>	<b>Chromium</b>	0.7	<b>15.7</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>5.2</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>21.5</b>	
3050B	03/15/06	6010B	03/15/06	<b>7439-92-1</b>	<b>Lead</b>	3	<b>4</b>	
CLP	03/13/06	7471A	03/14/06	7439-97-6	Mercury	0.06	0.06	U
3050B	03/15/06	6010B	03/15/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/15/06	6010B	03/15/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>11</b>	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	7	7	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	7	7	U
3050B	03/15/06	6010B	03/15/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>50.1</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>32.9</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC43-0-2  
DUPLICATE

Lab Sample ID: JC32A

LIMS ID: 06-3681

Matrix: Sediment

Data Release Authorized: *JK*

Reported: 03/17/06

QC Report No: JC32-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/23/06

Date Received: 02/23/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	7 U	7 U	0.0%	+/- 7	L
Arsenic	6010B	7 U	7 U	0.0%	+/- 7	L
Cadmium	6010B	0.3 U	0.3 U	0.0%	+/- 0.3	L
Chromium	6010B	15.7	16.1	2.5%	+/- 20%	
Cobalt	6010B	5.2	5.3	1.9%	+/- 20%	
Copper	6010B	21.5	21.5	0.0%	+/- 20%	
Lead	6010B	4	4	0.0%	+/- 3	L
Mercury	7471A	0.06 U	0.06 U	0.0%	+/- 0.06	L
Molybdenum	6010B	0.7 U	0.7 U	0.0%	+/- 0.7	L
Nickel	6010B	11	11	0.0%	+/- 20%	
Selenium	6010B	7 U	7 U	0.0%	+/- 7	L
Silver	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Thallium	6010B	7 U	7 U	0.0%	+/- 7	L
Vanadium	6010B	50.1	50.3	0.4%	+/- 20%	
Zinc	6010B	32.9	33.1	0.6%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

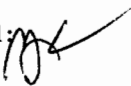
Page 1 of 1

Sample ID: LDW-SC43-2-4  
SAMPLE

Lab Sample ID: JC32B

LIMS ID: 06-3682

Matrix: Sediment

Data Release Authorized: 

Reported: 03/17/06

QC Report No: JC32-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/23/06

Date Received: 02/23/06

Percent Total Solids: 77.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	6	6	U
3050B	03/15/06	6010B	03/15/06	7440-38-2	Arsenic	6	6	U
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/15/06	6010B	03/15/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>11.4</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>4.3</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	<b>13.4</b>	
3050B	03/15/06	6010B	03/15/06	7439-92-1	Lead	2	2	U
CLP	03/13/06	7471A	03/14/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/15/06	6010B	03/15/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/15/06	6010B	03/15/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>7</b>	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	6	6	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	6	6	U
3050B	03/15/06	6010B	03/15/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>43.6</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	<b>22.6</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC44-0-2

SAMPLE

Lab Sample ID: JC95D

LIMS ID: 06-4143

Matrix: Sediment

Data Release Authorized: *OK*

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 60.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	8	8	U
3050B	03/17/06	6010B	03/20/06	7440-38-2	Arsenic	8	16	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.3	0.8	
3050B	03/17/06	6010B	03/20/06	7440-47-3	Chromium	0.8	47.9	
3050B	03/17/06	6010B	03/20/06	7440-48-4	Cobalt	0.5	8.6	
3050B	03/17/06	6010B	03/20/06	7440-50-8	Copper	0.3	48.4	
3050B	03/17/06	6010B	03/20/06	7439-92-1	Lead	3	33	
CLP	03/17/06	7471A	03/17/06	7439-97-6	Mercury	0.07	0.36	
3050B	03/17/06	6010B	03/20/06	7439-98-7	Molybdenum	0.8	0.8	
3050B	03/17/06	6010B	03/20/06	7440-02-0	Nickel	2	20	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	8	8	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.5	0.6	
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	8	8	U
3050B	03/17/06	6010B	03/20/06	7440-62-2	Vanadium	0.5	67.0	
3050B	03/17/06	6010B	03/20/06	7440-66-6	Zinc	1	119	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC44-2-3.2

SAMPLE

Lab Sample ID: JC95E

LIMS ID: 06-4144

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 60.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	8	8	U
3050B	03/17/06	6010B	03/20/06	7440-38-2	Arsenic	8	19	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.3	1.4	
3050B	03/17/06	6010B	03/20/06	7440-47-3	Chromium	0.8	51.0	
3050B	03/17/06	6010B	03/20/06	7440-48-4	Cobalt	0.5	7.4	
3050B	03/17/06	6010B	03/20/06	7440-50-8	Copper	0.3	45.3	
3050B	03/17/06	6010B	03/20/06	7439-92-1	Lead	3	74	
CLP	03/17/06	7471A	03/17/06	7439-97-6	Mercury	0.08	0.23	
3050B	03/17/06	6010B	03/20/06	7439-98-7	Molybdenum	0.8	1.8	
3050B	03/17/06	6010B	03/20/06	7440-02-0	Nickel	2	19	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	8	8	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	8	8	U
3050B	03/17/06	6010B	03/20/06	7440-62-2	Vanadium	0.5	65.1	
3050B	03/17/06	6010B	03/20/06	7440-66-6	Zinc	0.9	123	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC44-3.2-4

SAMPLE

Lab Sample ID: JC95F

LIMS ID: 06-4145

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/21/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 78.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/06	6010B	03/20/06	7440-36-0	Antimony	6	6	U
3050B	03/17/06	6010B	03/20/06	7440-38-2	Arsenic	6	9	
3050B	03/17/06	6010B	03/20/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/17/06	6010B	03/20/06	7440-47-3	Chromium	0.6	15.4	
3050B	03/17/06	6010B	03/20/06	7440-48-4	Cobalt	0.4	4.7	
3050B	03/17/06	6010B	03/20/06	7440-50-8	Copper	0.2	17.7	
3050B	03/17/06	6010B	03/20/06	7439-92-1	Lead	2	9	
CLP	03/17/06	7471A	03/17/06	7439-97-6	Mercury	0.04	0.07	
3050B	03/17/06	6010B	03/20/06	7439-98-7	Molybdenum	0.6	0.8	
3050B	03/17/06	6010B	03/20/06	7440-02-0	Nickel	1	10	
3050B	03/17/06	6010B	03/20/06	7782-49-2	Selenium	6	6	U
3050B	03/17/06	6010B	03/20/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/17/06	6010B	03/20/06	7440-28-0	Thallium	6	6	U
3050B	03/17/06	6010B	03/20/06	7440-62-2	Vanadium	0.4	46.9	
3050B	03/17/06	6010B	03/20/06	7440-66-6	Zinc	0.7	36.9	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC45-0-1

**SAMPLE**

Lab Sample ID: JC10U

LIMS ID: 06-3473

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JC10-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 48.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/09/06	6010B	03/09/06	7440-36-0	Antimony	9	9	U
3050B	03/09/06	6010B	03/09/06	7440-38-2	Arsenic	9	14	
3050B	03/09/06	6010B	03/09/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/09/06	6010B	03/09/06	7440-47-3	Chromium	0.9	27.8	
3050B	03/09/06	6010B	03/09/06	7440-48-4	Cobalt	0.6	8.3	
3050B	03/09/06	6010B	03/09/06	7440-50-8	Copper	0.4	49.4	
3050B	03/09/06	6010B	03/09/06	7439-92-1	Lead	4	24	
CLP	03/07/06	7471A	03/09/06	7439-97-6	Mercury	0.08	0.13	
3050B	03/09/06	6010B	03/09/06	7439-98-7	Molybdenum	0.9	0.9	U
3050B	03/09/06	6010B	03/09/06	7440-02-0	Nickel	2	19	
3050B	03/09/06	6010B	03/09/06	7782-49-2	Selenium	9	9	U
3050B	03/09/06	6010B	03/09/06	7440-22-4	Silver	0.6	0.6	U
3050B	03/09/06	6010B	03/09/06	7440-28-0	Thallium	9	9	U
3050B	03/09/06	6010B	03/09/06	7440-62-2	Vanadium	0.6	64.8	
3050B	03/09/06	6010B	03/09/06	7440-66-6	Zinc	1	98	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC45-0-1

DUPLICATE

Lab Sample ID: JC10U

LIMS ID: 06-3473

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JC10-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	9 U	9 U	0.0%	+/- 9	L
Arsenic	6010B	14	15	6.9%	+/- 9	L
Cadmium	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Chromium	6010B	27.8	27.9	0.4%	+/- 20%	
Cobalt	6010B	8.3	8.6	3.6%	+/- 20%	
Copper	6010B	49.4	50.6	2.4%	+/- 20%	
Lead	6010B	24	25	4.1%	+/- 20%	
Mercury	7471A	0.13	0.13	0.0%	+/- 0.08	L
Molybdenum	6010B	0.9 U	0.9 U	0.0%	+/- 0.9	L
Nickel	6010B	19	19	0.0%	+/- 20%	
Selenium	6010B	9 U	9 U	0.0%	+/- 9	L
Silver	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Thallium	6010B	9 U	9 U	0.0%	+/- 9	L
Vanadium	6010B	64.8	66.0	1.8%	+/- 20%	
Zinc	6010B	98	98	0.0%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC45-1-2

SAMPLE

Lab Sample ID: JC10V

LIMS ID: 06-3474

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JC10-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 56.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/09/06	6010B	03/09/06	7440-36-0	Antimony	9	9	U
3050B	03/09/06	6010B	03/09/06	7440-38-2	Arsenic	9	13	
3050B	03/09/06	6010B	03/09/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/09/06	6010B	03/09/06	7440-47-3	Chromium	0.9	27.0	
3050B	03/09/06	6010B	03/09/06	7440-48-4	Cobalt	0.5	8.6	
3050B	03/09/06	6010B	03/09/06	7440-50-8	Copper	0.3	42.9	
3050B	03/09/06	6010B	03/09/06	7439-92-1	Lead	3	21	
CLP	03/07/06	7471A	03/09/06	7439-97-6	Mercury	0.06	0.14	
3050B	03/09/06	6010B	03/09/06	7439-98-7	Molybdenum	0.9	0.9	U
3050B	03/09/06	6010B	03/09/06	7440-02-0	Nickel	2	20	
3050B	03/09/06	6010B	03/09/06	7782-49-2	Selenium	9	9	U
3050B	03/09/06	6010B	03/09/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/09/06	6010B	03/09/06	7440-28-0	Thallium	9	9	U
3050B	03/09/06	6010B	03/09/06	7440-62-2	Vanadium	0.5	63.7	
3050B	03/09/06	6010B	03/09/06	7440-66-6	Zinc	1	83	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC45-2-4

SAMPLE

Lab Sample ID: JC10W

LIMS ID: 06-3475

Matrix: Sediment

Data Release Authorized: 

Reported: 03/13/06

QC Report No: JC10-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Percent Total Solids: 57.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/09/06	6010B	03/09/06	7440-36-0	Antimony	8	8	U
3050B	03/09/06	6010B	03/09/06	7440-38-2	Arsenic	8	25	
3050B	03/09/06	6010B	03/09/06	7440-43-9	Cadmium	0.3	0.5	
3050B	03/09/06	6010B	03/09/06	7440-47-3	Chromium	0.8	26.5	
3050B	03/09/06	6010B	03/09/06	7440-48-4	Cobalt	0.5	8.7	
3050B	03/09/06	6010B	03/09/06	7440-50-8	Copper	0.3	76.5	
3050B	03/09/06	6010B	03/09/06	7439-92-1	Lead	3	52	
CLP	03/07/06	7471A	03/09/06	7439-97-6	Mercury	0.06	0.17	
3050B	03/09/06	6010B	03/09/06	7439-98-7	Molybdenum	0.8	1.6	
3050B	03/09/06	6010B	03/09/06	7440-02-0	Nickel	2	18	
3050B	03/09/06	6010B	03/09/06	7782-49-2	Selenium	8	8	U
3050B	03/09/06	6010B	03/09/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/09/06	6010B	03/09/06	7440-28-0	Thallium	8	8	U
3050B	03/09/06	6010B	03/09/06	7440-62-2	Vanadium	0.5	62.1	
3050B	03/09/06	6010B	03/09/06	7440-66-6	Zinc	1	152	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC46-0-1

SAMPLE

Lab Sample ID: JC42Z

LIMS ID: 06-3841

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 58.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	8	8	U
3050B	03/16/06	6010B	03/20/06	<b>7440-38-2</b>	<b>Arsenic</b>	8	16	
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/16/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.8	33.3	
3050B	03/16/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.5	7.9	
3050B	03/16/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	54.9	
3050B	03/16/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	3	29	
CLP	03/16/06	7471A	03/17/06	<b>7439-97-6</b>	<b>Mercury</b>	0.07	0.13	
3050B	03/16/06	6010B	03/20/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.8	1.1	
3050B	03/16/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	2	21	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	8	8	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	8	8	U
3050B	03/16/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.5	61.1	
3050B	03/16/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	0.9	118	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC46-1-2

SAMPLE

Lab Sample ID: JC42AA

LIMS ID: 06-3842

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 58.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	8	8	U
3050B	03/16/06	6010B	03/20/06	<del>7440-38-2</del>	<del>Arsenic</del>	8	13	
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/16/06	6010B	03/20/06	<del>7440-47-3</del>	<del>Chromium</del>	0.8	27.3	
3050B	03/16/06	6010B	03/20/06	<del>7440-48-4</del>	<del>Cobalt</del>	0.5	8.1	
3050B	03/16/06	6010B	03/20/06	<del>7440-50-8</del>	<del>Copper</del>	0.3	46.6	
3050B	03/16/06	6010B	03/20/06	<del>7439-92-1</del>	<del>Lead</del>	3	24	
CLP	03/16/06	7471A	03/17/06	<del>7439-97-6</del>	<del>Mercury</del>	0.06	0.12	
3050B	03/16/06	6010B	03/20/06	<del>7439-98-7</del>	<del>Molybdenum</del>	0.8	1.2	
3050B	03/16/06	6010B	03/20/06	<del>7440-02-0</del>	<del>Nickel</del>	2	22	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	8	8	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	8	8	U
3050B	03/16/06	6010B	03/20/06	<del>7440-62-2</del>	<del>Vanadium</del>	0.5	61.1	
3050B	03/16/06	6010B	03/20/06	<del>7440-66-6</del>	<del>Zinc</del>	1	108	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC46-2-4

SAMPLE

Lab Sample ID: JC42AB

LIMS ID: 06-3843

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 55.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	9	9	U
3050B	03/16/06	6010B	03/20/06	<b>7440-38-2</b>	<b>Arsenic</b>	9	18	
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/16/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.9	41.5	
3050B	03/16/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.5	10.1	
3050B	03/16/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	81.9	
3050B	03/16/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	3	31	
CLP	03/16/06	7471A	03/17/06	<b>7439-97-6</b>	<b>Mercury</b>	0.08	0.15	
3050B	03/16/06	6010B	03/20/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.9	1.3	
3050B	03/16/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	2	31	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	9	9	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	9	9	U
3050B	03/16/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.5	67.8	
3050B	03/16/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	1	132	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC47-0-1  
SAMPLE

Lab Sample ID: JC32AI

LIMS ID: 06-3715

Matrix: Sediment

Data Release Authorized 

Reported: 03/17/06

QC Report No: JC32-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/23/06

Date Received: 02/23/06

Percent Total Solids: 74.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	6	6	U
3050B	03/15/06	6010B	03/15/06	7440-38-2	Arsenic	6	6	U
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/15/06	6010B	03/15/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>13.6</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>4.3</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>19.1</b>	
3050B	03/15/06	6010B	03/15/06	<b>7439-92-1</b>	<b>Lead</b>	3	<b>14</b>	
CLP	03/13/06	7471A	03/14/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/15/06	6010B	03/15/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/15/06	6010B	03/15/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>9</b>	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	6	6	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	6	6	U
3050B	03/15/06	6010B	03/15/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>41.8</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>42.3</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC47-1-2  
SAMPLE

Lab Sample ID: JC32AJ

LIMS ID: 06-3716

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 03/17/06

QC Report No: JC32-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/23/06

Date Received: 02/23/06

Percent Total Solids: 61.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	8	8	U
3050B	03/15/06	6010B	03/15/06	7440-38-2	Arsenic	8	12	
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.3	0.8	
3050B	03/15/06	6010B	03/15/06	7440-47-3	Chromium	0.8	34.5	
3050B	03/15/06	6010B	03/15/06	7440-48-4	Cobalt	0.5	8.2	
3050B	03/15/06	6010B	03/15/06	7440-50-8	Copper	0.3	45.2	
3050B	03/15/06	6010B	03/15/06	7439-92-1	Lead	3	46	
CLP	03/13/06	7471A	03/14/06	7439-97-6	Mercury	0.06	0.17	
3050B	03/15/06	6010B	03/15/06	7439-98-7	Molybdenum	0.8	2.9	
3050B	03/15/06	6010B	03/15/06	7440-02-0	Nickel	2	19	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	8	8	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.5	0.5	
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	8	8	U
3050B	03/15/06	6010B	03/15/06	7440-62-2	Vanadium	0.5	62.5	
3050B	03/15/06	6010B	03/15/06	7440-66-6	Zinc	0.9	117	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC47-2-3

SAMPLE

Lab Sample ID: JC32AK

LIMS ID: 06-3717

Matrix: Sediment

Data Release Authorized: 

Reported: 03/17/06

QC Report No: JC32-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/23/06

Date Received: 02/23/06

Percent Total Solids: 71.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	7	7	U
3050B	03/15/06	6010B	03/15/06	7440-38-2	Arsenic	7	8	
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.3	0.3	
3050B	03/15/06	6010B	03/15/06	7440-47-3	Chromium	0.7	21.7	
3050B	03/15/06	6010B	03/15/06	7440-48-4	Cobalt	0.4	6.7	
3050B	03/15/06	6010B	03/15/06	7440-50-8	Copper	0.3	28.1	
3050B	03/15/06	6010B	03/15/06	7439-92-1	Lead	3	22	
CLP	03/13/06	7471A	03/14/06	7439-97-6	Mercury	0.05	0.18	
3050B	03/15/06	6010B	03/15/06	7439-98-7	Molybdenum	0.7	1.8	
3050B	03/15/06	6010B	03/15/06	7440-02-0	Nickel	1	15	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	7	7	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	7	7	U
3050B	03/15/06	6010B	03/15/06	7440-62-2	Vanadium	0.4	49.2	
3050B	03/15/06	6010B	03/15/06	7440-66-6	Zinc	0.8	54.6	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC47-3-4  
SAMPLE

Lab Sample ID: JC32AL

LIMS ID: 06-3718

Matrix: Sediment

Data Release Authorized: 

Reported: 03/17/06

QC Report No: JC32-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/23/06

Date Received: 02/23/06

Percent Total Solids: 81.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	6	6	U
3050B	03/15/06	6010B	03/15/06	7440-38-2	Arsenic	6	6	U
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/15/06	6010B	03/15/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>10.0</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.3	<b>3.5</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	<b>12.4</b>	
3050B	03/15/06	6010B	03/15/06	<b>7439-92-1</b>	<b>Lead</b>	2	7	
CLP	03/13/06	7471A	03/14/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/15/06	6010B	03/15/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/15/06	6010B	03/15/06	<b>7440-02-0</b>	<b>Nickel</b>	1	7	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	6	6	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.3	0.3	U
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	6	6	U
3050B	03/15/06	6010B	03/15/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.3	<b>39.1</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	<b>23.0</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC48-0-1  
SAMPLE

Lab Sample ID: JB90C

LIMS ID: 06-3303

Matrix: Sediment

Data Release Authorized: 

Reported: 03/06/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Percent Total Solids: 74.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/02/06	7440-36-0	Antimony	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-38-2	Arsenic	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/01/06	6010B	03/02/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	13.7	
3050B	03/01/06	6010B	03/02/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	5.0	
3050B	03/01/06	6010B	03/02/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	16.3	
3050B	03/01/06	6010B	03/02/06	<b>7439-92-1</b>	<b>Lead</b>	2	6	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/01/06	6010B	03/02/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/01/06	6010B	03/02/06	<b>7440-02-0</b>	<b>Nickel</b>	1	10	
3050B	03/01/06	6010B	03/02/06	7782-49-2	Selenium	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/02/06	7440-28-0	Thallium	6	6	U
3050B	03/01/06	6010B	03/02/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	44.5	
3050B	03/01/06	6010B	03/02/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	37.5	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC48-1-2

**SAMPLE**

Lab Sample ID: JB90D

LIMS ID: 06-3304

Matrix: Sediment

Data Release Authorized: 

Reported: 03/06/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Percent Total Solids: 77.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/02/06	7440-36-0	Antimony	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-38-2	Arsenic	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/02/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>10.8</b>	
3050B	03/01/06	6010B	03/02/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	4.2	
3050B	03/01/06	6010B	03/02/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	12.0	
3050B	03/01/06	6010B	03/02/06	7439-92-1	Lead	3	3	U
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.04	0.04	U
3050B	03/01/06	6010B	03/02/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/01/06	6010B	03/02/06	<b>7440-02-0</b>	<b>Nickel</b>	1	8	
3050B	03/01/06	6010B	03/02/06	7782-49-2	Selenium	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/02/06	7440-28-0	Thallium	6	6	U
3050B	03/01/06	6010B	03/02/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>39.6</b>	
3050B	03/01/06	6010B	03/02/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>23.7</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC48-2-4  
SAMPLE

Lab Sample ID: JB90E

LIMS ID: 06-3305

Matrix: Sediment

Data Release Authorized: 

Reported: 03/06/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Percent Total Solids: 72.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/02/06	7440-36-0	Antimony	7	7	U
3050B	03/01/06	6010B	03/02/06	7440-38-2	Arsenic	7	7	U
3050B	03/01/06	6010B	03/02/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/01/06	6010B	03/02/06	7440-47-3	Chromium	0.7	8.1	
3050B	03/01/06	6010B	03/02/06	7440-48-4	Cobalt	0.4	3.2	
3050B	03/01/06	6010B	03/02/06	7440-50-8	Copper	0.3	7.6	
3050B	03/01/06	6010B	03/02/06	7439-92-1	Lead	3	3	U
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/01/06	6010B	03/02/06	7439-98-7	Molybdenum	0.7	0.7	U
3050B	03/01/06	6010B	03/02/06	7440-02-0	Nickel	1	6	
3050B	03/01/06	6010B	03/02/06	7782-49-2	Selenium	7	7	U
3050B	03/01/06	6010B	03/02/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/02/06	7440-28-0	Thallium	7	7	U
3050B	03/01/06	6010B	03/02/06	7440-62-2	Vanadium	0.4	33.8	
3050B	03/01/06	6010B	03/02/06	7440-66-6	Zinc	0.8	16.2	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC49-0-1

SAMPLE

Lab Sample ID: JA36F

LIMS ID: 06-1917

Matrix: Sediment

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Percent Total Solids: 51.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/10/06	6010B	02/21/06	7440-36-0	Antimony	10	10	U
3050B	02/10/06	6010B	02/21/06	<del>7440-38-2</del>	<del>Arsenic</del>	10	10	
3050B	02/10/06	6010B	02/21/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	02/10/06	6010B	02/21/06	<del>7440-47-3</del>	<del>Chromium</del>	1	25	
3050B	02/10/06	6010B	02/21/06	<del>7440-48-4</del>	<del>Cobalt</del>	0.6	8.0	
3050B	02/10/06	6010B	02/21/06	<del>7440-50-8</del>	<del>Copper</del>	0.4	40.2	
3050B	02/10/06	6010B	02/21/06	<del>7439-92-1</del>	<del>Lead</del>	4	18	
CLP	02/10/06	7471A	02/17/06	<del>7439-97-6</del>	<del>Mercury</del>	0.07	0.11	
3050B	02/10/06	6010B	02/21/06	<del>7439-98-7</del>	<del>Molybdenum</del>	1	1	
3050B	02/10/06	6010B	02/21/06	<del>7440-02-0</del>	<del>Nickel</del>	2	19	
3050B	02/10/06	6010B	02/21/06	7782-49-2	Selenium	10	10	U
3050B	02/10/06	6010B	02/21/06	7440-22-4	Silver	0.6	0.6	U
3050B	02/10/06	6010B	02/21/06	7440-28-0	Thallium	10	10	U
3050B	02/10/06	6010B	02/21/06	<del>7440-62-2</del>	<del>Vanadium</del>	0.6	64.6	
3050B	02/10/06	6010B	02/21/06	<del>7440-66-6</del>	<del>Zinc</del>	1	81	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC49-1-2

SAMPLE

Lab Sample ID: JA36G

LIMS ID: 06-1918

Matrix: Sediment

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Suburface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Percent Total Solids: 57.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/10/06	6010B	02/21/06	7440-36-0	Antimony	9	9	U
3050B	02/10/06	6010B	02/21/06	7440-38-2	Arsenic	9	10	
3050B	02/10/06	6010B	02/21/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/10/06	6010B	02/21/06	7440-47-3	Chromium	0.9	27.6	
3050B	02/10/06	6010B	02/21/06	7440-48-4	Cobalt	0.5	8.7	
3050B	02/10/06	6010B	02/21/06	7440-50-8	Copper	0.3	48.2	
3050B	02/10/06	6010B	02/21/06	7439-92-1	Lead	3	28	
CLP	02/10/06	7471A	02/17/06	7439-97-6	Mercury	0.06	0.16	
3050B	02/10/06	6010B	02/21/06	7439-98-7	Molybdenum	0.9	0.9	
3050B	02/10/06	6010B	02/21/06	7440-02-0	Nickel	2	20	
3050B	02/10/06	6010B	02/21/06	7782-49-2	Selenium	9	9	U
3050B	02/10/06	6010B	02/21/06	7440-22-4	Silver	0.5	0.5	U
3050B	02/10/06	6010B	02/21/06	7440-28-0	Thallium	9	9	U
3050B	02/10/06	6010B	02/21/06	7440-62-2	Vanadium	0.5	68.6	
3050B	02/10/06	6010B	02/21/06	7440-66-6	Zinc	1	102	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC49-2-4

SAMPLE

Lab Sample ID: JA36H

LIMS ID: 06-1919

Matrix: Sediment

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Percent Total Solids: 60.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/10/06	6010B	02/22/06	7440-36-0	Antimony	8	8	U
3050B	02/10/06	6010B	02/22/06	7440-38-2	Arsenic	8	11	
3050B	02/10/06	6010B	02/22/06	7440-43-9	Cadmium	0.3	0.7	
3050B	02/10/06	6010B	02/22/06	7440-47-3	Chromium	0.8	26.6	
3050B	02/10/06	6010B	02/22/06	7440-48-4	Cobalt	0.5	9.2	
3050B	02/10/06	6010B	02/22/06	7440-50-8	Copper	0.3	45.4	
3050B	02/10/06	6010B	02/22/06	7439-92-1	Lead	3	36	
CLP	02/10/06	7471A	02/17/06	7439-97-6	Mercury	0.07	0.17	
3050B	02/10/06	6010B	02/22/06	7439-98-7	Molybdenum	0.8	0.9	
3050B	02/10/06	6010B	02/22/06	7440-02-0	Nickel	2	19	
3050B	02/10/06	6010B	02/22/06	7782-49-2	Selenium	8	8	U
3050B	02/10/06	6010B	02/22/06	7440-22-4	Silver	0.5	0.5	U
3050B	02/10/06	6010B	02/22/06	7440-28-0	Thallium	8	8	U
3050B	02/10/06	6010B	02/22/06	7440-62-2	Vanadium	0.5	68.4	
3050B	02/10/06	6010B	02/22/06	7440-66-6	Zinc	0.9	99.3	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC50-0-1

SAMPLE

Lab Sample ID: JC42L

LIMS ID: 06-3827

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 73.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	6	6	U
3050B	03/16/06	6010B	03/20/06	<b>7440-38-2</b>	<b>Arsenic</b>	6	<b>707</b>	
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/16/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>28.5</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>5.9</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	<b>36.1</b>	
3050B	03/16/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	3	<b>47</b>	
CLP	03/16/06	7471A	03/17/06	<b>7439-97-6</b>	<b>Mercury</b>	0.05	<b>0.20</b>	
3050B	03/16/06	6010B	03/20/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.6	<b>1.5</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>17</b>	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	6	6	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	6	6	U
3050B	03/16/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>50.6</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	0.8	<b>161</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC50-1-2

SAMPLE

Lab Sample ID: JC42M

LIMS ID: 06-3828

Matrix: Sediment

Data Release Authorized: 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 75.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	7	7	U
3050B	03/16/06	6010B	03/20/06	7440-38-2	Arsenic	7	281	
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/16/06	6010B	03/20/06	7440-47-3	Chromium	0.7	24.3	
3050B	03/16/06	6010B	03/20/06	7440-48-4	Cobalt	0.4	5.6	
3050B	03/16/06	6010B	03/20/06	7440-50-8	Copper	0.3	24.4	
3050B	03/16/06	6010B	03/20/06	7439-92-1	Lead	3	22	
CLP	03/16/06	7471A	03/17/06	7439-97-6	Mercury	0.06	0.06	U
3050B	03/16/06	6010B	03/20/06	7439-98-7	Molybdenum	0.7	1.0	
3050B	03/16/06	6010B	03/20/06	7440-02-0	Nickel	1	14	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	7	7	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	7	7	U
3050B	03/16/06	6010B	03/20/06	7440-62-2	Vanadium	0.4	52.2	
3050B	03/16/06	6010B	03/20/06	7440-66-6	Zinc	0.8	124	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC50-2-2.8

SAMPLE

Lab Sample ID: JC42N

LIMS ID: 06-3829

Matrix: Sediment

Data Release Authorized: *OK*

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 77.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	6	6	U
3050B	03/16/06	6010B	03/20/06	<b>7440-38-2</b>	<b>Arsenic</b>	6	<b>161</b>	
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/16/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>21.6</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.4	<b>6.9</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	<b>24.9</b>	
3050B	03/16/06	6010B	03/20/06	<b>7439-92-1</b>	<b>Lead</b>	2	<b>11</b>	
CLP	03/16/06	7471A	03/17/06	<b>7439-97-6</b>	<b>Mercury</b>	0.05	<b>0.07</b>	
3050B	03/16/06	6010B	03/20/06	<b>7439-98-7</b>	<b>Molybdenum</b>	0.6	<b>0.7</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>32</b>	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	6	6	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	6	6	U
3050B	03/16/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.4	<b>52.4</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	<b>108</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC50-2.8-4

SAMPLE

Lab Sample ID: JC420

LIMS ID: 06-3830

Matrix: Sediment

Data Release Authorized 

Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Percent Total Solids: 82.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/20/06	7440-36-0	Antimony	6	6	U
3050B	03/16/06	6010B	03/20/06	<b>7440-38-2</b>	<b>Arsenic</b>	6	<b>21</b>	
3050B	03/16/06	6010B	03/20/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/16/06	6010B	03/20/06	<b>7440-47-3</b>	<b>Chromium</b>	0.6	<b>11.8</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.3	<b>4.9</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-50-8</b>	<b>Copper</b>	0.2	<b>9.4</b>	
3050B	03/16/06	6010B	03/20/06	7439-92-1	Lead	2	2	U
CLP	03/16/06	7471A	03/17/06	7439-97-6	Mercury	0.06	0.06	U
3050B	03/16/06	6010B	03/20/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/16/06	6010B	03/20/06	<b>7440-02-0</b>	<b>Nickel</b>	1	<b>8</b>	
3050B	03/16/06	6010B	03/20/06	7782-49-2	Selenium	6	6	U
3050B	03/16/06	6010B	03/20/06	7440-22-4	Silver	0.3	0.3	U
3050B	03/16/06	6010B	03/20/06	7440-28-0	Thallium	6	6	U
3050B	03/16/06	6010B	03/20/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.3	<b>39.9</b>	
3050B	03/16/06	6010B	03/20/06	<b>7440-66-6</b>	<b>Zinc</b>	0.7	<b>47.7</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC51-0-2  
SAMPLE

Lab Sample ID: JC21R

LIMS ID: 06-3590

Matrix: Sediment

Data Release Authorized: *JRC*

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 74.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/17/06	7440-36-0	Antimony	6	6	U
3050B	03/16/06	6010B	03/17/06	7440-38-2	Arsenic	6	25	
3050B	03/16/06	6010B	03/17/06	7440-43-9	Cadmium	0.3	0.7	
3050B	03/16/06	6010B	03/17/06	7440-47-3	Chromium	0.6	67.4	
3050B	03/16/06	6010B	03/17/06	7440-48-4	Cobalt	0.4	7.5	
3050B	03/16/06	6010B	03/17/06	7440-50-8	Copper	0.3	44.5	
3050B	03/16/06	6010B	03/17/06	7439-92-1	Lead	3	76	
CLP	03/15/06	7471A	03/17/06	7439-97-6	Mercury	0.05	0.10	
3050B	03/16/06	6010B	03/17/06	7439-98-7	Molybdenum	0.6	3.0	
3050B	03/16/06	6010B	03/17/06	7440-02-0	Nickel	1	34	
3050B	03/16/06	6010B	03/17/06	7782-49-2	Selenium	6	6	U
3050B	03/16/06	6010B	03/17/06	7440-22-4	Silver	0.4	1.1	
3050B	03/16/06	6010B	03/17/06	7440-28-0	Thallium	6	6	U
3050B	03/16/06	6010B	03/17/06	7440-62-2	Vanadium	0.4	52.5	
3050B	03/16/06	6010B	03/17/06	7440-66-6	Zinc	0.8	203	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC51-2-3.8  
SAMPLE

Lab Sample ID: JC21S

LIMS ID: 06-3591

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Percent Total Solids: 70.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/16/06	6010B	03/17/06	7440-36-0	Antimony	7	7	U
3050B	03/16/06	6010B	03/17/06	7440-38-2	Arsenic	7	55	
3050B	03/16/06	6010B	03/17/06	7440-43-9	Cadmium	0.3	1.0	
3050B	03/16/06	6010B	03/17/06	7440-47-3	Chromium	0.7	34.8	
3050B	03/16/06	6010B	03/17/06	7440-48-4	Cobalt	0.4	7.4	
3050B	03/16/06	6010B	03/17/06	7440-50-8	Copper	0.3	38.2	
3050B	03/16/06	6010B	03/17/06	7439-92-1	Lead	3	41	
CLP	03/15/06	7471A	03/17/06	7439-97-6	Mercury	0.06	0.12	
3050B	03/16/06	6010B	03/17/06	7439-98-7	Molybdenum	0.7	7.6	
3050B	03/16/06	6010B	03/17/06	7440-02-0	Nickel	1	33	
3050B	03/16/06	6010B	03/17/06	7782-49-2	Selenium	7	7	U
3050B	03/16/06	6010B	03/17/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/16/06	6010B	03/17/06	7440-28-0	Thallium	7	7	U
3050B	03/16/06	6010B	03/17/06	7440-62-2	Vanadium	0.4	60.1	
3050B	03/16/06	6010B	03/17/06	7440-66-6	Zinc	0.8	269	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

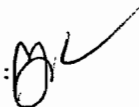
Sample ID: LDW-SC52-0-1

SAMPLE

Lab Sample ID: JA90B

LIMS ID: 06-2356

Matrix: Sediment

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JA90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Percent Total Solids: 59.8%


Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/14/06	6010B	02/21/06	7440-36-0	Antimony	8	8	U
3050B	02/14/06	6010B	02/21/06	7440-38-2	Arsenic	8	17	
3050B	02/14/06	6010B	02/21/06	7440-43-9	Cadmium	0.3	1.9	
3050B	02/14/06	6010B	02/21/06	7440-47-3	Chromium	0.8	81.3	
3050B	02/14/06	6010B	02/21/06	7440-48-4	Cobalt	0.5	7.5	
3050B	02/14/06	6010B	02/21/06	7440-50-8	Copper	0.3	101	
3050B	02/14/06	6010B	02/21/06	7439-92-1	Lead	3	222	
CLP	02/14/06	7471A	02/17/06	7439-97-6	Mercury	0.06	0.67	
3050B	02/14/06	6010B	02/21/06	7439-98-7	Molybdenum	0.8	1.8	
3050B	02/14/06	6010B	02/21/06	7440-02-0	Nickel	2	19	
3050B	02/14/06	6010B	02/21/06	7782-49-2	Selenium	8	8	U
3050B	02/14/06	6010B	02/21/06	7440-22-4	Silver	0.5	1.6	
3050B	02/14/06	6010B	02/21/06	7440-28-0	Thallium	8	8	U
3050B	02/14/06	6010B	02/21/06	7440-62-2	Vanadium	0.5	50.9	
3050B	02/14/06	6010B	02/21/06	7440-66-6	Zinc	1	200	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

TOTAL METALS  
Page 1 of 1

Sample ID: LDW-SC52-1-2  
SAMPLE

Lab Sample ID: JA90C  
LIMS ID: 06-2357  
Matrix: Sediment  
Data Release Authorized:   
Reported: 02/23/06

QC Report No: JA90-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/08/06  
Date Received: 02/08/06

Percent Total Solids: 60.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/14/06	6010B	02/21/06	7440-36-0	Antimony	8	8	U
3050B	02/14/06	6010B	02/21/06	7440-38-2	Arsenic	8	28	
3050B	02/14/06	6010B	02/21/06	7440-43-9	Cadmium	0.3	1.9	
3050B	02/14/06	6010B	02/21/06	7440-47-3	Chromium	0.8	135	
3050B	02/14/06	6010B	02/21/06	7440-48-4	Cobalt	0.5	8.2	
3050B	02/14/06	6010B	02/21/06	7440-50-8	Copper	0.3	47.6	
3050B	02/14/06	6010B	02/21/06	7439-92-1	Lead	3	36	
CLP	02/14/06	7471A	02/17/06	7439-97-6	Mercury	0.06	0.25	
3050B	02/14/06	6010B	02/21/06	7439-98-7	Molybdenum	0.8	1.9	
3050B	02/14/06	6010B	02/21/06	7440-02-0	Nickel	2	49	
3050B	02/14/06	6010B	02/21/06	7782-49-2	Selenium	8	8	U
3050B	02/14/06	6010B	02/21/06	7440-22-4	Silver	0.5	2.6	
3050B	02/14/06	6010B	02/21/06	7440-28-0	Thallium	8	8	U
3050B	02/14/06	6010B	02/21/06	7440-62-2	Vanadium	0.5	63.0	
3050B	02/14/06	6010B	02/21/06	7440-66-6	Zinc	1	104	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**  
Page 1 of 1

Sample ID: LDW-SC52-2-4  
SAMPLE

Lab Sample ID: JA90D  
LIMS ID: 06-2358  
Matrix: Sediment  
Data Release Authorized: *AK*  
Reported: 02/23/06

QC Report No: JA90-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/08/06  
Date Received: 02/08/06

Percent Total Solids: 78.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/14/06	6010B	02/21/06	7440-36-0	Antimony	6	6	U
3050B	02/14/06	6010B	02/21/06	7440-38-2	Arsenic	6	6	U
3050B	02/14/06	6010B	02/21/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	02/14/06	6010B	02/21/06	7440-47-3	Chromium	0.6	10.3	
3050B	02/14/06	6010B	02/21/06	7440-48-4	Cobalt	0.4	3.3	
3050B	02/14/06	6010B	02/21/06	7440-50-8	Copper	0.2	9.7	
3050B	02/14/06	6010B	02/21/06	7439-92-1	Lead	2	2	U
CLP	02/14/06	7471A	02/17/06	7439-97-6	Mercury	0.04	0.17	
3050B	02/14/06	6010B	02/21/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	02/14/06	6010B	02/21/06	7440-02-0	Nickel	1	7	
3050B	02/14/06	6010B	02/21/06	7782-49-2	Selenium	6	6	U
3050B	02/14/06	6010B	02/21/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/14/06	6010B	02/21/06	7440-28-0	Thallium	6	6	U
3050B	02/14/06	6010B	02/21/06	7440-62-2	Vanadium	0.4	38.3	
3050B	02/14/06	6010B	02/21/06	7440-66-6	Zinc	0.7	21.1	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC53-0-2  
SAMPLE

Lab Sample ID: JA64A

LIMS ID: 06-2143

Matrix: Sediment

Data Release Authorized: 

Reported: 02/22/06

QC Report No: JA64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistr

05-08-06-32

Date Sampled: 02/07/06

Date Received: 02/07/06

Percent Total Solids: 46.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/10/06	6010B	02/21/06	7440-36-0	Antimony	10	10	U
3050B	02/10/06	6010B	02/21/06	7440-38-2	Arsenic	10	20	
3050B	02/10/06	6010B	02/21/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	02/10/06	6010B	02/21/06	7440-47-3	Chromium	1	34	
3050B	02/10/06	6010B	02/21/06	7440-48-4	Cobalt	0.6	10.3	
3050B	02/10/06	6010B	02/21/06	7440-50-8	Copper	0.4	62.9	
3050B	02/10/06	6010B	02/21/06	7439-92-1	Lead	4	28	
CLP	02/10/06	7471A	02/17/06	7439-97-6	Mercury	0.07	0.15	
3050B	02/10/06	6010B	02/21/06	7439-98-7	Molybdenum	1	1	U
3050B	02/10/06	6010B	02/21/06	7440-02-0	Nickel	2	26	
3050B	02/10/06	6010B	02/21/06	7782-49-2	Selenium	10	10	U
3050B	02/10/06	6010B	02/21/06	7440-22-4	Silver	0.6	0.6	U
3050B	02/10/06	6010B	02/21/06	7440-28-0	Thallium	10	10	U
3050B	02/10/06	6010B	02/21/06	7440-62-2	Vanadium	0.6	81.3	
3050B	02/10/06	6010B	02/21/06	7440-66-6	Zinc	1	118	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC53-0-2

DUPLICATE

Lab Sample ID: JA64A

LIMS ID: 06-2143

Matrix: Sediment

Data Release Authorized: 

Reported: 02/22/06

QC Report No: JA64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistr

05-08-06-32

Date Sampled: 02/07/06

Date Received: 02/07/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	10 U	10 U	0.0%	+/- 10	L
Arsenic	6010B	20	20	0.0%	+/- 10	L
Cadmium	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Chromium	6010B	34	33	3.0%	+/- 20%	
Cobalt	6010B	10.3	10.1	2.0%	+/- 20%	
Copper	6010B	62.9	61.5	2.3%	+/- 20%	
Lead	6010B	28	28	0.0%	+/- 20%	
Mercury	7471A	0.15	0.16	6.5%	+/- 0.07	L
Molybdenum	6010B	1 U	1 U	0.0%	+/- 1	L
Nickel	6010B	26	25	3.9%	+/- 20%	
Selenium	6010B	10 U	10 U	0.0%	+/- 10	L
Silver	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Thallium	6010B	10 U	10 U	0.0%	+/- 10	L
Vanadium	6010B	81.3	79.7	2.0%	+/- 20%	
Zinc	6010B	118	126	6.6%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

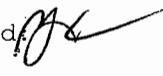
Sample ID: LDW-SC53-2-4

**SAMPLE**

Lab Sample ID: JA64B

LIMS ID: 06-2144

Matrix: Sediment

Data Release Authorized: 

Reported: 02/22/06

QC Report No: JA64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistr

05-08-06-32

Date Sampled: 02/07/06

Date Received: 02/07/06

Percent Total Solids: 48.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/10/06	6010B	02/21/06	7440-36-0	Antimony	10	10	U
3050B	02/10/06	6010B	02/21/06	7440-38-2	Arsenic	10	20	
3050B	02/10/06	6010B	02/21/06	7440-43-9	Cadmium	0.4	0.5	
3050B	02/10/06	6010B	02/21/06	7440-47-3	Chromium	1	32	
3050B	02/10/06	6010B	02/21/06	7440-48-4	Cobalt	0.6	9.9	
3050B	02/10/06	6010B	02/21/06	7440-50-8	Copper	0.4	71.2	
3050B	02/10/06	6010B	02/21/06	7439-92-1	Lead	4	41	
CLP	02/10/06	7471A	02/17/06	7439-97-6	Mercury	0.09	0.18	
3050B	02/10/06	6010B	02/21/06	7439-98-7	Molybdenum	1	1	U
3050B	02/10/06	6010B	02/21/06	7440-02-0	Nickel	2	24	
3050B	02/10/06	6010B	02/21/06	7782-49-2	Selenium	10	10	U
3050B	02/10/06	6010B	02/21/06	7440-22-4	Silver	0.6	0.6	U
3050B	02/10/06	6010B	02/21/06	7440-28-0	Thallium	10	10	U
3050B	02/10/06	6010B	02/21/06	7440-62-2	Vanadium	0.6	77.6	
3050B	02/10/06	6010B	02/21/06	7440-66-6	Zinc	1	141	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC54-0-2  
SAMPLE

Lab Sample ID: JC32R

LIMS ID: 06-3698

Matrix: Sediment

Data Release Authorized: 

Reported: 03/17/06

QC Report No: JC32-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/23/06

Date Received: 02/23/06

Percent Total Solids: 53.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	9	9	U
3050B	03/15/06	6010B	03/15/06	<b>7440-38-2</b>	<b>Arsenic</b>	9	12	
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/15/06	6010B	03/15/06	<b>7440-47-3</b>	<b>Chromium</b>	0.9	<b>23.8</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.5	<b>8.5</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-50-8</b>	<b>Copper</b>	0.4	<b>36.5</b>	
3050B	03/15/06	6010B	03/15/06	<b>7439-92-1</b>	<b>Lead</b>	4	17	
CLP	03/13/06	7471A	03/14/06	<b>7439-97-6</b>	<b>Mercury</b>	0.06	<b>0.10</b>	
3050B	03/15/06	6010B	03/15/06	7439-98-7	Molybdenum	0.9	0.9	U
3050B	03/15/06	6010B	03/15/06	<b>7440-02-0</b>	<b>Nickel</b>	2	<b>18</b>	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	9	9	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	9	9	U
3050B	03/15/06	6010B	03/15/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.5	<b>61.0</b>	
3050B	03/15/06	6010B	03/15/06	<b>7440-66-6</b>	<b>Zinc</b>	1	<b>81</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC54-2-4  
SAMPLE

Lab Sample ID: JC32S

LIMS ID: 06-3699

Matrix: Sediment

Data Release Authorized: 

Reported: 03/17/06

QC Report No: JC32-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/23/06

Date Received: 02/23/06

Percent Total Solids: 54.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/15/06	6010B	03/15/06	7440-36-0	Antimony	8	8	U
3050B	03/15/06	6010B	03/15/06	<del>7440-38-2</del>	<del>Arsenic</del>	8	11	
3050B	03/15/06	6010B	03/15/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/15/06	6010B	03/15/06	<del>7440-47-3</del>	<del>Chromium</del>	0.8	24.4	
3050B	03/15/06	6010B	03/15/06	<del>7440-48-4</del>	<del>Cobalt</del>	0.5	8.5	
3050B	03/15/06	6010B	03/15/06	<del>7440-50-8</del>	<del>Copper</del>	0.3	35.9	
3050B	03/15/06	6010B	03/15/06	<del>7439-92-1</del>	<del>Lead</del>	3	18	
CLP	03/13/06	7471A	03/14/06	<del>7439-97-6</del>	<del>Mercury</del>	0.08	0.13	
3050B	03/15/06	6010B	03/15/06	<del>7439-98-7</del>	<del>Molybdenum</del>	0.8	1.2	
3050B	03/15/06	6010B	03/15/06	<del>7440-02-0</del>	<del>Nickel</del>	2	20	
3050B	03/15/06	6010B	03/15/06	7782-49-2	Selenium	8	8	U
3050B	03/15/06	6010B	03/15/06	7440-22-4	Silver	0.5	0.5	U
3050B	03/15/06	6010B	03/15/06	7440-28-0	Thallium	8	8	U
3050B	03/15/06	6010B	03/15/06	<del>7440-62-2</del>	<del>Vanadium</del>	0.5	62.7	
3050B	03/15/06	6010B	03/15/06	<del>7440-66-6</del>	<del>Zinc</del>	1	80	

U-Analyte undetected at given RL

RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

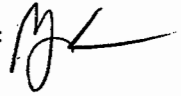
Sample ID: LDW-SC55-0-1

SAMPLE

Lab Sample ID: JA36A

LIMS ID: 06-1912

Matrix: Sediment

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Percent Total Solids: 61.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/10/06	6010B	02/21/06	7440-36-0	Antimony	8	8	U
3050B	02/10/06	6010B	02/21/06	<b>7440-38-2</b>	<b>Arsenic</b>	8	10	
3050B	02/10/06	6010B	02/21/06	<b>7440-43-9</b>	<b>Cadmium</b>	0.3	0.4	
3050B	02/10/06	6010B	02/21/06	<b>7440-47-3</b>	<b>Chromium</b>	0.8	19.8	
3050B	02/10/06	6010B	02/21/06	<b>7440-48-4</b>	<b>Cobalt</b>	0.5	7.2	
3050B	02/10/06	6010B	02/21/06	<b>7440-50-8</b>	<b>Copper</b>	0.3	25.2	
3050B	02/10/06	6010B	02/21/06	<b>7439-92-1</b>	<b>Lead</b>	3	10	
CLP	02/10/06	7471A	02/17/06	<b>7439-97-6</b>	<b>Mercury</b>	0.06	0.08	
3050B	02/10/06	6010B	02/21/06	7439-98-7	Molybdenum	0.8	0.8	U
3050B	02/10/06	6010B	02/21/06	<b>7440-02-0</b>	<b>Nickel</b>	2	15	
3050B	02/10/06	6010B	02/21/06	7782-49-2	Selenium	8	8	U
3050B	02/10/06	6010B	02/21/06	7440-22-4	Silver	0.5	0.5	U
3050B	02/10/06	6010B	02/21/06	7440-28-0	Thallium	8	8	U
3050B	02/10/06	6010B	02/21/06	<b>7440-62-2</b>	<b>Vanadium</b>	0.5	54.6	
3050B	02/10/06	6010B	02/21/06	<b>7440-66-6</b>	<b>Zinc</b>	0.9	54.0	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**  
**TOTAL METALS**  
Page 1 of 1

Sample ID: LDW-SC55-0-1  
DUPLICATE

Lab Sample ID: JA36A  
LIMS ID: 06-1912  
Matrix: Sediment  
Data Release Authorized  
Reported: 02/23/06

QC Report No: JA36-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chemistry  
05-08-06-32  
Date Sampled: 02/06/06  
Date Received: 02/06/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	8 U	8 U	0.0%	+/- 8	L
Arsenic	6010B	10	10	0.0%	+/- 8	L
Cadmium	6010B	0.4	0.4	0.0%	+/- 0.3	L
Chromium	6010B	19.8	20.1	1.5%	+/- 20%	
Cobalt	6010B	7.2	7.2	0.0%	+/- 20%	
Copper	6010B	25.2	25.4	0.8%	+/- 20%	
Lead	6010B	10	9	10.5%	+/- 3	L
Mercury	7471A	0.08	0.09	11.8%	+/- 0.06	L
Molybdenum	6010B	0.8 U	0.8 U	0.0%	+/- 0.8	L
Nickel	6010B	15	15	0.0%	+/- 20%	
Selenium	6010B	8 U	8 U	0.0%	+/- 8	L
Silver	6010B	0.5 U	0.5 U	0.0%	+/- 0.5	L
Thallium	6010B	8 U	8 U	0.0%	+/- 8	L
Vanadium	6010B	54.6	55.6	1.8%	+/- 20%	
Zinc	6010B	54.0	54.8	1.5%	+/- 20%	

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC55-1-2

SAMPLE

Lab Sample ID: JA36B

LIMS ID: 06-1913

Matrix: Sediment

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Percent Total Solids: 75.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/10/06	6010B	02/21/06	7440-36-0	Antimony	6	6	U
3050B	02/10/06	6010B	02/21/06	7440-38-2	Arsenic	6	6	U
3050B	02/10/06	6010B	02/21/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/10/06	6010B	02/21/06	7440-47-3	Chromium	0.6	13.6	
3050B	02/10/06	6010B	02/21/06	7440-48-4	Cobalt	0.4	5.2	
3050B	02/10/06	6010B	02/21/06	7440-50-8	Copper	0.3	16.2	
3050B	02/10/06	6010B	02/21/06	7439-92-1	Lead	3	3	
CLP	02/10/06	7471A	02/17/06	7439-97-6	Mercury	0.05	0.13	
3050B	02/10/06	6010B	02/21/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	02/10/06	6010B	02/21/06	7440-02-0	Nickel	1	11	
3050B	02/10/06	6010B	02/21/06	7782-49-2	Selenium	6	6	U
3050B	02/10/06	6010B	02/21/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/10/06	6010B	02/21/06	7440-28-0	Thallium	6	6	U
3050B	02/10/06	6010B	02/21/06	7440-62-2	Vanadium	0.4	50.5	
3050B	02/10/06	6010B	02/21/06	7440-66-6	Zinc	0.8	31.8	

U-Analyte undetected at given RL  
RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC55-2-3

**SAMPLE**

Lab Sample ID: JA36C

LIMS ID: 06-1914

Matrix: Sediment

Data Release Authorized: *JK*

Reported: 02/23/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Percent Total Solids: 78.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/10/06	6010B	02/21/06	7440-36-0	Antimony	6	6	U
3050B	02/10/06	6010B	02/21/06	7440-38-2	Arsenic	6	6	U
3050B	02/10/06	6010B	02/21/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	02/10/06	6010B	02/21/06	7440-47-3	Chromium	0.6	14.3	
3050B	02/10/06	6010B	02/21/06	7440-48-4	Cobalt	0.4	3.9	
3050B	02/10/06	6010B	02/21/06	7440-50-8	Copper	0.2	19.3	
3050B	02/10/06	6010B	02/21/06	7439-92-1	Lead	2	3	
CLP	02/10/06	7471A	02/17/06	7439-97-6	Mercury	0.05	0.05	U
3050B	02/10/06	6010B	02/21/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	02/10/06	6010B	02/21/06	7440-02-0	Nickel	1	9	
3050B	02/10/06	6010B	02/21/06	7782-49-2	Selenium	6	6	U
3050B	02/10/06	6010B	02/21/06	7440-22-4	Silver	0.4	0.4	U
3050B	02/10/06	6010B	02/21/06	7440-28-0	Thallium	6	6	U
3050B	02/10/06	6010B	02/21/06	7440-62-2	Vanadium	0.4	47.0	
3050B	02/10/06	6010B	02/21/06	7440-66-6	Zinc	0.7	30.1	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC56-0-2

SAMPLE

Lab Sample ID: JB90A

LIMS ID: 06-3301

Matrix: Sediment

Data Release Authorized

Reported: 03/06/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/07/06

Date Received: 02/07/06

Percent Total Solids: 80.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/02/06	7440-36-0	Antimony	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-38-2	Arsenic	6	7	
3050B	03/01/06	6010B	03/02/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/01/06	6010B	03/02/06	7440-47-3	Chromium	0.6	16.6	
3050B	03/01/06	6010B	03/02/06	7440-48-4	Cobalt	0.4	5.3	
3050B	03/01/06	6010B	03/02/06	7440-50-8	Copper	0.2	22.6	
3050B	03/01/06	6010B	03/02/06	7439-92-1	Lead	2	40	
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.05	0.05	
3050B	03/01/06	6010B	03/02/06	7439-98-7	Molybdenum	0.6	0.6	
3050B	03/01/06	6010B	03/02/06	7440-02-0	Nickel	1	12	
3050B	03/01/06	6010B	03/02/06	7782-49-2	Selenium	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-22-4	Silver	0.4	0.4	U
3050B	03/01/06	6010B	03/02/06	7440-28-0	Thallium	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-62-2	Vanadium	0.4	51.0	
3050B	03/01/06	6010B	03/02/06	7440-66-6	Zinc	0.7	75.4	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC56-0-2

DUPLICATE

Lab Sample ID: JB90A  
LIMS ID: 06-3301  
Matrix: Sediment  
Data Release Authorized  
Reported: 03/06/06

QC Report No: JB90-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/07/06  
Date Received: 02/07/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	6 U	6 U	0.0%	+/- 6	L
Arsenic	6010B	7	6	15.4%	+/- 6	L
Cadmium	6010B	0.2 U	0.2 U	0.0%	+/- 0.2	L
Chromium	6010B	16.6	15.5	6.9%	+/- 20%	
Cobalt	6010B	5.3	5.3	0.0%	+/- 20%	
Copper	6010B	22.6	20.9	7.8%	+/- 20%	
Lead	6010B	40	33	19.2%	+/- 20%	
Mercury	7471A	0.05	0.05	0.0%	+/- 0.05	L
Molybdenum	6010B	0.6	0.6	0.0%	+/- 0.6	L
Nickel	6010B	12	11	8.7%	+/- 20%	
Selenium	6010B	6 U	6 U	0.0%	+/- 6	L
Silver	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Thallium	6010B	6 U	6 U	0.0%	+/- 6	L
Vanadium	6010B	51.0	49.2	3.6%	+/- 20%	
Zinc	6010B	75.4	61.6	20.1%	+/- 20%	*

Reported in mg/kg-dry

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC56-2-4

SAMPLE

Lab Sample ID: JB90B

LIMS ID: 06-3302

Matrix: Sediment

Data Release Authorized: 

Reported: 03/06/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/07/06

Date Received: 02/07/06

Percent Total Solids: 82.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/01/06	6010B	03/02/06	7440-36-0	Antimony	6	6	U
3050B	03/01/06	6010B	03/02/06	<del>7440-38-2</del>	Arsenic	6	6	
3050B	03/01/06	6010B	03/02/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/01/06	6010B	03/02/06	<del>7440-47-3</del>	Chromium	0.6	11.6	
3050B	03/01/06	6010B	03/02/06	<del>7440-48-4</del>	Cobalt	0.3	5.3	
3050B	03/01/06	6010B	03/02/06	<del>7440-50-8</del>	Copper	0.2	11.8	
3050B	03/01/06	6010B	03/02/06	7439-92-1	Lead	2	2	U
CLP	02/27/06	7471A	02/28/06	7439-97-6	Mercury	0.05	0.05	U
3050B	03/01/06	6010B	03/02/06	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/01/06	6010B	03/02/06	<del>7440-02-0</del>	Nickel	1	10	
3050B	03/01/06	6010B	03/02/06	7782-49-2	Selenium	6	6	U
3050B	03/01/06	6010B	03/02/06	7440-22-4	Silver	0.3	0.3	U
3050B	03/01/06	6010B	03/02/06	7440-28-0	Thallium	6	6	U
3050B	03/01/06	6010B	03/02/06	<del>7440-62-2</del>	Vanadium	0.3	47.8	
3050B	03/01/06	6010B	03/02/06	<del>7440-66-6</del>	Zinc	0.7	29.9	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC-RB1  
SAMPLE

Lab Sample ID: JA90A

LIMS ID: 06-2355

Matrix: Water

Data Release Authorized 

Reported: 02/23/06

QC Report No: JA90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	02/13/06	6010B	02/21/06	7440-36-0	Antimony	0.05	0.05	U
3010A	02/13/06	6010B	02/21/06	7440-38-2	Arsenic	0.05	0.05	U
3010A	02/13/06	6010B	02/21/06	7440-43-9	Cadmium	0.002	0.002	U
3010A	02/13/06	6010B	02/21/06	7440-47-3	Chromium	0.005	0.005	U
3010A	02/13/06	6010B	02/21/06	7440-48-4	Cobalt	0.003	0.003	U
3010A	02/13/06	6010B	02/21/06	7440-50-8	Copper	0.002	0.002	U
3010A	02/13/06	6010B	02/21/06	7439-92-1	Lead	0.02	0.02	U
7470A	02/13/06	7470A	02/16/06	7439-97-6	Mercury	0.0001	0.0001	U
3010A	02/13/06	6010B	02/21/06	7439-98-7	Molybdenum	0.005	0.005	U
3010A	02/13/06	6010B	02/21/06	7440-02-0	Nickel	0.01	0.01	U
3010A	02/13/06	6010B	02/21/06	7782-49-2	Selenium	0.05	0.05	U
3010A	02/13/06	6010B	02/21/06	7440-22-4	Silver	0.003	0.003	U
3010A	02/13/06	6010B	02/21/06	7440-28-0	Thallium	0.05	0.05	U
3010A	02/13/06	6010B	02/21/06	7440-62-2	Vanadium	0.003	0.003	U
3010A	02/13/06	6010B	02/21/06	7440-66-6	Zinc	0.006	0.007	U

U-Analyte undetected at given RL  
RL-Reporting Limit



**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**


Page 1 of 1

Sample ID: LDW-SC-RB1  
DUPLICATE

Lab Sample ID: JA90A

LIMS ID: 06-2355

Matrix: Water

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JA90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Arsenic	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Cadmium	6010B	0.002 U	0.002 U	0.0%	+/- 0.002	L
Chromium	6010B	0.005 U	0.005 U	0.0%	+/- 0.005	L
Cobalt	6010B	0.003 U	0.003 U	0.0%	+/- 0.003	L
Copper	6010B	0.002 U	0.002 U	0.0%	+/- 0.002	L
Lead	6010B	0.02 U	0.02 U	0.0%	+/- 0.02	L
Mercury	7470A	0.0001 U	0.0001 U	0.0%	+/- 0.0001	L
Molybdenum	6010B	0.005 U	0.005 U	0.0%	+/- 0.005	L
Nickel	6010B	0.01 U	0.01 U	0.0%	+/- 0.01	L
Selenium	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Silver	6010B	0.003 U	0.003 U	0.0%	+/- 0.003	L
Thallium	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Vanadium	6010B	0.003 U	0.003 U	0.0%	+/- 0.003	L
Zinc	6010B	0.007	0.010	35.3%	+/- 0.006	L

Reported in mg/L

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC-RB2

SAMPLE

Lab Sample ID: JB46L

LIMS ID: 06-2927

Matrix: Water

Data Release Authorized *[Signature]*

Reported: 03/02/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	02/20/06	6010B	03/01/06	7440-36-0	Antimony	0.05	0.05	U
3010A	02/20/06	6010B	03/01/06	7440-38-2	Arsenic	0.05	0.05	U
3010A	02/20/06	6010B	03/01/06	7440-43-9	Cadmium	0.002	0.002	U
3010A	02/20/06	6010B	03/01/06	7440-47-3	Chromium	0.005	0.005	U
3010A	02/20/06	6010B	03/01/06	7440-48-4	Cobalt	0.003	0.003	U
3010A	02/20/06	6010B	03/01/06	<b>7440-50-8</b>	<b>Copper</b>	0.002	<b>0.004</b>	
3010A	02/20/06	6010B	03/01/06	7439-92-1	Lead	0.02	0.02	U
7470A	02/17/06	7470A	02/17/06	7439-97-6	Mercury	0.0001	0.0001	U
3010A	02/20/06	6010B	03/01/06	7439-98-7	Molybdenum	0.005	0.005	U
3010A	02/20/06	6010B	03/01/06	7440-02-0	Nickel	0.01	0.01	U
3010A	02/20/06	6010B	03/01/06	7782-49-2	Selenium	0.05	0.05	U
3010A	02/20/06	6010B	03/01/06	7440-22-4	Silver	0.003	0.003	U
3010A	02/20/06	6010B	03/01/06	7440-28-0	Thallium	0.05	0.05	U
3010A	02/20/06	6010B	03/01/06	7440-62-2	Vanadium	0.003	0.003	U
3010A	02/20/06	6010B	03/01/06	<b>7440-66-6</b>	<b>Zinc</b>	0.006	<b>0.012</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC-RB2

DUPLICATE

Lab Sample ID: JB46L

LIMS ID: 06-2927

Matrix: Water

Data Release Authorized: 

Reported: 03/02/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Arsenic	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Cadmium	6010B	0.002 U	0.002 U	0.0%	+/- 0.002	L
Chromium	6010B	0.005 U	0.005 U	0.0%	+/- 0.005	L
Cobalt	6010B	0.003 U	0.003 U	0.0%	+/- 0.003	L
Copper	6010B	0.004	0.004	0.0%	+/- 0.002	L
Lead	6010B	0.02 U	0.02 U	0.0%	+/- 0.02	L
Mercury	7470A	0.0001 U	0.0001 U	0.0%	+/- 0.0001	L
Molybdenum	6010B	0.005 U	0.005 U	0.0%	+/- 0.005	L
Nickel	6010B	0.01 U	0.01 U	0.0%	+/- 0.01	L
Selenium	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Silver	6010B	0.003 U	0.003 U	0.0%	+/- 0.003	L
Thallium	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Vanadium	6010B	0.003 U	0.003 U	0.0%	+/- 0.003	L
Zinc	6010B	0.012	0.009	28.6%	+/- 0.006	L

Reported in mg/L

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1


Sample ID: LDW-SC-RB3

SAMPLE

Lab Sample ID: JC21A

LIMS ID: 06-3573

Matrix: Water

Data Release Authorized: 

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	03/02/06	6010B	03/17/06	7440-36-0	Antimony	0.05	0.05	U
3010A	03/02/06	6010B	03/17/06	7440-38-2	Arsenic	0.05	0.05	U
3010A	03/02/06	6010B	03/17/06	7440-43-9	Cadmium	0.002	0.002	U
3010A	03/02/06	6010B	03/17/06	7440-47-3	Chromium	0.005	0.005	U
3010A	03/02/06	6010B	03/17/06	7440-48-4	Cobalt	0.003	0.003	U
3010A	03/02/06	6010B	03/17/06	<b>7440-50-8</b>	<b>Copper</b>	0.002	<b>0.003</b>	
3010A	03/02/06	6010B	03/17/06	7439-92-1	Lead	0.02	0.02	U
7470A	03/01/06	7470A	03/03/06	7439-97-6	Mercury	0.0001	0.0001	U
3010A	03/02/06	6010B	03/17/06	7439-98-7	Molybdenum	0.005	0.005	U
3010A	03/02/06	6010B	03/17/06	7440-02-0	Nickel	0.01	0.01	U
3010A	03/02/06	6010B	03/17/06	7782-49-2	Selenium	0.05	0.05	U
3010A	03/02/06	6010B	03/17/06	7440-22-4	Silver	0.003	0.003	U
3010A	03/02/06	6010B	03/17/06	7440-28-0	Thallium	0.05	0.05	U
3010A	03/02/06	6010B	03/17/06	7440-62-2	Vanadium	0.003	0.003	U
3010A	03/02/06	6010B	03/17/06	<b>7440-66-6</b>	<b>Zinc</b>	0.006	<b>0.010</b>	

U-Analyte undetected at given RL

RL-Reporting Limit

**INORGANICS ANALYSIS DATA SHEET**

**TOTAL METALS**

Page 1 of 1

Sample ID: LDW-SC-RB3  
DUPLICATE

Lab Sample ID: JC21A

LIMS ID: 06-3573

Matrix: Water

Data Release Authorized: *[Signature]*

Reported: 03/21/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

**MATRIX DUPLICATE QUALITY CONTROL REPORT**

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Arsenic	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Cadmium	6010B	0.002 U	0.002 U	0.0%	+/- 0.002	L
Chromium	6010B	0.005 U	0.005 U	0.0%	+/- 0.005	L
Cobalt	6010B	0.003 U	0.003 U	0.0%	+/- 0.003	L
Copper	6010B	0.003	0.003	0.0%	+/- 0.002	L
Lead	6010B	0.02 U	0.02 U	0.0%	+/- 0.02	L
Mercury	7470A	0.0001 U	0.0001 U	0.0%	+/- 0.0001	L
Molybdenum	6010B	0.005 U	0.005 U	0.0%	+/- 0.005	L
Nickel	6010B	0.01 U	0.01 U	0.0%	+/- 0.01	L
Selenium	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Silver	6010B	0.003 U	0.003 U	0.0%	+/- 0.003	L
Thallium	6010B	0.05 U	0.05 U	0.0%	+/- 0.05	L
Vanadium	6010B	0.003 U	0.003 U	0.0%	+/- 0.003	L
Zinc	6010B	0.010	0.009	10.5%	+/- 0.006	L

Reported in mg/L

\*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit


## E-2 Organometals

---

**ORGANICS ANALYSIS DATA SHEET**

**Tributyl Tins by Krone 1988 SIM GC/MS**  
Page 1 of 1

Sample ID: LDW-SC1-0-2  
SAMPLE

Lab Sample ID: JB90F  
LIMS ID: 06-3306  
Matrix: Sediment  
Data Release Authorized:   
Reported: 02/24/06

QC Report No: JB90-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

Date Extracted: 02/21/06  
Date Analyzed: 02/22/06 15:11  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.13 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 48.9%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	64	
DBT_ION	Dibutyl Tin Ion	5.6	34	
BT_ION	Butyl Tin Ion	4.0	10	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	59.9%
Tripropyl Tin Chloride	99.9%

**ORGANICS ANALYSIS DATA SHEET**

**Tributyl Tins by Krone 1988 SIM GC/MS**

Page 1 of 1


Sample ID: LDW-SC1-2-4

**SAMPLE**

Lab Sample ID: JB90G

LIMS ID: 06-3307

Matrix: Sediment

Data Release Authorized: 

Reported: 02/24/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 02/21/06

Date Analyzed: 02/22/06 15:29

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.13 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 32.0%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	< 3.8	U
DBT_ION	Dibutyl Tin Ion	5.6	< 5.6	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	68.6%
Tripentyl Tin Chloride	90.2%



**ORGANICS ANALYSIS DATA SHEET**

**Tributyl Tins by Krone 1988 SIM GC/MS**

Page 1 of 1

Sample ID: LDW-SC3-0-2

SAMPLE

Lab Sample ID: JB00S

LIMS ID: 06-2478

Matrix: Sediment

Data Release Authorized:

Reported: 02/24/06

QC Report No: JB00-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 02/21/06

Date Analyzed: 02/22/06 10:51

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.25 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 30.5%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	< 3.7	U
DBT_ION	Dibutyl Tin Ion	5.5	< 5.5	U
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	63.5%
Tripenyl Tin Chloride	69.8%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC3-2-4

SAMPLE

Lab Sample ID: JB00T

LIMS ID: 06-2479

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/24/06

QC Report No: JB00-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 02/21/06

Date Analyzed: 02/22/06 11:55

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.12 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 27.7%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	< 3.8	U
DBT_ION	Dibutyl Tin Ion	5.6	< 5.6	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	63.5%
Tripentyl Tin Chloride	72.4%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1


Sample ID: LDW-SC4-0-1

SAMPLE

Lab Sample ID: JB01P

LIMS ID: 06-2497

Matrix: Sediment

Data Release Authorized: 

Reported: 02/24/06

QC Report No: JB01-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 02/21/06

Date Analyzed: 02/22/06 12:14

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.21 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 30.7%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	190	
DBT_ION	Dibutyl Tin Ion	5.5	18	
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	58.4%
Tripropyl Tin Chloride	64.3%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC4-1-2  
SAMPLE

Lab Sample ID: JB01Q  
LIMS ID: 06-2498  
Matrix: Sediment  
Data Release Authorized:  
Reported: 02/24/06

QC Report No: JB01-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

Date Extracted: 02/21/06  
Date Analyzed: 02/22/06 12:33  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.10 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 36.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	190	
DBT_ION	Dibutyl Tin Ion	5.7	31	
BT_ION	Butyl Tin Ion	4.0	6.1	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	51.0%
Tripropyl Tin Chloride	63.6%

**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

Sample ID: LDW-SC4-2-4  
**SAMPLE**

Lab Sample ID: JB01R  
 LIMS ID: 06-2499  
 Matrix: Sediment  
 Data Release Authorized: *AS*  
 Reported: 02/24/06

QC Report No: JB01-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/09/06  
 Date Received: 02/09/06

Date Extracted: 02/21/06  
 Date Analyzed: 02/22/06 12:52  
 Instrument/Analyst: NT1/VTS  
 Silica Gel Cleanup: No

Sample Amount: 7.82 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 1.00  
 Alumina Cleanup: Yes  
 Moisture: 29.4%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	2.5	10	M
DBT_ION	Dibutyl Tin Ion	3.7	< 3.7	U
BT_ION	Butyl Tin Ion	2.6	< 2.6	U


Reported in µg/kg (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	54.6%
Tripropyl Tin Chloride	63.2%

**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

Sample ID: LDW-SC7-0-1  
**SAMPLE**

Lab Sample ID: JB20AB  
 LIMS ID: 06-2600  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 02/24/06

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/21/06  
 Date Analyzed: 02/22/06 13:10  
 Instrument/Analyst: NT1/VTS  
 Silica Gel Cleanup: No

Sample Amount: 5.25 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 1.00  
 Alumina Cleanup: Yes  
 Moisture: 38.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	91	
DBT_ION	Dibutyl Tin Ion	5.5	19	
BT_ION	Butyl Tin Ion	3.9	6.1	


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	60.7%
Tripentyl Tin Chloride	72.2%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC7-1-1.7  
SAMPLE

Lab Sample ID: JB20AC  
LIMS ID: 06-2601  
Matrix: Sediment  
Data Release Authorized:   
Reported: 02/24/06

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/10/06  
Date Received: 02/10/06

Date Extracted: 02/21/06  
Date Analyzed: 02/22/06 13:29  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.37 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 24.1%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.6	21	M
DBT_ION	Dibutyl Tin Ion	5.4	< 5.4	U
BT_ION	Butyl Tin Ion	3.8	< 3.8	U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	64.2%
Triphenyl Tin Chloride	80.5%

**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

Sample ID: LDW-SC7-1.7-4  
**SAMPLE**

Lab Sample ID: JB20AD  
 LIMS ID: 06-2602  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 02/24/06

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/21/06  
 Date Analyzed: 02/22/06 13:48  
 Instrument/Analyst: NT1/VTS  
 Silica Gel Cleanup: No

Sample Amount: 5.37 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 1.00  
 Alumina Cleanup: Yes  
 Moisture: 18.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.6	< 3.6	U
DBT_ION	Dibutyl Tin Ion	5.4	< 5.4	U
BT_ION	Butyl Tin Ion	3.8	< 3.8	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**TBT Surrogate Recovery**

Tripropyl Tin Chloride	57.9%
Tripentyl Tin Chloride	76.3%



ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC12-0-2  
SAMPLE

Lab Sample ID: JB82S  
LIMS ID: 06-3268  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/01/06

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 19:31  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.21 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 48.1%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	140	
DBT_ION	Dibutyl Tin Ion	5.5	15	
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	60.6%
Tripropyl Tin Chloride	86.3%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC12-2-4

SAMPLE

Lab Sample ID: JB82T

LIMS ID: 06-3269

Matrix: Sediment

Data Release Authorized: *M*

Reported: 03/01/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Date Extracted: 02/27/06

Date Analyzed: 02/28/06 19:51

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.09 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 46.6%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	15	
DBT_ION	Dibutyl Tin Ion	5.7	< 5.7	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	53.4%
Tripropyl Tin Chloride	81.7%

**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

Sample ID: LDW-SC14-0-1.4  
**SAMPLE**

Lab Sample ID: JB31H  
 LIMS ID: 06-2832  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 02/24/06

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/13/06  
 Date Received: 02/13/06

Date Extracted: 02/21/06  
 Date Analyzed: 02/22/06 14:07  
 Instrument/Analyst: NT1/VTS  
 Silica Gel Cleanup: No

Sample Amount: 5.16 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 1.00  
 Alumina Cleanup: Yes  
 Moisture: 43.0%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	67	
DBT_ION	Dibutyl Tin Ion	5.6	11	
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	54.1%
Triphenyl Tin Chloride	90.2%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC14-1.4-2

**SAMPLE**

Lab Sample ID: JB31I

LIMS ID: 06-2833

Matrix: Sediment

Data Release Authorized: *A*

Reported: 02/24/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Date Extracted: 02/21/06

Date Analyzed: 02/22/06 14:26

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.16 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 46.0%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	< 3.7	U
DBT_ION	Dibutyl Tin Ion	5.6	< 5.6	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	55.3%
Tripentyl Tin Chloride	93.6%

**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

Sample ID: LDW-SC14-2-4.1  
**SAMPLE**

Lab Sample ID: JB31J  
 LIMS ID: 06-2834  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 02/24/06

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/13/06  
 Date Received: 02/13/06

Date Extracted: 02/21/06  
 Date Analyzed: 02/22/06 14:52  
 Instrument/Analyst: NT1/VTS  
 Silica Gel Cleanup: No

Sample Amount: 5.10 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 1.00  
 Alumina Cleanup: Yes  
 Moisture: 49.1%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	< 3.8	U
DBT_ION	Dibutyl Tin Ion	5.7	< 5.7	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	57.2%
Tripentyl Tin Chloride	89.5%

ORGANICS ANALYSIS DATA SHEET

Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC15-0-1  
SAMPLE

Lab Sample ID: JB98A  
LIMS ID: 06-3365  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/06/06

QC Report No: JB98-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/17/06  
Date Received: 02/17/06

Date Extracted: 03/02/06  
Date Analyzed: 03/03/06 09:58  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.09 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 51.5%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	65	
DBT_ION	Dibutyl Tin Ion	5.7	14	
BT_ION	Butyl Tin Ion	4.0	11	M

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	55.3%
Tripentyl Tin Chloride	75.8%

**ORGANICS ANALYSIS DATA SHEET**

**Tributyl Tins by Krone 1988 SIM GC/MS**

Page 1 of 1

Sample ID: LDW-SC15-1-2

SAMPLE

Lab Sample ID: JB98B

LIMS ID: 06-3366

Matrix: Sediment

Data Release Authorized:

Reported: 03/06/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 03/02/06

Date Analyzed: 03/03/06 10:18

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.09 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 49.3%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	71	
DBT_ION	Dibutyl Tin Ion	5.7	22	
BT_ION	Butyl Tin Ion	4.0	5.9	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	55.5%
Tripropyl Tin Chloride	77.5%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC15-2-4

SAMPLE

Lab Sample ID: JB98C

LIMS ID: 06-3367

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/06/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 03/02/06

Date Analyzed: 03/03/06 10:38

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.22 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 47.8%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	150	
DBT_ION	Dibutyl Tin Ion	5.5	29	
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**TBT Surrogate Recovery**

Tripropyl Tin Chloride	63.3%
Tripentyl Tin Chloride	84.2%



**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

Sample ID: LDW-SC15-4-6  
**SAMPLE**

Lab Sample ID: JH57L  
 LIMS ID: 06-7253  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 06/28/06

QC Report No: JH57-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/17/06  
 Date Received: 02/17/06

Date Extracted: 05/05/06  
 Date Analyzed: 05/10/06 13:37  
 Instrument/Analyst: NT1/YZ  
 Silica Gel Cleanup: No

Sample Amount: 5.14 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 2.00  
 Alumina Cleanup: Yes  
 Moisture: 48.6%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	7.5	14	
DBT_ION	Dibutyl Tin Ion	11	< 11	U
BT_ION	Butyl Tin Ion	8.0	< 8.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	34.0%
Tripropyl Tin Chloride	41.9%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC20-0-2  
SAMPLE

Lab Sample ID: JB80G  
LIMS ID: 06-3223  
Matrix: Sediment  
Data Release Authorized: *AS*  
Reported: 03/01/06

QC Report No: JB80-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 04-08-06-24  
Date Sampled: 02/15/06  
Date Received: 02/15/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 15:07  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.18 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 45.6%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	< 3.7	U
DBT_ION	Dibutyl Tin Ion	5.6	< 5.6	U
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	51.0%
Triphenyl Tin Chloride	66.6%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC20-2-4  
SAMPLE

Lab Sample ID: JB80H  
LIMS ID: 06-3224  
Matrix: Sediment  
Data Release Authorized: *AR*  
Reported: 03/01/06

QC Report No: JB80-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 04-08-06-24  
Date Sampled: 02/15/06  
Date Received: 02/15/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 15:26  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.08 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 46.8%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	< 3.8	U
DBT_ION	Dibutyl Tin Ion	5.7	< 5.7	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	52.4%
Tripentyl Tin Chloride	58.5%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC23-0-2  
SAMPLE

Lab Sample ID: JB91C  
LIMS ID: 06-3311  
Matrix: Sediment  
Data Release Authorized: *MB*  
Reported: 03/01/06

QC Report No: JB91-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/17/06  
Date Received: 02/17/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 20:10  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.14 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 46.1%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	55	
DBT_ION	Dibutyl Tin Ion	5.6	12	M
BT_ION	Butyl Tin Ion	4.0	8.0	M

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	55.3%
Tripropyl Tin Chloride	61.0%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC23-2-4

**SAMPLE**

Lab Sample ID: JB91D

LIMS ID: 06-3312

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/01/06

QC Report No: JB91-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 02/27/06

Date Analyzed: 02/28/06 20:30

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.04 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 52.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	47	
DBT_ION	Dibutyl Tin Ion	5.7	< 5.7	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	51.7%
Tripentyl Tin Chloride	75.1%

**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

**Sample ID: LDW-SC23-4-6**  
**SAMPLE**

Lab Sample ID: JH57V  
 LIMS ID: 06-7263  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 05/12/06

QC Report No: JH57-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/17/06  
 Date Received: 02/17/06

Date Extracted: 05/05/06  
 Date Analyzed: 05/10/06 13:57  
 Instrument/Analyst: NT1/YZ  
 Silica Gel Cleanup: No

Sample Amount: 5.21 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 2.00  
 Alumina Cleanup: Yes  
 Moisture: 48.1%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	7.4	27	
DBT_ION	Dibutyl Tin Ion	11	< 11	U
BT_ION	Butyl Tin Ion	7.8	< 7.8	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	28.6%
Tripentyl Tin Chloride	32.1%

ORGANICS ANALYSIS DATA SHEET

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1



Sample ID: LDW-SC25-0-1

SAMPLE

Lab Sample ID: JB96Q

LIMS ID: 06-3358

Matrix: Sediment

Data Release Authorized: *MW*

Reported: 03/10/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Date Extracted: 03/03/06

Date Analyzed: 03/10/06 11:08

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.21 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 52.8%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	220	
DBT_ION	Dibutyl Tin Ion	5.5	72	
BT_ION	Butyl Tin Ion	3.9	12	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	43.6%
Tripenyl Tin Chloride	69.1%

**ORGANICS ANALYSIS DATA SHEET**

**Tributyl Tins by Krone 1988 SIM GC/MS**

Page 1 of 1

Sample ID: LDW-SC25-1-2

SAMPLE

Lab Sample ID: JB96R

LIMS ID: 06-3359

Matrix: Sediment

Data Release Authorized: *mmw*

Reported: 03/10/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Date Extracted: 03/03/06

Date Analyzed: 03/10/06 11:37

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.16 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 48.4%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	360	E
DBT_ION	Dibutyl Tin Ion	5.6	64	
BT_ION	Butyl Tin Ion	4.0	13	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	50.7%
Triphenyl Tin Chloride	87.7%



**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

Sample ID: LDW-SC25-1-2  
 DILUTION

Lab Sample ID: JB96R  
 LIMS ID: 06-3359  
 Matrix: Sediment  
 Data Release Authorized: *MM*  
 Reported: 03/10/06

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/18/06  
 Date Received: 02/18/06

Date Extracted: 03/03/06  
 Date Analyzed: 03/10/06 13:11  
 Instrument/Analyst: NT1/VTS  
 Silica Gel Cleanup: No

Sample Amount: 5.16 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 2.00  
 Alumina Cleanup: Yes  
 Moisture: 48.4%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	7.5	350	
DBT_ION	Dibutyl Tin Ion	11	58	
BT_ION	Butyl Tin Ion	7.9	12	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	51.0%
Tripentyl Tin Chloride	94.8%

**ORGANICS ANALYSIS DATA SHEET**

**Tributyl Tins by Krone 1988 SIM GC/MS**

Page 1 of 1

Sample ID: LDW-SC25-2-4

SAMPLE

Lab Sample ID: JB96S

LIMS ID: 06-3360

Matrix: Sediment

Data Release Authorized: *WV*

Reported: 03/10/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Date Extracted: 03/03/06

Date Analyzed: 03/10/06 11:56

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.11 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 46.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	760	E
DBT_ION	Dibutyl Tin Ion	5.7	150	
BT_ION	Butyl Tin Ion	4.0	18	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	54.3%
Tripenyl Tin Chloride	93.7%

ORGANICS ANALYSIS DATA SHEET

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1



Sample ID: LDW-SC25-2-4  
DILUTION

Lab Sample ID: JB96S  
LIMS ID: 06-3360  
Matrix: Sediment  
Data Release Authorized: *MMW*  
Reported: 03/10/06

QC Report No: JB96-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/18/06  
Date Received: 02/18/06

Date Extracted: 03/03/06  
Date Analyzed: 03/10/06 13:31  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.11 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 5.00  
Alumina Cleanup: Yes  
Moisture: 46.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	19	720	
DBT_ION	Dibutyl Tin Ion	28	130	
BT_ION	Butyl Tin Ion	20	20	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	54.5%
Tripropyl Tin Chloride	92.5%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC25-4-6  
SAMPLE

Lab Sample ID: JH57AA  
LIMS ID: 06-7268  
Matrix: Sediment  
Data Release Authorized: *[Signature]*  
Reported: 05/12/06

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/18/06  
Date Received: 02/18/06

Date Extracted: 05/05/06  
Date Analyzed: 05/10/06 14:17  
Instrument/Analyst: NT1/YZ  
Silica Gel Cleanup: No

Sample Amount: 5.25 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 2.00  
Alumina Cleanup: Yes  
Moisture: 47.7%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	7.4	1,200	E
DBT_ION	Dibutyl Tin Ion	11	92	
BT_ION	Butyl Tin Ion	7.8	< 7.8	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	30.6%
Tripropyl Tin Chloride	40.2%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC25-4-6  
DILUTION

Lab Sample ID: JH57AA  
LIMS ID: 06-7268  
Matrix: Sediment  
Data Release Authorized: *[Signature]*  
Reported: 05/12/06

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/18/06  
Date Received: 02/18/06

Date Extracted: 05/05/06  
Date Analyzed: 05/11/06 11:33  
Instrument/Analyst: NT1/YZ  
Silica Gel Cleanup: No

Sample Amount: 5.25 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 5.00  
Alumina Cleanup: Yes  
Moisture: 47.7%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	18	1,000	
DBT_ION	Dibutyl Tin Ion	28	86	
BT_ION	Butyl Tin Ion	19	< 19	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	25.5%
Triphenyl Tin Chloride	35.2%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC25-8-9.1

SAMPLE

Lab Sample ID: JO76M

LIMS ID: 06-11861

Matrix: Sediment

Data Release Authorized: VTS

Reported: 07/21/06

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Date Extracted: 07/14/06

Date Analyzed: 07/18/06 16:28

Instrument/Analyst: NT1/YZ

Silica Gel Cleanup: No

Sample Amount: 5.30 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 24.3%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.6	< 3.6	U
DBT_ION	Dibutyl Tin Ion	5.4	< 5.4	U
BT_ION	Butyl Tin Ion	3.8	< 3.8	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	43.9%
Tripentyl Tin Chloride	49.2%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC25-8-9.1  
DILUTION

Lab Sample ID: JO76M  
LIMS ID: 06-11861  
Matrix: Sediment  
Data Release Authorized: **VTS**  
Reported: 07/21/06

QC Report No: JO76-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/18/06  
Date Received: 02/18/06

Date Extracted: 07/14/06  
Date Analyzed: 07/18/06 19:38  
Instrument/Analyst: NT1/YZ  
Silica Gel Cleanup: No

Sample Amount: 5.30 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 2.00  
Alumina Cleanup: Yes  
Moisture: 24.3%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	7.3	< 7.3	U
DBT_ION	Dibutyl Tin Ion	11	< 11	U
BT_ION	Butyl Tin Ion	7.7	< 7.7	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	51.0%
Tripentyl Tin Chloride	63.4%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1


Sample ID: LDW-SC26-0-1

SAMPLE

Lab Sample ID: JC21AL

LIMS ID: 06-3610

Matrix: Sediment

Data Release Authorized: 

Reported: 03/06/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Date Extracted: 03/02/06

Date Analyzed: 03/03/06 12:36

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.26 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 52.4%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	130	
DBT_ION	Dibutyl Tin Ion	5.5	16	
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	49.7%
Tripentyl Tin Chloride	69.8%



**ORGANICS ANALYSIS DATA SHEET**

**Tributyl Tins by Krone 1988 SIM GC/MS**

Page 1 of 1

Sample ID: LDW-SC26-1-2

SAMPLE

Lab Sample ID: JC21AM

LIMS ID: 06-3611

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/06/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Date Extracted: 03/02/06

Date Analyzed: 03/03/06 12:56

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.02 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 47.3%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	130	
DBT_ION	Dibutyl Tin Ion	5.8	24	
BT_ION	Butyl Tin Ion	4.1	4.5	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	59.9%
Triphenyl Tin Chloride	79.3%

**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

Sample ID: LDW-SC26-2-4  
**SAMPLE**

Lab Sample ID: JC21AN  
 LIMS ID: 06-3612  
 Matrix: Sediment  
 Data Release Authorized: *AS*  
 Reported: 03/06/06

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/22/06  
 Date Received: 02/22/06

Date Extracted: 03/02/06  
 Date Analyzed: 03/03/06 13:15  
 Instrument/Analyst: NT1/VTS  
 Silica Gel Cleanup: No

Sample Amount: 5.09 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 1.00  
 Alumina Cleanup: Yes  
 Moisture: 46.6%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	660	E
DBT_ION	Dibutyl Tin Ion	5.7	87	
BT_ION	Butyl Tin Ion	4.0	6.0	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	59.6%
Tripentyl Tin Chloride	80.5%

**ORGANICS ANALYSIS DATA SHEET**

**Tributyl Tins by Krone 1988 SIM GC/MS**

Page 1 of 1

Sample ID: LDW-SC26-2-4

DILUTION

Lab Sample ID: JC21AN

LIMS ID: 06-3612

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/06/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Date Extracted: 03/02/06

Date Analyzed: 03/03/06 13:38

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.09 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 5.00

Alumina Cleanup: Yes

Moisture: 46.6%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	19	590	
DBT_ION	Dibutyl Tin Ion	28	91	
BT_ION	Butyl Tin Ion	20	< 20	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	52.7%
Tripentyl Tin Chloride	98.7%

**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

Sample ID: LDW-SC26-6-8  
**SAMPLE**

Lab Sample ID: JH57A  
 LIMS ID: 06-7166  
 Matrix: Sediment  
 Data Release Authorized: *AP*  
 Reported: 05/12/06

QC Report No: JH57-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/22/06  
 Date Received: 02/22/06

Date Extracted: 05/05/06  
 Date Analyzed: 05/10/06 12:18  
 Instrument/Analyst: NT1/YZ  
 Silica Gel Cleanup: No

Sample Amount: 5.29 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 2.00  
 Alumina Cleanup: Yes  
 Moisture: 41.5%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	7.3	6,500	E
DBT_ION	Dibutyl Tin Ion	11	520	
BT_ION	Butyl Tin Ion	7.7	9.1	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	22.1%
Tripropyl Tin Chloride	28.5%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC26-6-8

DILUTION

Lab Sample ID: JH57A

LIMS ID: 06-7166

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 05/12/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Date Extracted: 05/05/06

Date Analyzed: 05/10/06 14:57

Instrument/Analyst: NT1/YZ

Silica Gel Cleanup: No

Sample Amount: 5.29 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 40.0

Alumina Cleanup: Yes

Moisture: 41.5%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	150	6,200	
DBT_ION	Dibutyl Tin Ion	220	440	
BT_ION	Butyl Tin Ion	150	< 150	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	D
Tripenyl Tin Chloride	D

**ORGANICS ANALYSIS DATA SHEET**

**Tributyl Tins by Krone 1988 SIM GC/MS**

Page 1 of 1

Sample ID: LDW-SC28-0-1

**SAMPLE**

Lab Sample ID: JC48A

LIMS ID: 06-3863

Matrix: Sediment

Data Release Authorized: *MW*

Reported: 03/16/06

QC Report No: JC48-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/25/06

Date Received: 02/27/06

Date Extracted: 03/14/06

Date Analyzed: 03/15/06 13:54

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.08 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 49.3%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	160	
DBT_ION	Dibutyl Tin Ion	5.7	25	
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	52.2%
Tripentyl Tin Chloride	62.7%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC28-1-2

**SAMPLE**

Lab Sample ID: JC48B

LIMS ID: 06-3864

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/16/06

QC Report No: JC48-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/25/06

Date Received: 02/27/06

Date Extracted: 03/14/06

Date Analyzed: 03/15/06 15:01

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.20 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 48.1%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	55	
DBT_ION	Dibutyl Tin Ion	5.6	15	
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	43.2%
Tripenyl Tin Chloride	50.6%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC28-2-4  
SAMPLE

Lab Sample ID: JC48C  
LIMS ID: 06-3865  
Matrix: Sediment  
Data Release Authorized: *TW*  
Reported: 03/16/06

QC Report No: JC48-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/25/06  
Date Received: 02/27/06

Date Extracted: 03/14/06  
Date Analyzed: 03/15/06 15:21  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.25 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 50.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	120	
DBT_ION	Dibutyl Tin Ion	5.5	25	
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**TBT Surrogate Recovery**

Tripropyl Tin Chloride	49.5%
Triphenyl Tin Chloride	64.1%



**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

**Sample ID: LDW-SC28-5.5-7.5**  
**SAMPLE**

Lab Sample ID: JH57E  
 LIMS ID: 06-7246  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 05/12/06

QC Report No: JH57-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/25/06  
 Date Received: 02/27/06

Date Extracted: 05/05/06  
 Date Analyzed: 05/10/06 12:38  
 Instrument/Analyst: NT1/YZ  
 Silica Gel Cleanup: No

Sample Amount: 5.05 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 2.00  
 Alumina Cleanup: Yes  
 Moisture: 37.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	7.7	3,900	E
DBT_ION	Dibutyl Tin Ion	11	1,000	E
BT_ION	Butyl Tin Ion	8.1	46	

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	42.2%
Tripropyl Tin Chloride	58.1%

**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

**Sample ID: LDW-SC28-5.5-7.5**  
**DILUTION**

Lab Sample ID: JH57E  
 LIMS ID: 06-7246  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 05/12/06

QC Report No: JH57-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/25/06  
 Date Received: 02/27/06

Date Extracted: 05/05/06  
 Date Analyzed: 05/11/06 11:14  
 Instrument/Analyst: NT1/YZ  
 Silica Gel Cleanup: No

Sample Amount: 5.05 g-dry-wt  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 20.0  
 Alumina Cleanup: Yes  
 Moisture: 37.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	77	3,400	
DBT_ION	Dibutyl Tin Ion	110	960	
BT_ION	Butyl Tin Ion	81	< 81	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	D
Tripropyl Tin Chloride	D

ORGANICS ANALYSIS DATA SHEET

Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC28-12-12.6  
SAMPLE

Lab Sample ID: JO76N  
LIMS ID: 06-11862  
Matrix: Sediment  
Data Release Authorized: *VTS*  
Reported: 07/21/06

QC Report No: JO76-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/25/06  
Date Received: 02/27/06

Date Extracted: 07/14/06  
Date Analyzed: 07/18/06 17:25  
Instrument/Analyst: NT1/YZ  
Silica Gel Cleanup: No

Sample Amount: 5.19 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 35.1%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	4.8	
DBT_ION	Dibutyl Tin Ion	5.6	< 5.6	U
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	35.7%
Tripenyl Tin Chloride	44.6%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC28-12-12.6  
DILUTION

Lab Sample ID: JO76N  
LIMS ID: 06-11862  
Matrix: Sediment  
Data Release Authorized: *UDS*  
Reported: 07/21/06

QC Report No: JO76-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/25/06  
Date Received: 02/27/06

Date Extracted: 07/14/06  
Date Analyzed: 07/18/06 20:35  
Instrument/Analyst: NT1/YZ  
Silica Gel Cleanup: No

Sample Amount: 5.19 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 2.00  
Alumina Cleanup: Yes  
Moisture: 35.1%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	7.4	< 7.4	U
DBT_ION	Dibutyl Tin Ion	11	< 11	U
BT_ION	Butyl Tin Ion	7.9	< 7.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	37.4%
Tripentyl Tin Chloride	45.8%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC31-0-1

SAMPLE

Lab Sample ID: JB98M

LIMS ID: 06-3377

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/06/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 03/02/06

Date Analyzed: 03/03/06 10:57

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.05 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 56.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	46	
DBT_ION	Dibutyl Tin Ion	5.7	13	M
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	64.5%
Tripentyl Tin Chloride	95.0%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC31-1-2.8

SAMPLE

Lab Sample ID: JB98N

LIMS ID: 06-3378

Matrix: Sediment

Data Release Authorized:

Reported: 03/06/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 03/02/06

Date Analyzed: 03/03/06 11:17

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.08 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 49.4%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	49	
DBT_ION	Dibutyl Tin Ion	5.7	< 5.7	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	72.0%
Tripentyl Tin Chloride	102%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC31-2.8-4

SAMPLE

Lab Sample ID: JB980

LIMS ID: 06-3379

Matrix: Sediment

Data Release Authorized:

Reported: 03/06/06 *JB*

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 03/02/06

Date Analyzed: 03/03/06 11:37

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.40 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 17.5%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.6	< 3.6	U
DBT_ION	Dibutyl Tin Ion	5.4	< 5.4	U
BT_ION	Butyl Tin Ion	3.8	< 3.8	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	65.9%
Tripentyl Tin Chloride	95.8%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC36-0-1  
SAMPLE

Lab Sample ID: JB82A  
LIMS ID: 06-3250  
Matrix: Sediment  
Data Release Authorized: *AB*  
Reported: 03/01/06

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 16:36  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.07 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 40.4%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	28	
DBT_ION	Dibutyl Tin Ion	5.7	< 5.7	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**TBT Surrogate Recovery**

Tripropyl Tin Chloride	52.4%
Triphenyl Tin Chloride	76.6%



**ORGANICS ANALYSIS DATA SHEET**  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC36-1-2  
SAMPLE

Lab Sample ID: JB82B  
LIMS ID: 06-3251  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/01/06

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 16:55  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.01 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 37.4%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.9	< 3.9	U
DBT_ION	Dibutyl Tin Ion	5.8	< 5.8	U
BT_ION	Butyl Tin Ion	4.1	< 4.1	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	50.0%
Tripropyl Tin Chloride	79.1%

**ORGANICS ANALYSIS DATA SHEET**

**Tributyl Tins by Krone 1988 SIM GC/MS**

Page 1 of 1

Sample ID: LDW-SC36-2-4

SAMPLE

Lab Sample ID: JB82C

LIMS ID: 06-3252

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/01/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Date Extracted: 02/27/06

Date Analyzed: 02/28/06 17:14

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.26 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 34.3%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	< 3.7	U
DBT_ION	Dibutyl Tin Ion	5.5	< 5.5	U
BT_ION	Butyl Tin Ion	3.9	< 3.9	U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	58.5%
Tripentyl Tin Chloride	76.1%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC202-0-1  
SAMPLE

Lab Sample ID: JB82G  
LIMS ID: 06-3256  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/01/06 

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 17:34  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.05 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 44.1%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	5.5	
DBT_ION	Dibutyl Tin Ion	5.7	< 5.7	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	39.0%
Tripropyl Tin Chloride	60.3%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1

Sample ID: LDW-SC202-1-2

**SAMPLE**

Lab Sample ID: JB82H

LIMS ID: 06-3257

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/01/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Date Extracted: 02/27/06

Date Analyzed: 02/28/06 17:53

Instrument/Analyst: NT1/VTS

Silica Gel Cleanup: No

Sample Amount: 5.29 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

Moisture: 37.8%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	< 3.7	U
DBT_ION	Dibutyl Tin Ion	5.5	< 5.5	U
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	53.1%
Triphenyl Tin Chloride	78.9%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC202-2-4  
SAMPLE

Lab Sample ID: JB82I  
LIMS ID: 06-3258  
Matrix: Sediment  
Data Release Authorized: *B*  
Reported: 03/01/06

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 18:13  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.19 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 30.8%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	< 3.7	U
DBT_ION	Dibutyl Tin Ion	5.6	< 5.6	U
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	52.4%
Triphenyl Tin Chloride	73.5%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC39-0-1  
SAMPLE

Lab Sample ID: JB82M  
LIMS ID: 06-3262  
Matrix: Sediment  
Data Release Authorized: *AB*  
Reported: 03/01/06

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 18:32  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.10 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 27.3%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	13	
DBT_ION	Dibutyl Tin Ion	5.7	6.4	
BT_ION	Butyl Tin Ion	4.0	< 4.0	U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	59.0%
Triphenyl Tin Chloride	84.9%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC39-1-2  
SAMPLE

Lab Sample ID: JB82N  
LIMS ID: 06-3263  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/01/06

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 18:52  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.34 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 24.2%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.6	< 3.6	U
DBT_ION	Dibutyl Tin Ion	5.4	< 5.4	U
BT_ION	Butyl Tin Ion	3.8	< 3.8	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	51.6%
Tripropyl Tin Chloride	74.0%

ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC39-2-4  
SAMPLE

Lab Sample ID: JB820  
LIMS ID: 06-3264  
Matrix: Sediment  
Data Release Authorized: *AB*  
Reported: 03/01/06

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/27/06  
Date Analyzed: 02/28/06 19:12  
Instrument/Analyst: NT1/VTS  
Silica Gel Cleanup: No

Sample Amount: 5.12 g-dry-wt  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes  
Moisture: 31.9%

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	< 3.8	U
DBT_ION	Dibutyl Tin Ion	5.6	< 5.6	U
BT_ION	Butyl Tin Ion	4.0	< 4.0	U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	46.3%
Tripropyl Tin Chloride	68.0%



ORGANICS ANALYSIS DATA SHEET  
Tributyl Tins by Krone 1988 SIM GC/MS  
Page 1 of 1

Sample ID: LDW-SC-RB1  
SAMPLE

Lab Sample ID: JA90A  
LIMS ID: 06-2355  
Matrix: Water  
Data Release Authorized:  
Reported: 02/21/06

QC Report No: JA90-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
Event: 05-08-06-32  
Date Sampled: 02/08/06  
Date Received: 02/08/06

Date Extracted: 02/15/06  
Date Analyzed: 02/20/06 13:32  
Instrument/Analyst: NT1/VTS

Sample Amount: 100 mL  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00  
Alumina Cleanup: Yes

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	0.19	< 0.19	U

Reported in  $\mu\text{g/L}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	70.8%
Triphenyl Tin Chloride	77.9%

**ORGANICS ANALYSIS DATA SHEET**

Tributyl Tins by Krone 1988 SIM GC/MS

Page 1 of 1


Sample ID: LDW-SC-RB2

SAMPLE

Lab Sample ID: JB46L

LIMS ID: 06-2927

Matrix: Water

Data Release Authorized: 

Reported: 02/23/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

Event: 05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Date Extracted: 02/21/06

Date Analyzed: 02/22/06 16:46

Instrument/Analyst: NT1/VTS

Sample Amount: 100 mL

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	0.19	< 0.19	U


Reported in  $\mu\text{g/L}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	67.0%
Triphenyl Tin Chloride	86.3%

**ORGANICS ANALYSIS DATA SHEET**  
**Tributyl Tins by Krone 1988 SIM GC/MS**  
 Page 1 of 1

**Sample ID: LDW-SC-RB3**  
**SAMPLE**

Lab Sample ID: JC21A  
 LIMS ID: 06-3573  
 Matrix: Water  
 Data Release Authorized:   
 Reported: 03/02/06

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 Event: 05-08-06-32  
 Date Sampled: 02/22/06  
 Date Received: 02/22/06

Date Extracted: 02/28/06  
 Date Analyzed: 03/01/06 16:07  
 Instrument/Analyst: NT1/VTS

Sample Amount: 100 mL  
 Final Extract Volume: 0.50 mL  
 Dilution Factor: 1.00  
 Alumina Cleanup: Yes

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	0.19	< 0.19	U
DBT_ION	Dibutyl Tin Ion	0.29	< 0.29	U
BT_ION	Butyl Tin Ion	0.20	< 0.20	U

Reported in  $\mu\text{g/L}$  (ppb)

**TBT Surrogate Recovery**

Tripropyl Tin Chloride	57.3%
Tripentyl Tin Chloride	85.1%

## E-3 SVOCs – Full Scan

---

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC1-0-2  
SAMPLE

Lab Sample ID: JB90F  
LIMS ID: 06-3306  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/10/06

QC Report No: JB90-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

Date Extracted: 02/21/06  
Date Analyzed: 03/06/06 18:11  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 3.00  
Percent Moisture: 48.9%  
pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	110
120-12-7	Anthracene	60	69

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC1-0-2  
SAMPLE

Lab Sample ID: JB90F  
LIMS ID: 06-3306  
Matrix: Sediment  
Date Analyzed: 03/06/06 18:11

QC Report No: JB90-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	45 J
206-44-0	Fluoranthene	60	270
129-00-0	Pyrene	60	790
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	190
117-81-7	bis (2-Ethylhexyl) phthalate	60	1,800
218-01-9	Chrysene	60	310
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	630
207-08-9	Benzo (k) fluoranthene	60	490
50-32-8	Benzo (a) pyrene	60	350
193-39-5	Indeno (1,2,3-cd) pyrene	60	68
53-70-3	Dibenz (a, h) anthracene	60	< 60 U
191-24-2	Benzo (g, h, i) perylene	60	60 J
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	43.9%	2-Fluorobiphenyl	43.1%
d14-p-Terphenyl	32.5%	d4-1,2-Dichlorobenzene	40.6%
d5-Phenol	45.6%	2-Fluorophenol	45.7%
2,4,6-Tribromophenol	44.6%	d4-2-Chlorophenol	46.0%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC1-0-.5

SAMPLE

Lab Sample ID: JL31A

LIMS ID: 06-9354

Matrix: Sediment

Data Release Authorized:

Reported: 06/26/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 06/12/06

Date Analyzed: 06/22/06 02:14

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.5 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 45.9%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	70 B
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
85-01-8	Phenanthrene	62	300

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC1-0-.5  
SAMPLE

Lab Sample ID: JL31A  
LIMS ID: 06-9354  
Matrix: Sediment  
Date Analyzed: 06/22/06 02:14

QC Report No: JL31-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	110
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	770
129-00-0	Pyrene	62	830
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	310
117-81-7	bis (2-Ethylhexyl) phthalate	62	700
218-01-9	Chrysene	62	680
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	800
207-08-9	Benzo (k) fluoranthene	62	480
50-32-8	Benzo (a) pyrene	62	410
193-39-5	Indeno (1,2,3-cd) pyrene	62	240
191-24-2	Benzo (g,h,i) perylene	62	240
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	62.4%	2-Fluorobiphenyl	67.6%
d14-p-Terphenyl	52.0%	d4-1,2-Dichlorobenzene	62.0%
d5-Phenol	62.9%	2-Fluorophenol	54.4%
2,4,6-Tribromophenol	64.0%	d4-2-Chlorophenol	65.6%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC1-.5-1

SAMPLE

Lab Sample ID: JL31B

LIMS ID: 06-9355

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 06/26/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 08:27

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.1 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 41.8%

pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
85-01-8	Phenanthrene	62	130

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC1-.5-1  
 SAMPLE

Lab Sample ID: JL31B  
 LIMS ID: 06-9355  
 Matrix: Sediment  
 Date Analyzed: 06/23/06 08:27

QC Report No: JL31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	43 J
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	260
129-00-0	Pyrene	62	670
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	140
117-81-7	bis (2-Ethylhexyl) phthalate	62	400
218-01-9	Chrysene	62	240
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	410
207-08-9	Benzo (k) fluoranthene	62	240
50-32-8	Benzo (a) pyrene	62	240
193-39-5	Indeno (1,2,3-cd) pyrene	62	160
191-24-2	Benzo (g,h,i) perylene	62	180
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	64.0%	2-Fluorobiphenyl	68.0%
d14-p-Terphenyl	63.2%	d4-1,2-Dichlorobenzene	63.2%
d5-Phenol	67.2%	2-Fluorophenol	54.1%
2,4,6-Tribromophenol	64.8%	d4-2-Chlorophenol	65.3%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC1-1-1.5  
SAMPLE

Lab Sample ID: JL31C  
LIMS ID: 06-9356  
Matrix: Sediment  
Data Release Authorized:  
Reported: 06/26/06

QC Report No: JL31-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

Date Extracted: 06/12/06  
Date Analyzed: 06/23/06 10:08  
Instrument/Analyst: NT2/LJR  
GPC Cleanup: Yes

Sample Amount: 32.6 g-dry-wt  
Final Extract Volume: 2.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 50.1%  
pH: 7.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	< 61 U
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	61	< 61 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	61	< 61 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	Acenaphthylene	61	< 61 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	61	< 61 U
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	61	< 61 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
86-73-7	Fluorene	61	< 61 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
85-01-8	Phenanthrene	61	120

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC1-1-1.5  
SAMPLE

Lab Sample ID: JL31C  
LIMS ID: 06-9356  
Matrix: Sediment  
Date Analyzed: 06/23/06 10:08

QC Report No: JL31-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	61	100
84-74-2	Di-n-Butylphthalate	61	31 J
206-44-0	Fluoranthene	61	170
129-00-0	Pyrene	61	740
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	61	180
117-81-7	bis (2-Ethylhexyl) phthalate	61	2,400
218-01-9	Chrysene	61	300
117-84-0	Di-n-Octyl phthalate	61	< 61 U
205-99-2	Benzo (b) fluoranthene	61	540
207-08-9	Benzo (k) fluoranthene	61	250
50-32-8	Benzo (a) pyrene	61	300
193-39-5	Indeno (1,2,3-cd) pyrene	61	120
191-24-2	Benzo (g,h,i) perylene	61	120
62-53-3	Aniline	61	< 61 U
90-12-0	1-Methylnaphthalene	61	< 61 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	62.8%	2-Fluorobiphenyl	68.8%
d14-p-Terphenyl	56.4%	d4-1,2-Dichlorobenzene	60.8%
d5-Phenol	64.8%	2-Fluorophenol	52.0%
2,4,6-Tribromophenol	63.7%	d4-2-Chlorophenol	63.2%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC1-1.5-2

SAMPLE

Lab Sample ID: JL31D

LIMS ID: 06-9357

Matrix: Sediment

Data Release Authorized:

Reported: 06/26/06

QC Report No: JL31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 10:41

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.5 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 54.4%

pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
85-01-8	Phenanthrene	62	110

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC1-1.5-2  
SAMPLE

Lab Sample ID: JL31D  
LIMS ID: 06-9357  
Matrix: Sediment  
Date Analyzed: 06/23/06 10:41

QC Report No: JL31-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	79
84-74-2	Di-n-Butylphthalate	62	42 J
206-44-0	Fluoranthene	62	230
129-00-0	Pyrene	62	830
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	62	160
117-81-7	bis(2-Ethylhexyl)phthalate	62	1,000
218-01-9	Chrysene	62	290
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo(b)fluoranthene	62	470
207-08-9	Benzo(k)fluoranthene	62	380
50-32-8	Benzo(a)pyrene	62	330
193-39-5	Indeno(1,2,3-cd)pyrene	62	160
191-24-2	Benzo(g,h,i)perylene	62	140
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	61.6%	2-Fluorobiphenyl	66.8%
d14-p-Terphenyl	48.4%	d4-1,2-Dichlorobenzene	59.6%
d5-Phenol	62.4%	2-Fluorophenol	49.6%
2,4,6-Tribromophenol	62.1%	d4-2-Chlorophenol	61.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC1-2-4

SAMPLE

Lab Sample ID: JB90G

LIMS ID: 06-3307

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/10/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 02/21/06

Date Analyzed: 03/06/06 18:46

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 32.0%

pH: 8.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	25
120-12-7	Anthracene	20	14 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC1-2-4  
**SAMPLE**

Lab Sample ID: JB90G  
 LIMS ID: 06-3307  
 Matrix: Sediment  
 Date Analyzed: 03/06/06 18:46

QC Report No: JB90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	21
206-44-0	Fluoranthene	20	40
129-00-0	Pyrene	20	160
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	20
117-81-7	bis (2-Ethylhexyl) phthalate	20	95
218-01-9	Chrysene	20	33
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	85
207-08-9	Benzo (k) fluoranthene	20	74
50-32-8	Benzo (a) pyrene	20	52
193-39-5	Indeno (1,2,3-cd) pyrene	20	10 J
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	11 J
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	52.0%	2-Fluorobiphenyl	56.0%
d14-p-Terphenyl	48.0%	d4-1,2-Dichlorobenzene	46.0%
d5-Phenol	56.5%	2-Fluorophenol	53.1%
2,4,6-Tribromophenol	66.1%	d4-2-Chlorophenol	54.9%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC2-0-2  
**SAMPLE**

Lab Sample ID: JB01U  
 LIMS ID: 06-2502  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/15/06

QC Report No: JB01-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/09/06  
 Date Received: 02/09/06

Date Extracted: 02/21/06  
 Date Analyzed: 03/06/06 21:03  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 44.6 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 30.5%  
 pH: 8.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	22	36 B
111-44-4	Bis-(2-Chloroethyl) Ether	22	< 22 U
95-57-8	2-Chlorophenol	22	< 22 U
541-73-1	1,3-Dichlorobenzene	22	< 22 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	22	< 22 U
106-44-5	4-Methylphenol	22	13 J
67-72-1	Hexachloroethane	22	< 22 U
98-95-3	Nitrobenzene	22	< 22 U
78-59-1	Isophorone	22	< 22 U
88-75-5	2-Nitrophenol	110	< 110 U
111-91-1	bis(2-Chloroethoxy) Methane	22	< 22 U
120-83-2	2,4-Dichlorophenol	110	< 110 U
91-20-3	Naphthalene	22	47
106-47-8	4-Chloroaniline	110	< 110 U
59-50-7	4-Chloro-3-methylphenol	110	< 110 U
91-57-6	2-Methylnaphthalene	22	42
77-47-4	Hexachlorocyclopentadiene	110	< 110 U
88-06-2	2,4,6-Trichlorophenol	110	< 110 U
95-95-4	2,4,5-Trichlorophenol	110	< 110 U
91-58-7	2-Chloronaphthalene	22	< 22 U
88-74-4	2-Nitroaniline	110	< 110 U
131-11-3	Dimethylphthalate	22	< 22 U
208-96-8	Acenaphthylene	22	< 22 U
99-09-2	3-Nitroaniline	110	< 110 U
83-32-9	Acenaphthene	22	140
51-28-5	2,4-Dinitrophenol	220	< 220 U
100-02-7	4-Nitrophenol	110	< 110 U
132-64-9	Dibenzofuran	22	67
606-20-2	2,6-Dinitrotoluene	110	< 110 U
121-14-2	2,4-Dinitrotoluene	110	< 110 U
84-66-2	Diethylphthalate	22	< 22 U
7005-72-3	4-Chlorophenyl-phenylether	22	< 22 U
86-73-7	Fluorene	22	88
100-01-6	4-Nitroaniline	110	< 110 U
534-52-1	4,6-Dinitro-2-Methylphenol	220	< 220 U
101-55-3	4-Bromophenyl-phenylether	22	< 22 U
85-01-8	Phenanthrene	22	290
120-12-7	Anthracene	22	84

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC2-0-2  
SAMPLE

Lab Sample ID: JB01U  
LIMS ID: 06-2502  
Matrix: Sediment  
Date Analyzed: 03/06/06 21:03

QC Report No: JB01-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	22	< 22 U
206-44-0	Fluoranthene	22	510
129-00-0	Pyrene	22	330
91-94-1	3,3'-Dichlorobenzidine	110	< 110 U
56-55-3	Benzo (a) anthracene	22	85
117-81-7	bis (2-Ethylhexyl) phthalate	22	900
218-01-9	Chrysene	22	95
117-84-0	Di-n-Octyl phthalate	22	< 22 U
205-99-2	Benzo (b) fluoranthene	22	82
207-08-9	Benzo (k) fluoranthene	22	63
50-32-8	Benzo (a) pyrene	22	40
193-39-5	Indeno (1,2,3-cd) pyrene	22	< 22 U
53-70-3	Dibenz (a,h) anthracene	22	< 22 U
191-24-2	Benzo (g,h,i) perylene	22	< 22 U
62-53-3	Aniline	22	< 22 U
90-12-0	1-Methylnaphthalene	22	25

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	40.8%	2-Fluorobiphenyl	40.4%
d14-p-Terphenyl	44.0%	d4-1,2-Dichlorobenzene	37.9%
d5-Phenol	42.9%	2-Fluorophenol	40.5%
2,4,6-Tribromophenol	46.1%	d4-2-Chlorophenol	42.7%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC2-2-4  
SAMPLE

Lab Sample ID: JB01V  
LIMS ID: 06-2503  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/15/06

QC Report No: JB01-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

Date Extracted: 02/21/06  
Date Analyzed: 03/06/06 21:37  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 42.8 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 33.2%  
pH: 9.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	23	26 B
111-44-4	Bis-(2-Chloroethyl) Ether	23	< 23 U
95-57-8	2-Chlorophenol	23	< 23 U
541-73-1	1,3-Dichlorobenzene	23	< 23 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	23	< 23 U
106-44-5	4-Methylphenol	23	41
67-72-1	Hexachloroethane	23	< 23 U
98-95-3	Nitrobenzene	23	< 23 U
78-59-1	Isophorone	23	< 23 U
88-75-5	2-Nitrophenol	120	< 120 U
111-91-1	bis(2-Chloroethoxy) Methane	23	< 23 U
120-83-2	2,4-Dichlorophenol	120	< 120 U
91-20-3	Naphthalene	23	43
106-47-8	4-Chloroaniline	120	< 120 U
59-50-7	4-Chloro-3-methylphenol	120	< 120 U
91-57-6	2-Methylnaphthalene	23	62
77-47-4	Hexachlorocyclopentadiene	120	< 120 U
88-06-2	2,4,6-Trichlorophenol	120	< 120 U
95-95-4	2,4,5-Trichlorophenol	120	< 120 U
91-58-7	2-Chloronaphthalene	23	< 23 U
88-74-4	2-Nitroaniline	120	< 120 U
131-11-3	Dimethylphthalate	23	< 23 U
208-96-8	Acenaphthylene	23	< 23 U
99-09-2	3-Nitroaniline	120	< 120 U
83-32-9	Acenaphthene	23	78
51-28-5	2,4-Dinitrophenol	230	< 230 U
100-02-7	4-Nitrophenol	120	< 120 U
132-64-9	Dibenzofuran	23	58
606-20-2	2,6-Dinitrotoluene	120	< 120 U
121-14-2	2,4-Dinitrotoluene	120	< 120 U
84-66-2	Diethylphthalate	23	< 23 U
7005-72-3	4-Chlorophenyl-phenylether	23	< 23 U
86-73-7	Fluorene	23	110
100-01-6	4-Nitroaniline	120	< 120 U
534-52-1	4,6-Dinitro-2-Methylphenol	230	< 230 U
101-55-3	4-Bromophenyl-phenylether	23	< 23 U
85-01-8	Phenanthrene	23	360
120-12-7	Anthracene	23	86

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC2-2-4  
SAMPLE

Lab Sample ID: JB01V  
LIMS ID: 06-2503  
Matrix: Sediment  
Date Analyzed: 03/06/06 21:37

QC Report No: JB01-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	23	< 23 U
206-44-0	Fluoranthene	23	490
129-00-0	Pyrene	23	370
91-94-1	3,3'-Dichlorobenzidine	120	< 120 U
56-55-3	Benzo(a)anthracene	23	120
117-81-7	bis(2-Ethylhexyl)phthalate	23	1,800
218-01-9	Chrysene	23	170
117-84-0	Di-n-Octyl phthalate	23	< 23 U
205-99-2	Benzo(b)fluoranthene	23	140
207-08-9	Benzo(k)fluoranthene	23	120
50-32-8	Benzo(a)pyrene	23	62
193-39-5	Indeno(1,2,3-cd)pyrene	23	13 J
53-70-3	Dibenz(a,h)anthracene	23	< 23 U
191-24-2	Benzo(g,h,i)perylene	23	15 J
62-53-3	Aniline	23	< 23 U
90-12-0	1-Methylnaphthalene	23	37

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	52.0%	2-Fluorobiphenyl	51.6%
d14-p-Terphenyl	62.8%	d4-1,2-Dichlorobenzene	44.4%
d5-Phenol	52.5%	2-Fluorophenol	48.8%
2,4,6-Tribromophenol	63.2%	d4-2-Chlorophenol	52.0%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC2-2-4

DILUTION

Lab Sample ID: JB01V

LIMS ID: 06-2503

Matrix: Sediment

Data Release Authorized:

Reported: 03/15/06

QC Report No: JB01-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 02/21/06

Date Analyzed: 03/12/06 23:42

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 42.8 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 5.00

Percent Moisture: 33.2%

pH: 9.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	120	< 120 U
111-44-4	Bis-(2-Chloroethyl) Ether	120	< 120 U
95-57-8	2-Chlorophenol	120	< 120 U
541-73-1	1,3-Dichlorobenzene	120	< 120 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	120	< 120 U
<b>106-44-5</b>	<b>4-Methylphenol</b>	<b>120</b>	<b>58 J</b>
67-72-1	Hexachloroethane	120	< 120 U
98-95-3	Nitrobenzene	120	< 120 U
78-59-1	Isophorone	120	< 120 U
88-75-5	2-Nitrophenol	580	< 580 U
111-91-1	bis(2-Chloroethoxy) Methane	120	< 120 U
120-83-2	2,4-Dichlorophenol	580	< 580 U
91-20-3	Naphthalene	120	< 120 U
106-47-8	4-Chloroaniline	580	< 580 U
59-50-7	4-Chloro-3-methylphenol	580	< 580 U
91-57-6	2-Methylnaphthalene	120	< 120 U
77-47-4	Hexachlorocyclopentadiene	580	< 580 U
88-06-2	2,4,6-Trichlorophenol	580	< 580 U
95-95-4	2,4,5-Trichlorophenol	580	< 580 U
91-58-7	2-Chloronaphthalene	120	< 120 U
88-74-4	2-Nitroaniline	580	< 580 U
131-11-3	Dimethylphthalate	120	< 120 U
208-96-8	Acenaphthylene	120	< 120 U
99-09-2	3-Nitroaniline	580	< 580 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>120</b>	<b>120</b>
51-28-5	2,4-Dinitrophenol	1,200	< 1,200 U
100-02-7	4-Nitrophenol	580	< 580 U
132-64-9	Dibenzofuran	120	< 120 U
606-20-2	2,6-Dinitrotoluene	580	< 580 U
121-14-2	2,4-Dinitrotoluene	580	< 580 U
84-66-2	Diethylphthalate	120	< 120 U
7005-72-3	4-Chlorophenyl-phenylether	120	< 120 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>120</b>	<b>170</b>
100-01-6	4-Nitroaniline	580	< 580 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,200	< 1,200 U
101-55-3	4-Bromophenyl-phenylether	120	< 120 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>120</b>	<b>610</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>120</b>	<b>130</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC2-2-4  
DILUTION

Lab Sample ID: JB01V  
LIMS ID: 06-2503  
Matrix: Sediment  
Date Analyzed: 03/12/06 23:42

QC Report No: JB01-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	120	< 120 U
206-44-0	Fluoranthene	120	830
129-00-0	Pyrene	120	480
91-94-1	3,3'-Dichlorobenzidine	580	< 580 U
56-55-3	Benzo (a) anthracene	120	220
117-81-7	bis (2-Ethylhexyl)phthalate	120	2,600
218-01-9	Chrysene	120	280
117-84-0	Di-n-Octyl phthalate	120	< 120 U
205-99-2	Benzo (b) fluoranthene	120	180
207-08-9	Benzo (k) fluoranthene	120	130
50-32-8	Benzo (a) pyrene	120	120
193-39-5	Indeno (1,2,3-cd) pyrene	120	< 120 U
53-70-3	Dibenz (a,h) anthracene	120	< 120 U
191-24-2	Benzo (g,h,i) perylene	120	< 120 U
62-53-3	Aniline	120	< 120 U
90-12-0	1-Methylnaphthalene	120	< 120 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	84.4%	2-Fluorobiphenyl	85.2%
d14-p-Terphenyl	73.8%	d4-1,2-Dichlorobenzene	70.6%
d5-Phenol	79.2%	2-Fluorophenol	77.7%
2,4,6-Tribromophenol	76.7%	d4-2-Chlorophenol	78.8%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC2-4-6

SAMPLE

Lab Sample ID: JH57AB

LIMS ID: 06-7269

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 05/10/06

Date Analyzed: 05/17/06 12:35

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.5 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 56.7%

pH: 10.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	73 B
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
106-44-5	4-Methylphenol	66	< 66 U
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	66	60 J
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	66	< 66 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	66	< 66 U
208-96-8	Acenaphthylene	66	< 66 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	66	< 66 U
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	66	< 66 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
86-73-7	Fluorene	66	< 66 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
85-01-8	Phenanthrene	66	81

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC2-4-6

SAMPLE

Lab Sample ID: JH57AB

LIMS ID: 06-7269

Matrix: Sediment

Date Analyzed: 05/17/06 12:35

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	< 66 U
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	Fluoranthene	66	70
129-00-0	Pyrene	66	70
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	66	< 66 U
117-81-7	bis (2-Ethylhexyl) phthalate	66	92
218-01-9	Chrysene	66	< 66 U
117-84-0	Di-n-Octyl phthalate	66	< 66 U
205-99-2	Benzo (b) fluoranthene	66	< 66 U
207-08-9	Benzo (k) fluoranthene	66	< 66 U
50-32-8	Benzo (a) pyrene	66	< 66 U
193-39-5	Indeno (1,2,3-cd) pyrene	66	< 66 U
191-24-2	Benzo (g,h,i) perylene	66	< 66 U
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	< 66 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	63.6%	2-Fluorobiphenyl	66.8%
d14-p-Terphenyl	72.0%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	65.9%	2-Fluorophenol	61.1%
2,4,6-Tribromophenol	55.5%	d4-2-Chlorophenol	61.1%



## ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2


Sample ID: LDW-SC2-10.7-12

SAMPLE

Lab Sample ID: JH57AC

LIMS ID: 06-7270

Matrix: Sediment

Data Release Authorized: 

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/09/06

Date Received: 02/09/06

Date Extracted: 05/10/06

Date Analyzed: 05/17/06 13:10

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.4 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 22.0%

pH: 8.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	< 66 U
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
106-44-5	4-Methylphenol	66	< 66 U
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	66	< 66 U
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	66	< 66 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	66	< 66 U
208-96-8	Acenaphthylene	66	< 66 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	66	< 66 U
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	66	< 66 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
86-73-7	Fluorene	66	< 66 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
85-01-8	Phenanthrene	66	< 66 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC2-10.7-12

**SAMPLE**

Lab Sample ID: JH57AC

LIMS ID: 06-7270

Matrix: Sediment

Date Analyzed: 05/17/06 13:10

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	< 66 U
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	Fluoranthene	66	< 66 U
129-00-0	Pyrene	66	< 66 U
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	66	< 66 U
117-81-7	bis (2-Ethylhexyl) phthalate	66	< 66 U
218-01-9	Chrysene	66	< 66 U
117-84-0	Di-n-Octyl phthalate	66	< 66 U
205-99-2	Benzo (b) fluoranthene	66	< 66 U
207-08-9	Benzo (k) fluoranthene	66	< 66 U
50-32-8	Benzo (a) pyrene	66	< 66 U
193-39-5	Indeno (1,2,3-cd) pyrene	66	< 66 U
191-24-2	Benzo (g,h,i) perylene	66	< 66 U
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	< 66 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	62.0%	2-Fluorobiphenyl	66.0%
d14-p-Terphenyl	98.8%	d4-1,2-Dichlorobenzene	55.2%
d5-Phenol	68.8%	2-Fluorophenol	67.7%
2,4,6-Tribromophenol	68.3%	d4-2-Chlorophenol	64.5%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC3-0-2  
SAMPLE

Lab Sample ID: JB00S  
LIMS ID: 06-2478  
Matrix: Sediment  
Data Release Authorized: *[Signature]*  
Reported: 02/28/06

QC Report No: JB00-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

Date Extracted: 02/15/06  
Date Analyzed: 02/20/06 16:03  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 1.00  
Percent Moisture: 30.5%  
pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC3-2-4  
**SAMPLE**

Lab Sample ID: JB00T  
 LIMS ID: 06-2479  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 02/28/06

QC Report No: JB00-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/09/06  
 Date Received: 02/09/06

Date Extracted: 02/15/06  
 Date Analyzed: 02/20/06 16:36  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.5 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 27.7%  
 pH: 8.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC3-2-4  
SAMPLE

Lab Sample ID: JB00T  
LIMS ID: 06-2479  
Matrix: Sediment  
Date Analyzed: 02/20/06 16:36

QC Report No: JB00-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	77.2%	2-Fluorobiphenyl	76.0%
d14-p-Terphenyl	88.0%	d4-1,2-Dichlorobenzene	67.6%
d5-Phenol	66.7%	2-Fluorophenol	72.3%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	74.1%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC3-0-2  
SAMPLE

Lab Sample ID: JB00S  
LIMS ID: 06-2478  
Matrix: Sediment  
Date Analyzed: 02/20/06 16:03

QC Report No: JB00-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo(a)anthracene	20	< 20 U
<b>117-81-7</b>	<b>bis(2-Ethylhexyl)phthalate</b>	<b>20</b>	<b>42 B</b>
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	68.0%	2-Fluorobiphenyl	72.0%
d14-p-Terphenyl	76.4%	d4-1,2-Dichlorobenzene	59.6%
d5-Phenol	61.1%	2-Fluorophenol	66.9%
2,4,6-Tribromophenol	65.6%	d4-2-Chlorophenol	68.8%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC4-0-1  
SAMPLE

Lab Sample ID: JB01P  
LIMS ID: 06-2497  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/15/06

QC Report No: JB01-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

Date Extracted: 02/21/06  
Date Analyzed: 03/06/06 19:20  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 30.7%  
pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	39 B
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	79
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	21
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	14 J
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	18 J
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	20
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	24
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	130
120-12-7	Anthracene	20	59

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC4-0-1  
 SAMPLE

Lab Sample ID: JB01P  
 LIMS ID: 06-2497  
 Matrix: Sediment  
 Date Analyzed: 03/06/06 19:20

QC Report No: JB01-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	340
129-00-0	Pyrene	20	360
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	180
117-81-7	bis (2-Ethylhexyl) phthalate	20	420
218-01-9	Chrysene	20	260
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	400
207-08-9	Benzo (k) fluoranthene	20	290
50-32-8	Benzo (a) pyrene	20	200
193-39-5	Indeno (1,2,3-cd) pyrene	20	43
53-70-3	Dibenz (a,h) anthracene	20	12 J
191-24-2	Benzo (g,h,i) perylene	20	39
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	53.6%	2-Fluorobiphenyl	54.4%
d14-p-Terphenyl	54.8%	d4-1,2-Dichlorobenzene	49.2%
d5-Phenol	56.8%	2-Fluorophenol	53.9%
2,4,6-Tribromophenol	61.1%	d4-2-Chlorophenol	55.5%



ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC4-1-2  
SAMPLE

Lab Sample ID: JB01Q  
LIMS ID: 06-2498  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/15/06

QC Report No: JB01-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

Date Extracted: 02/21/06  
Date Analyzed: 03/06/06 19:54  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 44.8 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 36.2%  
pH: 8.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	22	43 B
111-44-4	Bis-(2-Chloroethyl) Ether	22	< 22 U
95-57-8	2-Chlorophenol	22	< 22 U
541-73-1	1,3-Dichlorobenzene	22	< 22 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	22	< 22 U
106-44-5	4-Methylphenol	22	< 22 U
67-72-1	Hexachloroethane	22	< 22 U
98-95-3	Nitrobenzene	22	< 22 U
78-59-1	Isophorone	22	< 22 U
88-75-5	2-Nitrophenol	110	< 110 U
111-91-1	bis(2-Chloroethoxy) Methane	22	< 22 U
120-83-2	2,4-Dichlorophenol	110	< 110 U
91-20-3	<b>Naphthalene</b>	22	190
106-47-8	4-Chloroaniline	110	< 110 U
59-50-7	4-Chloro-3-methylphenol	110	< 110 U
91-57-6	<b>2-Methylnaphthalene</b>	22	24
77-47-4	Hexachlorocyclopentadiene	110	< 110 U
88-06-2	2,4,6-Trichlorophenol	110	< 110 U
95-95-4	2,4,5-Trichlorophenol	110	< 110 U
91-58-7	2-Chloronaphthalene	22	< 22 U
88-74-4	2-Nitroaniline	110	< 110 U
131-11-3	Dimethylphthalate	22	< 22 U
208-96-8	<b>Acenaphthylene</b>	22	15 J
99-09-2	3-Nitroaniline	110	< 110 U
83-32-9	<b>Acenaphthene</b>	22	36
51-28-5	2,4-Dinitrophenol	220	< 220 U
100-02-7	4-Nitrophenol	110	< 110 U
132-64-9	<b>Dibenzofuran</b>	22	26
606-20-2	2,6-Dinitrotoluene	110	< 110 U
121-14-2	2,4-Dinitrotoluene	110	< 110 U
84-66-2	Diethylphthalate	22	< 22 U
7005-72-3	4-Chlorophenyl-phenylether	22	< 22 U
86-73-7	<b>Fluorene</b>	22	42
100-01-6	4-Nitroaniline	110	< 110 U
534-52-1	4,6-Dinitro-2-Methylphenol	220	< 220 U
101-55-3	4-Bromophenyl-phenylether	22	< 22 U
85-01-8	<b>Phenanthrene</b>	22	250
120-12-7	<b>Anthracene</b>	22	78

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC4-1-2  
 SAMPLE

Lab Sample ID: JB01Q  
 LIMS ID: 06-2498  
 Matrix: Sediment  
 Date Analyzed: 03/06/06 19:54

QC Report No: JB01-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	22	32 B
206-44-0	Fluoranthene	22	560
129-00-0	Pyrene	22	500
91-94-1	3,3'-Dichlorobenzidine	110	< 110 U
56-55-3	Benzo (a) anthracene	22	200
117-81-7	bis (2-Ethylhexyl) phthalate	22	830
218-01-9	Chrysene	22	310
117-84-0	Di-n-Octyl phthalate	22	< 22 U
205-99-2	Benzo (b) fluoranthene	22	400
207-08-9	Benzo (k) fluoranthene	22	360
50-32-8	Benzo (a) pyrene	22	250
193-39-5	Indeno (1,2,3-cd) pyrene	22	55
53-70-3	Dibenz (a,h) anthracene	22	15 J
191-24-2	Benzo (g,h,i) perylene	22	48
62-53-3	Aniline	22	< 22 U
90-12-0	1-Methylnaphthalene	22	< 22 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	46.0%	2-Fluorobiphenyl	48.8%
d14-p-Terphenyl	54.0%	d4-1,2-Dichlorobenzene	43.6%
d5-Phenol	51.2%	2-Fluorophenol	47.2%
2,4,6-Tribromophenol	54.7%	d4-2-Chlorophenol	50.4%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC4-2-4  
SAMPLE

Lab Sample ID: JB01R  
LIMS ID: 06-2499  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/15/06

QC Report No: JB01-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/09/06  
Date Received: 02/09/06

Date Extracted: 02/21/06  
Date Analyzed: 03/06/06 20:29  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 29.4%  
pH: 8.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	24 B
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
91-20-3	Naphthalene	20	1,500
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	200
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	190
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	34
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	48
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	81
120-12-7	Anthracene	20	26

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC4-2-4  
SAMPLE

Lab Sample ID: JB01R  
LIMS ID: 06-2499  
Matrix: Sediment  
Date Analyzed: 03/06/06 20:29

QC Report No: JB01-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	150
129-00-0	Pyrene	20	160
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	48
117-81-7	bis (2-Ethylhexyl) phthalate	20	330
218-01-9	Chrysene	20	64
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	72
207-08-9	Benzo (k) fluoranthene	20	65
50-32-8	Benzo (a) pyrene	20	46
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	200

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	54.0%	2-Fluorobiphenyl	53.2%
d14-p-Terphenyl	56.4%	d4-1,2-Dichlorobenzene	51.6%
d5-Phenol	58.4%	2-Fluorophenol	54.9%
2,4,6-Tribromophenol	60.0%	d4-2-Chlorophenol	57.9%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC5-0-1  
 SAMPLE

Lab Sample ID: JC05A  
 LIMS ID: 06-3421  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/20/06

QC Report No: JC05-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/13/06 21:08  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 34.0%  
 pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	170
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
91-20-3	Naphthalene	20	25
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	23
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	61
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	26
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	29
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	89
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	500
120-12-7	Anthracene	20	330

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC5-0-1  
 SAMPLE

Lab Sample ID: JC05A  
 LIMS ID: 06-3421  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 21:08

QC Report No: JC05-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	30 B
206-44-0	Fluoranthene	20	990
129-00-0	Pyrene	20	1,000
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	500
117-81-7	bis (2-Ethylhexyl) phthalate	20	390
218-01-9	Chrysene	20	670
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	810
207-08-9	Benzo (k) fluoranthene	20	680
50-32-8	Benzo (a) pyrene	20	640
193-39-5	Indeno (1,2,3-cd) pyrene	20	190
53-70-3	Dibenz (a, h) anthracene	20	40
191-24-2	Benzo (g, h, i) perylene	20	160
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	58.0%	2-Fluorobiphenyl	58.0%
d14-p-Terphenyl	55.6%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	62.1%	2-Fluorophenol	58.7%
2,4,6-Tribromophenol	64.5%	d4-2-Chlorophenol	59.5%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC5-1-2.2  
SAMPLE

Lab Sample ID: JC05B  
LIMS ID: 06-3422  
Matrix: Sediment  
Data Release Authorized: *AS*  
Reported: 03/20/06

QC Report No: JC05-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/10/06  
Date Received: 02/10/06

Date Extracted: 02/24/06  
Date Analyzed: 03/13/06 21:42  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 39.9%  
pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	33
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	24
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	140
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	55
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	140
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	150
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	70
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	160
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	1,300
120-12-7	Anthracene	20	560

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC5-1-2.2  
**SAMPLE**

Lab Sample ID: JC05B  
 LIMS ID: 06-3422  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 21:42

QC Report No: JC05-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	21 B
206-44-0	Fluoranthene	20	2,000 E
129-00-0	Pyrene	20	2,100 E
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	1,200
117-81-7	bis (2-Ethylhexyl) phthalate	20	< 20 U
218-01-9	Chrysene	20	1,300
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	1,500
207-08-9	Benzo (k) fluoranthene	20	1,300
50-32-8	Benzo (a) pyrene	20	1,400
193-39-5	Indeno (1,2,3-cd) pyrene	20	390
53-70-3	Dibenz (a, h) anthracene	20	84
191-24-2	Benzo (g, h, i) perylene	20	320
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	44

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	55.6%	2-Fluorobiphenyl	55.6%
d14-p-Terphenyl	56.4%	d4-1,2-Dichlorobenzene	49.2%
d5-Phenol	59.2%	2-Fluorophenol	55.7%
2,4,6-Tribromophenol	61.9%	d4-2-Chlorophenol	58.1%



Sample ID: LDW-SC5-1-2.2  
 DILUTION

Lab Sample ID: JC05B  
 LIMS ID: 06-3422  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/20/06

QC Report No: JC05-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/17/06 11:03  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 39.9%  
 pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	38 J
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	<b>Naphthalene</b>	59	150
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	<b>2-Methylnaphthalene</b>	59	55 J
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	<b>Acenaphthylene</b>	59	140
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	<b>Acenaphthene</b>	59	150
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	<b>Dibenzofuran</b>	59	74
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	<b>Fluorene</b>	59	210
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	<b>Phenanthrene</b>	59	1,600
120-12-7	<b>Anthracene</b>	59	580

Lab Sample ID: JC05B  
 LIMS ID: 06-3422  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 11:03

QC Report No: JC05-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	3,100
129-00-0	Pyrene	59	2,500
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	1,600
117-81-7	bis (2-Ethylhexyl) phthalate	59	< 59 U
218-01-9	Chrysene	59	1,600
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	1,400
207-08-9	Benzo (k) fluoranthene	59	1,300
50-32-8	Benzo (a) pyrene	59	1,600
193-39-5	Indeno (1,2,3-cd) pyrene	59	670
53-70-3	Dibenz (a,h) anthracene	59	140
191-24-2	Benzo (g,h,i) perylene	59	480
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	71.6%	2-Fluorobiphenyl	64.2%
d14-p-Terphenyl	50.2%	d4-1,2-Dichlorobenzene	57.0%
d5-Phenol	68.4%	2-Fluorophenol	65.0%
2,4,6-Tribromophenol	62.2%	d4-2-Chlorophenol	61.5%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC5-2.2-4**  
**SAMPLE**

Lab Sample ID: JC05C  
 LIMS ID: 06-3423  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/20/06

QC Report No: JC05-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/13/06 17:07  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 21.8%  
 pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>20</b>	<b>16 J</b>
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>20</b>	<b>18 J</b>
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>20</b>	<b>22</b>
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>100</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>20</b>	<b>62</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC5-2.2-4  
**SAMPLE**

Lab Sample ID: JC05C  
 LIMS ID: 06-3423  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 17:07

QC Report No: JC05-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	140
129-00-0	Pyrene	20	820
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	160
117-81-7	bis (2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	270
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	290
207-08-9	Benzo (k) fluoranthene	20	210
50-32-8	Benzo (a) pyrene	20	240
193-39-5	Indeno (1,2,3-cd) pyrene	20	100
53-70-3	Dibenz (a, h) anthracene	20	24
191-24-2	Benzo (g, h, i) perylene	20	96
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	59.6%	2-Fluorobiphenyl	58.0%
d14-p-Terphenyl	58.4%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	60.8%	2-Fluorophenol	57.1%
2,4,6-Tribromophenol	58.4%	d4-2-Chlorophenol	58.1%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC6-0-2  
**SAMPLE**

Lab Sample ID: JB20A  
 LIMS ID: 06-2573  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/22/06  
 Date Analyzed: 03/07/06 22:32  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 45.8%  
 pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	40
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	<b>Naphthalene</b>	20	13 J
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	<b>Dimethylphthalate</b>	20	9.9 J
208-96-8	<b>Acenaphthylene</b>	20	28
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	<b>Acenaphthene</b>	20	17 J
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	<b>Fluorene</b>	20	25
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	<b>Phenanthrene</b>	20	200
120-12-7	<b>Anthracene</b>	20	110

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC6-0-2  
SAMPLE

Lab Sample ID: JB20A  
LIMS ID: 06-2573  
Matrix: Sediment  
Date Analyzed: 03/07/06 22:32

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	33 B
206-44-0	Fluoranthene	20	530
129-00-0	Pyrene	20	760
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	260
117-81-7	bis (2-Ethylhexyl)phthalate	20	480
218-01-9	Chrysene	20	530
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	810
207-08-9	Benzo (k) fluoranthene	20	490
50-32-8	Benzo (a) pyrene	20	380
193-39-5	Indeno (1,2,3-cd) pyrene	20	95
53-70-3	Dibenz (a,h) anthracene	20	27
191-24-2	Benzo (g,h,i) perylene	20	82
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	48.8%	2-Fluorobiphenyl	56.8%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	49.2%
d5-Phenol	52.0%	2-Fluorophenol	53.3%
2,4,6-Tribromophenol	68.5%	d4-2-Chlorophenol	55.7%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2


Sample ID: LDW-SC6-0-2

DILUTION

Lab Sample ID: JB20A

LIMS ID: 06-2573

Matrix: Sediment

Data Release Authorized: 

Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Date Extracted: 02/22/06

Date Analyzed: 03/09/06 14:20

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 3.00

Percent Moisture: 45.8%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	37 J
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	190
120-12-7	Anthracene	59	100

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC6-0-2  
 DILUTION

Lab Sample ID: JB20A  
 LIMS ID: 06-2573  
 Matrix: Sediment  
 Date Analyzed: 03/09/06 14:20

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	540
129-00-0	Pyrene	59	590
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	250
117-81-7	bis (2-Ethylhexyl) phthalate	59	400
218-01-9	Chrysene	59	530
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	600
207-08-9	Benzo (k) fluoranthene	59	420
50-32-8	Benzo (a) pyrene	59	340
193-39-5	Indeno (1, 2, 3-cd) pyrene	59	85
53-70-3	Dibenz (a, h) anthracene	59	38 J
191-24-2	Benzo (g, h, i) perylene	59	69
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	55.7%	2-Fluorobiphenyl	57.2%
d14-p-Terphenyl	44.4%	d4-1,2-Dichlorobenzene	47.4%
d5-Phenol	50.3%	2-Fluorophenol	50.7%
2,4,6-Tribromophenol	53.2%	d4-2-Chlorophenol	52.6%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC6-2-4.5**  
**SAMPLE**

Lab Sample ID: JB20B  
 LIMS ID: 06-2574  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/22/06  
 Date Analyzed: 03/07/06 15:43  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 41.2%  
 pH: 7.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	33
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	<b>Naphthalene</b>	20	14 J
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	<b>Acenaphthylene</b>	20	17 J
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	<b>Acenaphthene</b>	20	16 J
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	<b>Fluorene</b>	20	26
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	<b>Phenanthrene</b>	20	170
120-12-7	<b>Anthracene</b>	20	97

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC6-2-4.5  
SAMPLE

Lab Sample ID: JB20B  
LIMS ID: 06-2574  
Matrix: Sediment  
Date Analyzed: 03/07/06 15:43

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	40 B
206-44-0	Fluoranthene	20	320
129-00-0	Pyrene	20	830
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	200
117-81-7	bis (2-Ethylhexyl)phthalate	20	1,100
218-01-9	Chrysene	20	340
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	590
207-08-9	Benzo (k) fluoranthene	20	420
50-32-8	Benzo (a) pyrene	20	350
193-39-5	Indeno (1,2,3-cd) pyrene	20	68
53-70-3	Dibenz (a, h) anthracene	20	18 J
191-24-2	Benzo (g, h, i) perylene	20	61
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	50.8%	2-Fluorobiphenyl	57.2%
d14-p-Terphenyl	58.4%	d4-1,2-Dichlorobenzene	50.0%
d5-Phenol	54.7%	2-Fluorophenol	53.1%
2,4,6-Tribromophenol	66.9%	d4-2-Chlorophenol	56.5%

## ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC6-6-8

SAMPLE

Lab Sample ID: JH57P

LIMS ID: 06-7257

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 17:48

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.7 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 23.4%

pH: 8.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	65	< 65 U
111-44-4	Bis-(2-Chloroethyl) Ether	65	< 65 U
95-57-8	2-Chlorophenol	65	< 65 U
541-73-1	1,3-Dichlorobenzene	65	< 65 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	65	< 65 U
106-44-5	4-Methylphenol	65	< 65 U
67-72-1	Hexachloroethane	65	< 65 U
98-95-3	Nitrobenzene	65	< 65 U
78-59-1	Isophorone	65	< 65 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	65	< 65 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	65	< 65 U
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	65	< 65 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	65	< 65 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	65	< 65 U
208-96-8	Acenaphthylene	65	< 65 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	65	< 65 U
51-28-5	2,4-Dinitrophenol	650	< 650 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	65	< 65 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	65	< 65 U
7005-72-3	4-Chlorophenyl-phenylether	65	< 65 U
86-73-7	Fluorene	65	< 65 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	650	< 650 U
101-55-3	4-Bromophenyl-phenylether	65	< 65 U
85-01-8	Phenanthrene	65	< 65 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC6-6-8  
SAMPLE

Lab Sample ID: JH57P  
LIMS ID: 06-7257  
Matrix: Sediment  
Date Analyzed: 05/16/06 17:48

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	65	< 65 U
84-74-2	Di-n-Butylphthalate	65	< 65 U
206-44-0	Fluoranthene	65	< 65 U
<b>129-00-0</b>	<b>Pyrene</b>	<b>65</b>	<b>53 J</b>
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	65	< 65 U
117-81-7	bis (2-Ethylhexyl) phthalate	65	< 65 U
218-01-9	Chrysene	65	< 65 U
117-84-0	Di-n-Octyl phthalate	65	< 65 U
205-99-2	Benzo (b) fluoranthene	65	< 65 U
207-08-9	Benzo (k) fluoranthene	65	< 65 U
50-32-8	Benzo (a) pyrene	65	< 65 U
193-39-5	Indeno (1,2,3-cd) pyrene	65	< 65 U
191-24-2	Benzo (g,h,i) perylene	65	< 65 U
62-53-3	Aniline	65	< 65 U
90-12-0	1-Methylnaphthalene	65	< 65 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	68.0%	2-Fluorobiphenyl	68.0%
d14-p-Terphenyl	98.8%	d4-1,2-Dichlorobenzene	60.4%
d5-Phenol	66.1%	2-Fluorophenol	67.5%
2,4,6-Tribromophenol	64.8%	d4-2-Chlorophenol	64.5%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC7-0-1

**SAMPLE**

Lab Sample ID: JB20AB

LIMS ID: 06-2600

Matrix: Sediment

Data Release Authorized:

Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Date Extracted: 02/22/06

Date Analyzed: 03/07/06 19:08

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 38.2%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	14 J
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	14 J
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	14 J
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	21
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	19 J
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	200
120-12-7	Anthracene	20	69

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC7-0-1

SAMPLE

Lab Sample ID: JB20AB

LIMS ID: 06-2600

Matrix: Sediment

Date Analyzed: 03/07/06 19:08

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	32 B
206-44-0	Fluoranthene	20	460
129-00-0	Pyrene	20	600
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	180
117-81-7	bis (2-Ethylhexyl) phthalate	20	1,200
218-01-9	Chrysene	20	260
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	480
207-08-9	Benzo (k) fluoranthene	20	400
50-32-8	Benzo (a) pyrene	20	300
193-39-5	Indeno (1,2,3-cd) pyrene	20	77
53-70-3	Dibenz (a,h) anthracene	20	21
191-24-2	Benzo (g,h,i) perylene	20	80
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	49.2%	2-Fluorobiphenyl	59.6%
d14-p-Terphenyl	64.8%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	53.3%	2-Fluorophenol	52.0%
2,4,6-Tribromophenol	70.7%	d4-2-Chlorophenol	56.8%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC7-0-1  
 DILUTION

Lab Sample ID: JB20AB  
 LIMS ID: 06-2600  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/22/06  
 Date Analyzed: 03/09/06 15:29  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 38.2%  
 pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	180
120-12-7	Anthracene	60	61

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC7-0-1  
 DILUTION

Lab Sample ID: JB20AB  
 LIMS ID: 06-2600  
 Matrix: Sediment  
 Date Analyzed: 03/09/06 15:29

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	430
129-00-0	Pyrene	60	410
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	170
117-81-7	bis (2-Ethylhexyl) phthalate	60	980
218-01-9	Chrysene	60	240
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	390
207-08-9	Benzo (k) fluoranthene	60	280
50-32-8	Benzo (a) pyrene	60	260
193-39-5	Indeno (1,2,3-cd) pyrene	60	62
53-70-3	Dibenz (a,h) anthracene	60	< 60 U
191-24-2	Benzo (g,h,i) perylene	60	56 J
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	51.5%	2-Fluorobiphenyl	54.2%
d14-p-Terphenyl	40.3%	d4-1,2-Dichlorobenzene	45.4%
d5-Phenol	48.0%	2-Fluorophenol	47.3%
2,4,6-Tribromophenol	49.8%	d4-2-Chlorophenol	49.0%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC7-1-1.7  
**SAMPLE**

Lab Sample ID: JB20AC  
 LIMS ID: 06-2601  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/22/06  
 Date Analyzed: 03/07/06 19:42  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 24.1%  
 pH: 7.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	32
120-12-7	Anthracene	20	11 J

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC7-1-1.7  
SAMPLE

Lab Sample ID: JB20AC  
LIMS ID: 06-2601  
Matrix: Sediment  
Date Analyzed: 03/07/06 19:42

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	20 B
206-44-0	Fluoranthene	20	62
129-00-0	Pyrene	20	120
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	24
117-81-7	bis (2-Ethylhexyl) phthalate	20	240
218-01-9	Chrysene	20	33
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	74
207-08-9	Benzo (k) fluoranthene	20	60
50-32-8	Benzo (a) pyrene	20	46
193-39-5	Indeno (1,2,3-cd) pyrene	20	13 J
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	12 J
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	46.8%	2-Fluorobiphenyl	55.2%
d14-p-Terphenyl	54.0%	d4-1,2-Dichlorobenzene	48.8%
d5-Phenol	48.8%	2-Fluorophenol	48.8%
2,4,6-Tribromophenol	66.4%	d4-2-Chlorophenol	52.8%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC7-1.7-4  
SAMPLE

Lab Sample ID: JB20AD  
LIMS ID: 06-2602  
Matrix: Sediment  
Data Release Authorized: *AB*  
Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/10/06  
Date Received: 02/10/06

Date Extracted: 02/22/06  
Date Analyzed: 03/07/06 20:16  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 18.2%  
pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC7-1.7-4  
 SAMPLE

Lab Sample ID: JB20AD  
 LIMS ID: 06-2602  
 Matrix: Sediment  
 Date Analyzed: 03/07/06 20:16

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	< 20 U
<b>117-81-7</b>	<b>bis(2-Ethylhexyl)phthalate</b>	<b>20</b>	<b>13 J</b>
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	49.6%	2-Fluorobiphenyl	57.2%
d14-p-Terphenyl	61.2%	d4-1,2-Dichlorobenzene	51.6%
d5-Phenol	49.9%	2-Fluorophenol	45.3%
2,4,6-Tribromophenol	56.8%	d4-2-Chlorophenol	51.2%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC8-0-1  
SAMPLE

Lab Sample ID: JB20V  
LIMS ID: 06-2594  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/10/06  
Date Received: 02/10/06

Date Extracted: 02/22/06  
Date Analyzed: 03/07/06 17:25  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 39.2%  
pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	42
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	<b>Naphthalene</b>	20	16 J
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	<b>Acenaphthylene</b>	20	24
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	<b>Acenaphthene</b>	20	21
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	<b>Fluorene</b>	20	22
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	<b>Phenanthrene</b>	20	210
120-12-7	<b>Anthracene</b>	20	97

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC8-0-1  
**SAMPLE**

Lab Sample ID: JB20V  
 LIMS ID: 06-2594  
 Matrix: Sediment  
 Date Analyzed: 03/07/06 17:25

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	32 B
206-44-0	Fluoranthene	20	500
129-00-0	Pyrene	20	680
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	220
117-81-7	bis (2-Ethylhexyl) phthalate	20	630
218-01-9	Chrysene	20	370
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	680
207-08-9	Benzo (k) fluoranthene	20	490
50-32-8	Benzo (a) pyrene	20	380
193-39-5	Indeno (1, 2, 3-cd) pyrene	20	93
53-70-3	Dibenz (a, h) anthracene	20	25
191-24-2	Benzo (g, h, i) perylene	20	80
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	51.6%	2-Fluorobiphenyl	60.8%
d14-p-Terphenyl	61.6%	d4-1,2-Dichlorobenzene	54.0%
d5-Phenol	57.6%	2-Fluorophenol	56.3%
2,4,6-Tribromophenol	72.0%	d4-2-Chlorophenol	60.8%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC8-1-2

SAMPLE

Lab Sample ID: JB20W

LIMS ID: 06-2595

Matrix: Sediment

Data Release Authorized:

Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Date Extracted: 02/22/06

Date Analyzed: 03/07/06 17:59

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 50.5 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 39.5%

pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	31
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	<b>Naphthalene</b>	20	15 J
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	<b>Acenaphthylene</b>	20	19 J
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	<b>Acenaphthene</b>	20	24
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	<b>Fluorene</b>	20	29
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	<b>Phenanthrene</b>	20	170
120-12-7	<b>Anthracene</b>	20	98

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC8-1-2  
SAMPLE

Lab Sample ID: JB20W  
LIMS ID: 06-2595  
Matrix: Sediment  
Date Analyzed: 03/07/06 17:59

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	23 B
206-44-0	Fluoranthene	20	590
129-00-0	Pyrene	20	690
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	450
117-81-7	bis (2-Ethylhexyl) phthalate	20	470
218-01-9	Chrysene	20	540
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	680
207-08-9	Benzo (k) fluoranthene	20	480
50-32-8	Benzo (a) pyrene	20	360
193-39-5	Indeno (1, 2, 3-cd) pyrene	20	66
53-70-3	Dibenz (a, h) anthracene	20	20
191-24-2	Benzo (g, h, i) perylene	20	60
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	45.6%	2-Fluorobiphenyl	55.2%
d14-p-Terphenyl	50.4%	d4-1,2-Dichlorobenzene	48.4%
d5-Phenol	50.1%	2-Fluorophenol	49.1%
2,4,6-Tribromophenol	65.6%	d4-2-Chlorophenol	52.8%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC8-2-4  
**SAMPLE**

Lab Sample ID: JB20X  
 LIMS ID: 06-2596  
 Matrix: Sediment  
 Data Release Authorized: *[Signature]*  
 Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/22/06  
 Date Analyzed: 03/07/06 18:33  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 33.5%  
 pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	<b>Phenol</b>	20	38
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	<b>4-Methylphenol</b>	20	23
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	<b>Naphthalene</b>	20	19 J
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	<b>Acenaphthylene</b>	20	15 J
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	<b>Acenaphthene</b>	20	47
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	<b>Dibenzofuran</b>	20	28
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	<b>Fluorene</b>	20	71
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	<b>Phenanthrene</b>	20	200
120-12-7	<b>Anthracene</b>	20	120

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC8-2-4  
**SAMPLE**

Lab Sample ID: JB20X  
 LIMS ID: 06-2596  
 Matrix: Sediment  
 Date Analyzed: 03/07/06 18:33

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	31 B
206-44-0	Fluoranthene	20	680
129-00-0	Pyrene	20	530
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	200
117-81-7	bis (2-Ethylhexyl)phthalate	20	1,800 E
218-01-9	Chrysene	20	260
117-84-0	Di-n-Octyl phthalate	20	14 J
205-99-2	Benzo (b) fluoranthene	20	180
207-08-9	Benzo (k) fluoranthene	20	270
50-32-8	Benzo (a) pyrene	20	170
193-39-5	Indeno (1,2,3-cd) pyrene	20	38
53-70-3	Dibenz (a,h) anthracene	20	11 J
191-24-2	Benzo (g,h,i) perylene	20	38
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	51.2%	2-Fluorobiphenyl	60.4%
d14-p-Terphenyl	64.8%	d4-1,2-Dichlorobenzene	53.6%
d5-Phenol	54.1%	2-Fluorophenol	53.6%
2,4,6-Tribromophenol	73.3%	d4-2-Chlorophenol	57.9%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC8-2-4  
DILUTION

Lab Sample ID: JB20X  
LIMS ID: 06-2596  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/10/06  
Date Received: 02/10/06

Date Extracted: 02/22/06  
Date Analyzed: 03/09/06 14:55  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 3.00  
Percent Moisture: 33.5%  
pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>59</b>	<b>42 J</b>
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>59</b>	<b>62</b>
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>59</b>	<b>190</b>
120-12-7	Anthracene	59	110

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC8-2-4  
 DILUTION

Lab Sample ID: JB20X  
 LIMS ID: 06-2596  
 Matrix: Sediment  
 Date Analyzed: 03/09/06 14:55

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	780
129-00-0	Pyrene	59	400
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	180
117-81-7	bis (2-Ethylhexyl)phthalate	59	1,600
218-01-9	Chrysene	59	240
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	210
207-08-9	Benzo (k) fluoranthene	59	170
50-32-8	Benzo (a) pyrene	59	160
193-39-5	Indeno (1,2,3-cd) pyrene	59	32 J
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	33 J
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	56.6%	2-Fluorobiphenyl	59.0%
d14-p-Terphenyl	44.4%	d4-1,2-Dichlorobenzene	50.0%
d5-Phenol	53.5%	2-Fluorophenol	52.2%
2,4,6-Tribromophenol	53.4%	d4-2-Chlorophenol	54.0%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC8-4-6


SAMPLE

Lab Sample ID: JH57Q

LIMS ID: 06-7258

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06 

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 18:23

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.7 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 33.9%

pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	65	< 65 U
111-44-4	Bis-(2-Chloroethyl) Ether	65	< 65 U
95-57-8	2-Chlorophenol	65	< 65 U
541-73-1	1,3-Dichlorobenzene	65	< 65 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	65	< 65 U
<b>106-44-5</b>	<b>4-Methylphenol</b>	<b>65</b>	<b>42 J</b>
67-72-1	Hexachloroethane	65	< 65 U
98-95-3	Nitrobenzene	65	< 65 U
78-59-1	Isophorone	65	< 65 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	65	< 65 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>65</b>	<b>73</b>
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>65</b>	<b>63 J</b>
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	65	< 65 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	65	< 65 U
208-96-8	Acenaphthylene	65	< 65 U
99-09-2	3-Nitroaniline	330	< 330 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>65</b>	<b>190</b>
51-28-5	2,4-Dinitrophenol	650	< 650 U
100-02-7	4-Nitrophenol	330	< 330 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>65</b>	<b>100</b>
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	65	< 65 U
7005-72-3	4-Chlorophenyl-phenylether	65	< 65 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>65</b>	<b>240</b>
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	650	< 650 U
101-55-3	4-Bromophenyl-phenylether	65	< 65 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>65</b>	<b>910</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC8-4-6  
SAMPLE

Lab Sample ID: JH57Q  
LIMS ID: 06-7258  
Matrix: Sediment  
Date Analyzed: 05/16/06 18:23

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	65	260
84-74-2	Di-n-Butylphthalate	65	< 65 U
206-44-0	Fluoranthene	65	1,300
129-00-0	Pyrene	65	930
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	65	330
117-81-7	bis (2-Ethylhexyl) phthalate	65	2,200
218-01-9	Chrysene	65	370
117-84-0	Di-n-Octyl phthalate	65	< 65 U
205-99-2	Benzo (b) fluoranthene	65	310
207-08-9	Benzo (k) fluoranthene	65	150
50-32-8	Benzo (a) pyrene	65	210
193-39-5	Indeno (1,2,3-cd) pyrene	65	68
191-24-2	Benzo (g,h,i) perylene	65	76
62-53-3	Aniline	65	< 65 U
90-12-0	1-Methylnaphthalene	65	< 65 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	79.6%	2-Fluorobiphenyl	82.8%
d14-p-Terphenyl	66.8%	d4-1,2-Dichlorobenzene	64.0%
d5-Phenol	77.1%	2-Fluorophenol	74.7%
2,4,6-Tribromophenol	82.1%	d4-2-Chlorophenol	73.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC8-6-8

SAMPLE

Lab Sample ID: JH57R

LIMS ID: 06-7259

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 18:58

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.6 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 41.4%

pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	65	< 65 U
111-44-4	Bis-(2-Chloroethyl) Ether	65	< 65 U
95-57-8	2-Chlorophenol	65	< 65 U
541-73-1	1,3-Dichlorobenzene	65	< 65 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	65	< 65 U
106-44-5	4-Methylphenol	65	< 65 U
67-72-1	Hexachloroethane	65	< 65 U
98-95-3	Nitrobenzene	65	< 65 U
78-59-1	Isophorone	65	< 65 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	65	< 65 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	65	< 65 U
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	65	< 65 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	65	< 65 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	65	< 65 U
208-96-8	Acenaphthylene	65	< 65 U
99-09-2	3-Nitroaniline	330	< 330 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>65</b>	<b>51 J</b>
51-28-5	2,4-Dinitrophenol	650	< 650 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	65	< 65 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	65	< 65 U
7005-72-3	4-Chlorophenyl-phenylether	65	< 65 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>65</b>	<b>120</b>
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	650	< 650 U
101-55-3	4-Bromophenyl-phenylether	65	< 65 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>65</b>	<b>460</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC8-6-8

SAMPLE

Lab Sample ID: JH57R

LIMS ID: 06-7259

Matrix: Sediment

Date Analyzed: 05/16/06 18:58

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	65	140
84-74-2	Di-n-Butylphthalate	65	< 65 U
206-44-0	Fluoranthene	65	730
129-00-0	Pyrene	65	700
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	65	250
117-81-7	bis (2-Ethylhexyl) phthalate	65	1,400
218-01-9	Chrysene	65	310
117-84-0	Di-n-Octyl phthalate	65	< 65 U
205-99-2	Benzo (b) fluoranthene	65	290
207-08-9	Benzo (k) fluoranthene	65	160
50-32-8	Benzo (a) pyrene	65	200
193-39-5	Indeno (1,2,3-cd) pyrene	65	70
191-24-2	Benzo (g,h,i) perylene	65	76
62-53-3	Aniline	65	< 65 U
90-12-0	1-Methylnaphthalene	65	< 65 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	69.2%	2-Fluorobiphenyl	70.8%
d14-p-Terphenyl	54.8%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	65.6%	2-Fluorophenol	65.6%
2,4,6-Tribromophenol	74.1%	d4-2-Chlorophenol	62.9%





**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC8-8-10  
 SAMPLE

Lab Sample ID: JO76A  
 LIMS ID: 06-11849  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 07/28/06

QC Report No: JO76-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 07/22/06  
 Date Analyzed: 07/26/06 13:02  
 Instrument/Analyst: NT6/LJR  
 GPC Cleanup: Yes

Sample Amount: 32.1 g-dry-wt  
 Final Extract Volume: 2.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 45.6%  
 pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
85-01-8	Phenanthrene	62	110

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC8-8-10  
SAMPLE

Lab Sample ID: JO76A  
LIMS ID: 06-11849  
Matrix: Sediment  
Date Analyzed: 07/26/06 13:02

QC Report No: JO76-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	63
84-74-2	Di-n-Butylphthalate	62	42 J
206-44-0	Fluoranthene	62	350
129-00-0	Pyrene	62	470
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	140
117-81-7	bis (2-Ethylhexyl) phthalate	62	260
218-01-9	Chrysene	62	190
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	210
207-08-9	Benzo (k) fluoranthene	62	230
50-32-8	Benzo (a) pyrene	62	200
193-39-5	Indeno (1,2,3-cd) pyrene	62	97
191-24-2	Benzo (g,h,i) perylene	62	100
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	58.8%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	42.0%	d4-1,2-Dichlorobenzene	48.0%
d5-Phenol	61.9%	2-Fluorophenol	58.9%
2,4,6-Tribromophenol	69.3%	d4-2-Chlorophenol	58.4%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC9-0-1  
SAMPLE

Lab Sample ID: JB30S  
LIMS ID: 06-2820  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/16/06

QC Report No: JB30-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/13/06  
Date Received: 02/14/06

Date Extracted: 02/22/06  
Date Analyzed: 03/09/06 18:53  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 31.9%  
pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	47
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	17 J
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	29
106-47-8	4-Chloroaniline	99	47 J
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	38
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	14 J
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	14 J
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	21
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	130
120-12-7	Anthracene	20	59

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

**Sample ID: LDW-SC9-0-1**  
**SAMPLE**

Lab Sample ID: JB30S  
 LIMS ID: 06-2820  
 Matrix: Sediment  
 Date Analyzed: 03/09/06 18:53

QC Report No: JB30-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	35 B
206-44-0	Fluoranthene	20	250
129-00-0	Pyrene	20	350
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	97
117-81-7	bis (2-Ethylhexyl) phthalate	20	1,800 E
218-01-9	Chrysene	20	180
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	220
207-08-9	Benzo (k) fluoranthene	20	190
50-32-8	Benzo (a) pyrene	20	130
193-39-5	Indeno (1,2,3-cd) pyrene	20	24
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	26
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	20

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	42.8%	2-Fluorobiphenyl	44.0%
d14-p-Terphenyl	44.4%	d4-1,2-Dichlorobenzene	40.4%
d5-Phenol	41.9%	2-Fluorophenol	43.5%
2,4,6-Tribromophenol	55.7%	d4-2-Chlorophenol	43.7%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC9-0-1

DILUTION

Lab Sample ID: JB30S

LIMS ID: 06-2820

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/16/06

QC Report No: JB30-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/14/06

Date Extracted: 02/22/06

Date Analyzed: 03/13/06 00:50

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 5.00

Percent Moisture: 31.9%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	< 99 U
111-44-4	Bis-(2-Chloroethyl) Ether	99	< 99 U
95-57-8	2-Chlorophenol	99	< 99 U
541-73-1	1,3-Dichlorobenzene	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
67-72-1	Hexachloroethane	99	< 99 U
98-95-3	Nitrobenzene	99	< 99 U
78-59-1	Isophorone	99	< 99 U
88-75-5	2-Nitrophenol	490	< 490 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	490	< 490 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	99	< 99 U
77-47-4	Hexachlorocyclopentadiene	490	< 490 U
88-06-2	2,4,6-Trichlorophenol	490	< 490 U
95-95-4	2,4,5-Trichlorophenol	490	< 490 U
91-58-7	2-Chloronaphthalene	99	< 99 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	99	< 99 U
208-96-8	Acenaphthylene	99	< 99 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	99	< 99 U
51-28-5	2,4-Dinitrophenol	990	< 990 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	99	< 99 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	99	< 99 U
7005-72-3	4-Chlorophenyl-phenylether	99	< 99 U
86-73-7	Fluorene	99	< 99 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	990	< 990 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>99</b>	<b>120</b>
120-12-7	Anthracene	99	< 99 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC9-0-1  
 DILUTION

Lab Sample ID: JB30S  
 LIMS ID: 06-2820  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 00:50

QC Report No: JB30-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	200
129-00-0	Pyrene	99	320
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	99	96 J
117-81-7	bis (2-Ethylhexyl)phthalate	99	1,700
218-01-9	Chrysene	99	160
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo (b) fluoranthene	99	140
207-08-9	Benzo (k) fluoranthene	99	110
50-32-8	Benzo (a) pyrene	99	110
193-39-5	Indeno (1,2,3-cd) pyrene	99	61 J
53-70-3	Dibenz (a, h) anthracene	99	< 99 U
191-24-2	Benzo (g, h, i) perylene	99	68 J
62-53-3	Aniline	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	42.6%	2-Fluorobiphenyl	42.2%
d14-p-Terphenyl	36.0%	d4-1,2-Dichlorobenzene	36.8%
d5-Phenol	38.7%	2-Fluorophenol	39.5%
2,4,6-Tribromophenol	38.3%	d4-2-Chlorophenol	38.8%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC9-1-2.6  
**SAMPLE**

Lab Sample ID: JB30T  
 LIMS ID: 06-2821  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/16/06

QC Report No: JB30-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/13/06  
 Date Received: 02/14/06

Date Extracted: 02/22/06  
 Date Analyzed: 03/09/06 20:36  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 45.5 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 49.5%  
 pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	22	73
111-44-4	Bis-(2-Chloroethyl) Ether	22	< 22 U
95-57-8	2-Chlorophenol	22	< 22 U
541-73-1	1,3-Dichlorobenzene	22	< 22 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	22	< 22 U
106-44-5	4-Methylphenol	22	16 J
67-72-1	Hexachloroethane	22	< 22 U
98-95-3	Nitrobenzene	22	< 22 U
78-59-1	Isophorone	22	< 22 U
88-75-5	2-Nitrophenol	110	< 110 U
111-91-1	bis(2-Chloroethoxy) Methane	22	< 22 U
120-83-2	2,4-Dichlorophenol	110	< 110 U
91-20-3	Naphthalene	22	24
106-47-8	4-Chloroaniline	110	< 110 U
59-50-7	4-Chloro-3-methylphenol	110	< 110 U
91-57-6	2-Methylnaphthalene	22	27
77-47-4	Hexachlorocyclopentadiene	110	< 110 U
88-06-2	2,4,6-Trichlorophenol	110	< 110 U
95-95-4	2,4,5-Trichlorophenol	110	< 110 U
91-58-7	2-Chloronaphthalene	22	< 22 U
88-74-4	2-Nitroaniline	110	< 110 U
131-11-3	Dimethylphthalate	22	< 22 U
208-96-8	Acenaphthylene	22	15 J
99-09-2	3-Nitroaniline	110	< 110 U
83-32-9	Acenaphthene	22	12 J
51-28-5	2,4-Dinitrophenol	220	< 220 U
100-02-7	4-Nitrophenol	110	< 110 U
132-64-9	Dibenzofuran	22	< 22 U
606-20-2	2,6-Dinitrotoluene	110	< 110 U
121-14-2	2,4-Dinitrotoluene	110	< 110 U
84-66-2	Diethylphthalate	22	< 22 U
7005-72-3	4-Chlorophenyl-phenylether	22	< 22 U
86-73-7	Fluorene	22	21 J
100-01-6	4-Nitroaniline	110	< 110 U
534-52-1	4,6-Dinitro-2-Methylphenol	220	< 220 U
101-55-3	4-Bromophenyl-phenylether	22	< 22 U
85-01-8	Phenanthrene	22	90
120-12-7	Anthracene	22	63

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC9-1-2.6  
SAMPLE

Lab Sample ID: JB30T  
LIMS ID: 06-2821  
Matrix: Sediment  
Date Analyzed: 03/09/06 20:36

QC Report No: JB30-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	22	38 B
206-44-0	Fluoranthene	22	200
129-00-0	Pyrene	22	560
91-94-1	3,3'-Dichlorobenzidine	110	< 110 U
56-55-3	Benzo (a) anthracene	22	72
117-81-7	bis (2-Ethylhexyl) phthalate	22	1,200
218-01-9	Chrysene	22	160
117-84-0	Di-n-Octyl phthalate	22	< 22 U
205-99-2	Benzo (b) fluoranthene	22	220
207-08-9	Benzo (k) fluoranthene	22	200
50-32-8	Benzo (a) pyrene	22	170
193-39-5	Indeno (1,2,3-cd) pyrene	22	30
53-70-3	Dibenz (a, h) anthracene	22	< 22 U
191-24-2	Benzo (g, h, i) perylene	22	39
62-53-3	Aniline	22	< 22 U
90-12-0	1-Methylnaphthalene	22	< 22 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	34.6%	2-Fluorobiphenyl	39.4%
d14-p-Terphenyl	31.6%	d4-1,2-Dichlorobenzene	36.8%
d5-Phenol	35.2%	2-Fluorophenol	35.2%
2,4,6-Tribromophenol	52.5%	d4-2-Chlorophenol	38.7%



ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC9-1-2.6  
DILUTION

Lab Sample ID: JB30T  
LIMS ID: 06-2821  
Matrix: Sediment  
Data Release Authorized: *[Signature]*  
Reported: 03/16/06

QC Report No: JB30-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/13/06  
Date Received: 02/14/06

Date Extracted: 02/22/06  
Date Analyzed: 03/13/06 01:25  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 45.5 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 10.0  
Percent Moisture: 49.5%  
pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	220	< 220 U
111-44-4	Bis-(2-Chloroethyl) Ether	220	< 220 U
95-57-8	2-Chlorophenol	220	< 220 U
541-73-1	1,3-Dichlorobenzene	220	< 220 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	220	< 220 U
106-44-5	4-Methylphenol	220	< 220 U
67-72-1	Hexachloroethane	220	< 220 U
98-95-3	Nitrobenzene	220	< 220 U
78-59-1	Isophorone	220	< 220 U
88-75-5	2-Nitrophenol	1,100	< 1,100 U
111-91-1	bis(2-Chloroethoxy) Methane	220	< 220 U
120-83-2	2,4-Dichlorophenol	1,100	< 1,100 U
91-20-3	Naphthalene	220	< 220 U
106-47-8	4-Chloroaniline	1,100	< 1,100 U
59-50-7	4-Chloro-3-methylphenol	1,100	< 1,100 U
91-57-6	2-Methylnaphthalene	220	< 220 U
77-47-4	Hexachlorocyclopentadiene	1,100	< 1,100 U
88-06-2	2,4,6-Trichlorophenol	1,100	< 1,100 U
95-95-4	2,4,5-Trichlorophenol	1,100	< 1,100 U
91-58-7	2-Chloronaphthalene	220	< 220 U
88-74-4	2-Nitroaniline	1,100	< 1,100 U
131-11-3	Dimethylphthalate	220	< 220 U
208-96-8	Acenaphthylene	220	< 220 U
99-09-2	3-Nitroaniline	1,100	< 1,100 U
83-32-9	Acenaphthene	220	< 220 U
51-28-5	2,4-Dinitrophenol	2,200	< 2,200 U
100-02-7	4-Nitrophenol	1,100	< 1,100 U
132-64-9	Dibenzofuran	220	< 220 U
606-20-2	2,6-Dinitrotoluene	1,100	< 1,100 U
121-14-2	2,4-Dinitrotoluene	1,100	< 1,100 U
84-66-2	Diethylphthalate	220	< 220 U
7005-72-3	4-Chlorophenyl-phenylether	220	< 220 U
86-73-7	Fluorene	220	< 220 U
100-01-6	4-Nitroaniline	1,100	< 1,100 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,200	< 2,200 U
101-55-3	4-Bromophenyl-phenylether	220	< 220 U
85-01-8	Phenanthrene	220	< 220 U
120-12-7	Anthracene	220	< 220 U

Lab Sample ID: JB30T  
 LIMS ID: 06-2821  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 01:25

QC Report No: JB30-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	220	< 220 U
206-44-0	Fluoranthene	220	220 J
129-00-0	Pyrene	220	530
91-94-1	3,3'-Dichlorobenzidine	1,100	< 1,100 U
56-55-3	Benzo(a)anthracene	220	< 220 U
117-81-7	bis(2-Ethylhexyl)phthalate	220	1,200
218-01-9	Chrysene	220	170 J
117-84-0	Di-n-Octyl phthalate	220	< 220 U
205-99-2	Benzo(b)fluoranthene	220	170 J
207-08-9	Benzo(k)fluoranthene	220	130 J
50-32-8	Benzo(a)pyrene	220	160 J
193-39-5	Indeno(1,2,3-cd)pyrene	220	< 220 U
53-70-3	Dibenz(a,h)anthracene	220	< 220 U
191-24-2	Benzo(g,h,i)perylene	220	< 220 U
62-53-3	Aniline	220	< 220 U
90-12-0	1-Methylnaphthalene	220	< 220 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	41.6%	2-Fluorobiphenyl	45.2%
d14-p-Terphenyl	25.2%	d4-1,2-Dichlorobenzene	36.0%
d5-Phenol	38.9%	2-Fluorophenol	38.4%
2,4,6-Tribromophenol	32.5%	d4-2-Chlorophenol	38.1%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC9-2.6-4  
**SAMPLE**

Lab Sample ID: JB30U  
 LIMS ID: 06-2822  
 Matrix: Sediment  
 Data Release Authorized: *AB*  
 Reported: 03/16/06

QC Report No: JB30-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/13/06  
 Date Received: 02/14/06

Date Extracted: 02/22/06  
 Date Analyzed: 03/09/06 21:10  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 39.3%  
 pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	13 J
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	29
120-12-7	Anthracene	20	14 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

**Sample ID: LDW-SC9-2.6-4**  
**SAMPLE**

Lab Sample ID: JB30U  
 LIMS ID: 06-2822  
 Matrix: Sediment  
 Date Analyzed: 03/09/06 21:10

QC Report No: JB30-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	25 B
206-44-0	Fluoranthene	20	58
129-00-0	Pyrene	20	90
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	20
117-81-7	bis (2-Ethylhexyl) phthalate	20	< 20 U
218-01-9	Chrysene	20	30
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	57
207-08-9	Benzo (k) fluoranthene	20	32
50-32-8	Benzo (a) pyrene	20	36
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methyl naphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	49.6%	2-Fluorobiphenyl	56.0%
d14-p-Terphenyl	56.4%	d4-1,2-Dichlorobenzene	50.4%
d5-Phenol	46.7%	2-Fluorophenol	51.7%
2,4,6-Tribromophenol	70.4%	d4-2-Chlorophenol	51.5%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC9-2.6-4  
DILUTION

Lab Sample ID: JB30U  
LIMS ID: 06-2822  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/16/06

QC Report No: JB30-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/13/06  
Date Received: 02/14/06

Date Extracted: 02/22/06  
Date Analyzed: 03/13/06 01:59  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 3.00  
Percent Moisture: 39.3%  
pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	< 59 U
120-12-7	Anthracene	59	< 59 U

Lab Sample ID: JB30U  
 LIMS ID: 06-2822  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 01:59

QC Report No: JB30-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	43 J
129-00-0	Pyrene	59	84
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	59	< 59 U
117-81-7	bis(2-Ethylhexyl)phthalate	59	< 59 U
218-01-9	Chrysene	59	30 J
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo(b)fluoranthene	59	< 59 U
207-08-9	Benzo(k)fluoranthene	59	< 59 U
50-32-8	Benzo(a)pyrene	59	< 59 U
193-39-5	Indeno(1,2,3-cd)pyrene	59	< 59 U
53-70-3	Dibenz(a,h)anthracene	59	< 59 U
191-24-2	Benzo(g,h,i)perylene	59	< 59 U
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	55.8%	2-Fluorobiphenyl	54.6%
d14-p-Terphenyl	50.3%	d4-1,2-Dichlorobenzene	45.2%
d5-Phenol	50.5%	2-Fluorophenol	50.3%
2,4,6-Tribromophenol	47.8%	d4-2-Chlorophenol	50.3%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC10-0-1  
**SAMPLE**

Lab Sample ID: JB20AH  
 LIMS ID: 06-2606  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/22/06  
 Date Analyzed: 03/07/06 20:50  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 49.0 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 26.3%  
 pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	23
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	13 J
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	110
120-12-7	Anthracene	20	36

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC10-0-1  
SAMPLE

Lab Sample ID: JB20AH  
LIMS ID: 06-2606  
Matrix: Sediment  
Date Analyzed: 03/07/06 20:50

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	31 B
206-44-0	Fluoranthene	20	320
129-00-0	Pyrene	20	300
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	130
117-81-7	bis (2-Ethylhexyl) phthalate	20	1,200
218-01-9	Chrysene	20	180
117-84-0	Di-n-Octyl phthalate	20	25
205-99-2	Benzo (b) fluoranthene	20	220
207-08-9	Benzo (k) fluoranthene	20	200
50-32-8	Benzo (a) pyrene	20	140
193-39-5	Indeno (1,2,3-cd) pyrene	20	36
53-70-3	Dibenz (a,h) anthracene	20	14 J
191-24-2	Benzo (g,h,i) perylene	20	40
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	50.8%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	58.0%	d4-1,2-Dichlorobenzene	51.6%
d5-Phenol	53.1%	2-Fluorophenol	53.3%
2,4,6-Tribromophenol	66.9%	d4-2-Chlorophenol	56.5%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC10-1-2**  
**SAMPLE**

Lab Sample ID: JB20AI  
 LIMS ID: 06-2607  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/22/06  
 Date Analyzed: 03/09/06 16:03  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 48.4%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	99
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	290
120-12-7	Anthracene	60	82

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC10-1-2  
**SAMPLE**

Lab Sample ID: JB20AI  
 LIMS ID: 06-2607  
 Matrix: Sediment  
 Date Analyzed: 03/09/06 16:03

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	810
129-00-0	Pyrene	60	730
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	270
117-81-7	bis (2-Ethylhexyl) phthalate	60	2,800
218-01-9	Chrysene	60	460
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	670
207-08-9	Benzo (k) fluoranthene	60	530
50-32-8	Benzo (a) pyrene	60	400
193-39-5	Indeno (1,2,3-cd) pyrene	60	88
53-70-3	Dibenz (a,h) anthracene	60	< 60 U
191-24-2	Benzo (g,h,i) perylene	60	91
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	45.4%	2-Fluorobiphenyl	48.5%
d14-p-Terphenyl	39.0%	d4-1,2-Dichlorobenzene	38.2%
d5-Phenol	41.7%	2-Fluorophenol	39.7%
2,4,6-Tribromophenol	47.0%	d4-2-Chlorophenol	42.0%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC10-2-4**  
**SAMPLE**

Lab Sample ID: JB20AJ  
 LIMS ID: 06-2608  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/15/06

QC Report No: JB20-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/10/06  
 Date Received: 02/10/06

Date Extracted: 02/22/06  
 Date Analyzed: 03/09/06 16:37  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.5 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 44.8%  
 pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	<b>Phenol</b>	59	77
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	<b>Naphthalene</b>	59	35 J
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	<b>Acenaphthene</b>	59	48 J
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	<b>Fluorene</b>	59	48 J
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	<b>Phenanthrene</b>	59	490
120-12-7	<b>Anthracene</b>	59	130

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC10-2-4  
SAMPLE

Lab Sample ID: JB20AJ  
LIMS ID: 06-2608  
Matrix: Sediment  
Date Analyzed: 03/09/06 16:37

QC Report No: JB20-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	1,200
129-00-0	Pyrene	59	1,200
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	420
117-81-7	bis (2-Ethylhexyl) phthalate	59	3,900
218-01-9	Chrysene	59	620
117-84-0	Di-n-Octyl phthalate	59	110
205-99-2	Benzo (b) fluoranthene	59	1,100
207-08-9	Benzo (k) fluoranthene	59	580
50-32-8	Benzo (a) pyrene	59	580
193-39-5	Indeno (1,2,3-cd) pyrene	59	130
53-70-3	Dibenz (a, h) anthracene	59	34 J
191-24-2	Benzo (g, h, i) perylene	59	120
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	46.4%	2-Fluorobiphenyl	47.4%
d14-p-Terphenyl	39.7%	d4-1,2-Dichlorobenzene	38.9%
d5-Phenol	41.7%	2-Fluorophenol	40.3%
2,4,6-Tribromophenol	48.7%	d4-2-Chlorophenol	42.2%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC10-4-5

SAMPLE

Lab Sample ID: JH57S

LIMS ID: 06-7260

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/10/06

Date Received: 02/10/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 19:33

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.4 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 49.6%

pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	< 66 U
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
106-44-5	4-Methylphenol	66	< 66 U
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	66	< 66 U
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	66	< 66 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	66	< 66 U
208-96-8	Acenaphthylene	66	< 66 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	66	< 66 U
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	66	< 66 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
86-73-7	Fluorene	66	< 66 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
85-01-8	Phenanthrene	66	47 J

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC10-4-5

**SAMPLE**

Lab Sample ID: JH57S

LIMS ID: 06-7260

Matrix: Sediment

Date Analyzed: 05/16/06 19:33

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	< 66 U
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	Fluoranthene	66	110
129-00-0	Pyrene	66	160
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	66	50 J
117-81-7	bis (2-Ethylhexyl) phthalate	66	290
218-01-9	Chrysene	66	59 J
117-84-0	Di-n-Octyl phthalate	66	< 66 U
205-99-2	Benzo (b) fluoranthene	66	60 J
207-08-9	Benzo (k) fluoranthene	66	38 J
50-32-8	Benzo (a) pyrene	66	49 J
193-39-5	Indeno (1,2,3-cd) pyrene	66	< 66 U
191-24-2	Benzo (g,h,i) perylene	66	34 J
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	< 66 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	73.2%
d14-p-Terphenyl	69.6%	d4-1,2-Dichlorobenzene	61.2%
d5-Phenol	69.3%	2-Fluorophenol	67.5%
2,4,6-Tribromophenol	66.9%	d4-2-Chlorophenol	67.7%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC11-0-.8  
**SAMPLE**

Lab Sample ID: JB310  
 LIMS ID: 06-2839  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/21/06

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/13/06  
 Date Received: 02/13/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/20/06 16:58  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 23.2 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 5.00  
 Percent Moisture: 46.1%  
 pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	110	< 110 U
111-44-4	Bis-(2-Chloroethyl) Ether	110	< 110 U
95-57-8	2-Chlorophenol	110	< 110 U
541-73-1	1,3-Dichlorobenzene	110	< 110 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	110	< 110 U
106-44-5	4-Methylphenol	110	< 110 U
67-72-1	Hexachloroethane	110	< 110 U
98-95-3	Nitrobenzene	110	< 110 U
78-59-1	Isophorone	110	< 110 U
88-75-5	2-Nitrophenol	540	< 540 U
111-91-1	bis(2-Chloroethoxy) Methane	110	< 110 U
120-83-2	2,4-Dichlorophenol	540	< 540 U
91-20-3	Naphthalene	110	< 110 U
106-47-8	4-Chloroaniline	540	< 540 U
59-50-7	4-Chloro-3-methylphenol	540	< 540 U
91-57-6	2-Methylnaphthalene	110	< 110 U
77-47-4	Hexachlorocyclopentadiene	540	< 540 U
88-06-2	2,4,6-Trichlorophenol	540	< 540 U
95-95-4	2,4,5-Trichlorophenol	540	< 540 U
91-58-7	2-Chloronaphthalene	110	< 110 U
88-74-4	2-Nitroaniline	540	< 540 U
131-11-3	Dimethylphthalate	110	< 110 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>110</b>	<b>280</b>
99-09-2	3-Nitroaniline	540	< 540 U
83-32-9	Acenaphthene	110	< 110 U
51-28-5	2,4-Dinitrophenol	1,100	< 1,100 U
100-02-7	4-Nitrophenol	540	< 540 U
132-64-9	Dibenzofuran	110	< 110 U
606-20-2	2,6-Dinitrotoluene	540	< 540 U
121-14-2	2,4-Dinitrotoluene	540	< 540 U
84-66-2	Diethylphthalate	110	< 110 U
7005-72-3	4-Chlorophenyl-phenylether	110	< 110 U
86-73-7	Fluorene	110	< 110 U
100-01-6	4-Nitroaniline	540	< 540 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,100	< 1,100 U
101-55-3	4-Bromophenyl-phenylether	110	< 110 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>110</b>	<b>660</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>110</b>	<b>500</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC11-0-.8  
**SAMPLE**

Lab Sample ID: JB310  
 LIMS ID: 06-2839  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 16:58

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	110	< 110 U
206-44-0	Fluoranthene	110	8,100 B
129-00-0	Pyrene	110	6,700
91-94-1	3,3'-Dichlorobenzidine	540	< 540 U
56-55-3	Benzo(a)anthracene	110	3,600
117-81-7	bis(2-Ethylhexyl)phthalate	110	310
218-01-9	Chrysene	110	4,300
117-84-0	Di-n-Octyl phthalate	110	< 110 U
205-99-2	Benzo(b)fluoranthene	110	4,100
207-08-9	Benzo(k)fluoranthene	110	3,500
50-32-8	Benzo(a)pyrene	110	3,100
193-39-5	Indeno(1,2,3-cd)pyrene	110	670
53-70-3	Dibenz(a,h)anthracene	110	150
191-24-2	Benzo(g,h,i)perylene	110	520
62-53-3	Aniline	110	< 110 U
90-12-0	1-Methylnaphthalene	110	< 110 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	88.2%	2-Fluorobiphenyl	76.4%
d14-p-Terphenyl	61.2%	d4-1,2-Dichlorobenzene	70.0%
d5-Phenol	85.1%	2-Fluorophenol	76.5%
2,4,6-Tribromophenol	70.1%	d4-2-Chlorophenol	77.7%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2


Sample ID: LDW-SC11-.8-2

SAMPLE

Lab Sample ID: JB31P

LIMS ID: 06-2840

Matrix: Sediment

Data Release Authorized: 

Reported: 03/21/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Date Extracted: 02/24/06

Date Analyzed: 03/20/06 17:31

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 24.8%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	< 19 U
111-44-4	Bis-(2-Chloroethyl) Ether	19	< 19 U
95-57-8	2-Chlorophenol	19	< 19 U
541-73-1	1,3-Dichlorobenzene	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
67-72-1	Hexachloroethane	19	< 19 U
98-95-3	Nitrobenzene	19	< 19 U
78-59-1	Isophorone	19	< 19 U
88-75-5	2-Nitrophenol	97	< 97 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	97	< 97 U
91-57-6	2-Methylnaphthalene	19	< 19 U
77-47-4	Hexachlorocyclopentadiene	97	< 97 U
88-06-2	2,4,6-Trichlorophenol	97	< 97 U
95-95-4	2,4,5-Trichlorophenol	97	< 97 U
91-58-7	2-Chloronaphthalene	19	< 19 U
88-74-4	2-Nitroaniline	97	< 97 U
131-11-3	Dimethylphthalate	19	< 19 U
208-96-8	Acenaphthylene	19	< 19 U
99-09-2	3-Nitroaniline	97	< 97 U
83-32-9	Acenaphthene	19	< 19 U
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	97	< 97 U
132-64-9	Dibenzofuran	19	< 19 U
606-20-2	2,6-Dinitrotoluene	97	< 97 U
121-14-2	2,4-Dinitrotoluene	97	< 97 U
84-66-2	Diethylphthalate	19	< 19 U
7005-72-3	4-Chlorophenyl-phenylether	19	< 19 U
86-73-7	Fluorene	19	< 19 U
100-01-6	4-Nitroaniline	97	< 97 U
534-52-1	4,6-Dinitro-2-Methylphenol	190	< 190 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
85-01-8	Phenanthrene	19	< 19 U
120-12-7	Anthracene	19	< 19 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC11-.8-2

SAMPLE

Lab Sample ID: JB31P

LIMS ID: 06-2840

Matrix: Sediment

Date Analyzed: 03/20/06 17:31

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	< 19 U
129-00-0	<b>Pyrene</b>	19	13 J
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo(a)anthracene	19	< 19 U
117-81-7	bis(2-Ethylhexyl)phthalate	19	< 19 U
218-01-9	Chrysene	19	< 19 U
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo(b)fluoranthene	19	< 19 U
207-08-9	Benzo(k)fluoranthene	19	< 19 U
50-32-8	Benzo(a)pyrene	19	< 19 U
193-39-5	Indeno(1,2,3-cd)pyrene	19	< 19 U
53-70-3	Dibenz(a,h)anthracene	19	< 19 U
191-24-2	Benzo(g,h,i)perylene	19	< 19 U
62-53-3	Aniline	19	< 19 U
90-12-0	1-Methylnaphthalene	19	< 19 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	71.2%	2-Fluorobiphenyl	66.0%
d14-p-Terphenyl	61.2%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	72.3%	2-Fluorophenol	64.8%
2,4,6-Tribromophenol	69.6%	d4-2-Chlorophenol	66.4%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC11-2-3.4

SAMPLE

Lab Sample ID: JB31Q

LIMS ID: 06-2841

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/21/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Date Extracted: 02/24/06

Date Analyzed: 03/20/06 18:05

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 30.4%

pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC11-2-3.4  
**SAMPLE**

Lab Sample ID: JB31Q  
 LIMS ID: 06-2841  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 18:05

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.4%	2-Fluorobiphenyl	64.4%
d14-p-Terphenyl	61.2%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	69.9%	2-Fluorophenol	63.2%
2,4,6-Tribromophenol	66.4%	d4-2-Chlorophenol	64.8%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC11-3.4-4.1  
 SAMPLE

Lab Sample ID: JB31R  
 LIMS ID: 06-2842  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/21/06

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/13/06  
 Date Received: 02/13/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/20/06 18:39  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.9 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 12.8%  
 pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	< 19 U
111-44-4	Bis-(2-Chloroethyl) Ether	19	< 19 U
95-57-8	2-Chlorophenol	19	< 19 U
541-73-1	1,3-Dichlorobenzene	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
67-72-1	Hexachloroethane	19	< 19 U
98-95-3	Nitrobenzene	19	< 19 U
78-59-1	Isophorone	19	< 19 U
88-75-5	2-Nitrophenol	96	< 96 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	96	< 96 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	96	< 96 U
59-50-7	4-Chloro-3-methylphenol	96	< 96 U
91-57-6	2-Methylnaphthalene	19	< 19 U
77-47-4	Hexachlorocyclopentadiene	96	< 96 U
88-06-2	2,4,6-Trichlorophenol	96	< 96 U
95-95-4	2,4,5-Trichlorophenol	96	< 96 U
91-58-7	2-Chloronaphthalene	19	< 19 U
88-74-4	2-Nitroaniline	96	< 96 U
131-11-3	Dimethylphthalate	19	< 19 U
208-96-8	Acenaphthylene	19	< 19 U
99-09-2	3-Nitroaniline	96	< 96 U
83-32-9	Acenaphthene	19	< 19 U
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	96	< 96 U
132-64-9	Dibenzofuran	19	< 19 U
606-20-2	2,6-Dinitrotoluene	96	< 96 U
121-14-2	2,4-Dinitrotoluene	96	< 96 U
84-66-2	Diethylphthalate	19	< 19 U
7005-72-3	4-Chlorophenyl-phenylether	19	< 19 U
86-73-7	Fluorene	19	< 19 U
100-01-6	4-Nitroaniline	96	< 96 U
534-52-1	4,6-Dinitro-2-Methylphenol	190	< 190 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
85-01-8	Phenanthrene	19	< 19 U
120-12-7	Anthracene	19	< 19 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC11-3.4-4.1  
**SAMPLE**

Lab Sample ID: JB31R  
 LIMS ID: 06-2842  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 18:39

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	< 19 U
129-00-0	Pyrene	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	96	< 96 U
56-55-3	Benzo(a)anthracene	19	< 19 U
117-81-7	bis(2-Ethylhexyl)phthalate	19	< 19 U
218-01-9	Chrysene	19	< 19 U
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo(b)fluoranthene	19	< 19 U
207-08-9	Benzo(k)fluoranthene	19	< 19 U
50-32-8	Benzo(a)pyrene	19	< 19 U
193-39-5	Indeno(1,2,3-cd)pyrene	19	< 19 U
53-70-3	Dibenz(a,h)anthracene	19	< 19 U
191-24-2	Benzo(g,h,i)perylene	19	< 19 U
62-53-3	Aniline	19	< 19 U
90-12-0	1-Methylnaphthalene	19	< 19 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	64.4%	2-Fluorobiphenyl	59.2%
d14-p-Terphenyl	59.2%	d4-1,2-Dichlorobenzene	52.4%
d5-Phenol	64.5%	2-Fluorophenol	60.8%
2,4,6-Tribromophenol	62.9%	d4-2-Chlorophenol	59.5%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC12-0-2  
**SAMPLE**

Lab Sample ID: JB82S  
 LIMS ID: 06-3268  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/16/06  
 Date Received: 02/16/06

Date Extracted: 02/28/06  
 Date Analyzed: 03/21/06 18:30  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 48.1%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	100
120-12-7	Anthracene	59	43 J

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC12-0-2  
SAMPLE

Lab Sample ID: JB82S  
LIMS ID: 06-3268  
Matrix: Sediment  
Date Analyzed: 03/21/06 18:30

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	350
129-00-0	Pyrene	59	470
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	130
117-81-7	bis (2-Ethylhexyl) phthalate	59	210
218-01-9	Chrysene	59	210
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	330
207-08-9	Benzo (k) fluoranthene	59	310
50-32-8	Benzo (a) pyrene	59	190
193-39-5	Indeno (1,2,3-cd) pyrene	59	57 J
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	45 J
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	73.9%	2-Fluorobiphenyl	68.5%
d14-p-Terphenyl	54.7%	d4-1,2-Dichlorobenzene	57.2%
d5-Phenol	69.2%	2-Fluorophenol	62.2%
2,4,6-Tribromophenol	63.7%	d4-2-Chlorophenol	62.5%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC12-2-4  
**SAMPLE**

Lab Sample ID: JB82T  
 LIMS ID: 06-3269  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/16/06  
 Date Received: 02/16/06

Date Extracted: 02/28/06  
 Date Analyzed: 03/21/06 19:04  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 46.6%  
 pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	40	36 J
111-44-4	Bis-(2-Chloroethyl) Ether	40	< 40 U
95-57-8	2-Chlorophenol	40	< 40 U
541-73-1	1,3-Dichlorobenzene	40	< 40 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	< 40 U
106-44-5	4-Methylphenol	40	< 40 U
67-72-1	Hexachloroethane	40	< 40 U
98-95-3	Nitrobenzene	40	< 40 U
78-59-1	Isophorone	40	< 40 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	40	< 40 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	40	< 40 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	40	< 40 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	40	< 40 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	40	< 40 U
208-96-8	Acenaphthylene	40	< 40 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	40	< 40 U
51-28-5	2,4-Dinitrophenol	400	< 400 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	40	< 40 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	40	< 40 U
7005-72-3	4-Chlorophenyl-phenylether	40	< 40 U
86-73-7	Fluorene	40	< 40 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	400	< 400 U
101-55-3	4-Bromophenyl-phenylether	40	< 40 U
85-01-8	Phenanthrene	40	120
120-12-7	Anthracene	40	47

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC12-2-4  
 SAMPLE

Lab Sample ID: JB82T  
 LIMS ID: 06-3269  
 Matrix: Sediment  
 Date Analyzed: 03/21/06 19:04

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	40	21 J
206-44-0	Fluoranthene	40	210
129-00-0	Pyrene	40	360
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo(a)anthracene	40	83
117-81-7	bis(2-Ethylhexyl)phthalate	40	380
218-01-9	Chrysene	40	110
117-84-0	Di-n-Octyl phthalate	40	< 40 U
205-99-2	Benzo(b)fluoranthene	40	200
207-08-9	Benzo(k)fluoranthene	40	180
50-32-8	Benzo(a)pyrene	40	130
193-39-5	Indeno(1,2,3-cd)pyrene	40	32 J
53-70-3	Dibenz(a,h)anthracene	40	< 40 U
191-24-2	Benzo(g,h,i)perylene	40	26 J
62-53-3	Aniline	40	< 40 U
90-12-0	1-Methylnaphthalene	40	< 40 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	73.4%	2-Fluorobiphenyl	65.1%
d14-p-Terphenyl	58.5%	d4-1,2-Dichlorobenzene	55.8%
d5-Phenol	71.5%	2-Fluorophenol	62.4%
2,4,6-Tribromophenol	68.8%	d4-2-Chlorophenol	64.0%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC12-2-4  
 DILUTION

Lab Sample ID: JB82T  
 LIMS ID: 06-3269  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/16/06  
 Date Received: 02/16/06

Date Extracted: 02/28/06  
 Date Analyzed: 03/22/06 15:04  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 46.6%  
 pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	120	< 120 U
111-44-4	Bis-(2-Chloroethyl) Ether	120	< 120 U
95-57-8	2-Chlorophenol	120	< 120 U
541-73-1	1,3-Dichlorobenzene	120	< 120 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	120	< 120 U
106-44-5	4-Methylphenol	120	< 120 U
67-72-1	Hexachloroethane	120	< 120 U
98-95-3	Nitrobenzene	120	< 120 U
78-59-1	Isophorone	120	< 120 U
88-75-5	2-Nitrophenol	600	< 600 U
111-91-1	bis(2-Chloroethoxy) Methane	120	< 120 U
120-83-2	2,4-Dichlorophenol	600	< 600 U
91-20-3	Naphthalene	120	< 120 U
106-47-8	4-Chloroaniline	600	< 600 U
59-50-7	4-Chloro-3-methylphenol	600	< 600 U
91-57-6	2-Methylnaphthalene	120	< 120 U
77-47-4	Hexachlorocyclopentadiene	600	< 600 U
88-06-2	2,4,6-Trichlorophenol	600	< 600 U
95-95-4	2,4,5-Trichlorophenol	600	< 600 U
91-58-7	2-Chloronaphthalene	120	< 120 U
88-74-4	2-Nitroaniline	600	< 600 U
131-11-3	Dimethylphthalate	120	< 120 U
208-96-8	Acenaphthylene	120	< 120 U
99-09-2	3-Nitroaniline	600	< 600 U
83-32-9	Acenaphthene	120	< 120 U
51-28-5	2,4-Dinitrophenol	1,200	< 1,200 U
100-02-7	4-Nitrophenol	600	< 600 U
132-64-9	Dibenzofuran	120	< 120 U
606-20-2	2,6-Dinitrotoluene	600	< 600 U
121-14-2	2,4-Dinitrotoluene	600	< 600 U
84-66-2	Diethylphthalate	120	< 120 U
7005-72-3	4-Chlorophenyl-phenylether	120	< 120 U
86-73-7	Fluorene	120	< 120 U
100-01-6	4-Nitroaniline	600	< 600 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,200	< 1,200 U
101-55-3	4-Bromophenyl-phenylether	120	< 120 U
85-01-8	<b>Phenanthrene</b>	<b>120</b>	<b>91 J</b>
120-12-7	Anthracene	120	< 120 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC12-2-4  
 DILUTION

Lab Sample ID: JB82T  
 LIMS ID: 06-3269  
 Matrix: Sediment  
 Date Analyzed: 03/22/06 15:04

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	120	< 120 U
206-44-0	Fluoranthene	120	160
129-00-0	Pyrene	120	340
91-94-1	3,3'-Dichlorobenzidine	600	< 600 U
56-55-3	Benzo (a) anthracene	120	74 J
117-81-7	bis (2-Ethylhexyl) phthalate	120	330
218-01-9	Chrysene	120	94 J
117-84-0	Di-n-Octyl phthalate	120	< 120 U
205-99-2	Benzo (b) fluoranthene	120	140
207-08-9	Benzo (k) fluoranthene	120	98 J
50-32-8	Benzo (a) pyrene	120	100 J
193-39-5	Indeno (1,2,3-cd) pyrene	120	< 120 U
53-70-3	Dibenz (a,h) anthracene	120	< 120 U
191-24-2	Benzo (g,h,i) perylene	120	< 120 U
62-53-3	Aniline	120	< 120 U
90-12-0	1-Methylnaphthalene	120	< 120 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	67.2%	2-Fluorobiphenyl	59.5%
d14-p-Terphenyl	58.1%	d4-1,2-Dichlorobenzene	51.4%
d5-Phenol	67.2%	2-Fluorophenol	51.4%
2,4,6-Tribromophenol	48.2%	d4-2-Chlorophenol	55.7%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC13-0-2

SAMPLE

Lab Sample ID: JB30B

LIMS ID: 06-2803

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/16/06

QC Report No: JB30-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/14/06

Date Extracted: 02/22/06

Date Analyzed: 03/09/06 17:45

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 44.0 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 34.8%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	23	32
111-44-4	Bis-(2-Chloroethyl) Ether	23	< 23 U
95-57-8	2-Chlorophenol	23	< 23 U
541-73-1	1,3-Dichlorobenzene	23	< 23 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	23	< 23 U
106-44-5	4-Methylphenol	23	< 23 U
67-72-1	Hexachloroethane	23	< 23 U
98-95-3	Nitrobenzene	23	< 23 U
78-59-1	Isophorone	23	< 23 U
88-75-5	2-Nitrophenol	110	< 110 U
111-91-1	bis(2-Chloroethoxy) Methane	23	< 23 U
120-83-2	2,4-Dichlorophenol	110	< 110 U
91-20-3	Naphthalene	23	110
106-47-8	4-Chloroaniline	110	< 110 U
59-50-7	4-Chloro-3-methylphenol	110	< 110 U
91-57-6	2-Methylnaphthalene	23	36
77-47-4	Hexachlorocyclopentadiene	110	< 110 U
88-06-2	2,4,6-Trichlorophenol	110	< 110 U
95-95-4	2,4,5-Trichlorophenol	110	< 110 U
91-58-7	2-Chloronaphthalene	23	< 23 U
88-74-4	2-Nitroaniline	110	< 110 U
131-11-3	Dimethylphthalate	23	< 23 U
208-96-8	Acenaphthylene	23	33
99-09-2	3-Nitroaniline	110	< 110 U
83-32-9	Acenaphthene	23	92
51-28-5	2,4-Dinitrophenol	230	< 230 U
100-02-7	4-Nitrophenol	110	< 110 U
132-64-9	Dibenzofuran	23	48
606-20-2	2,6-Dinitrotoluene	110	< 110 U
121-14-2	2,4-Dinitrotoluene	110	< 110 U
84-66-2	Diethylphthalate	23	< 23 U
7005-72-3	4-Chlorophenyl-phenylether	23	< 23 U
86-73-7	Fluorene	23	73
100-01-6	4-Nitroaniline	110	< 110 U
534-52-1	4,6-Dinitro-2-Methylphenol	230	< 230 U
101-55-3	4-Bromophenyl-phenylether	23	< 23 U
85-01-8	Phenanthrene	23	290
120-12-7	Anthracene	23	130

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC13-0-2  
SAMPLE

Lab Sample ID: JB30B  
LIMS ID: 06-2803  
Matrix: Sediment  
Date Analyzed: 03/09/06 17:45

QC Report No: JB30-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	23	180 B
206-44-0	Fluoranthene	23	1,000
129-00-0	Pyrene	23	1,100
91-94-1	3,3'-Dichlorobenzidine	110	< 110 U
56-55-3	Benzo (a) anthracene	23	310
117-81-7	bis (2-Ethylhexyl)phthalate	23	160
218-01-9	Chrysene	23	410
117-84-0	Di-n-Octyl phthalate	23	< 23 U
205-99-2	Benzo (b) fluoranthene	23	750
207-08-9	Benzo (k) fluoranthene	23	380
50-32-8	Benzo (a) pyrene	23	380
193-39-5	Indeno (1,2,3-cd) pyrene	23	68
53-70-3	Dibenz (a,h) anthracene	23	21 J
191-24-2	Benzo (g,h,i) perylene	23	60
62-53-3	Aniline	23	< 23 U
90-12-0	1-Methylnaphthalene	23	26

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	46.8%	2-Fluorobiphenyl	48.4%
d14-p-Terphenyl	51.2%	d4-1,2-Dichlorobenzene	41.6%
d5-Phenol	45.6%	2-Fluorophenol	45.1%
2,4,6-Tribromophenol	58.4%	d4-2-Chlorophenol	45.1%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC13-2-4  
SAMPLE

Lab Sample ID: JB30C  
LIMS ID: 06-2804  
Matrix: Sediment  
Data Release Authorized: *[Signature]*  
Reported: 03/16/06

QC Report No: JB30-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/13/06  
Date Received: 02/14/06

Date Extracted: 02/22/06  
Date Analyzed: 03/09/06 18:19  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 33.1%  
pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	16 J
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	<b>Naphthalene</b>	20	210
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	<b>2-Methylnaphthalene</b>	20	74
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	<b>Acenaphthylene</b>	20	47
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	<b>Acenaphthene</b>	20	320
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	<b>Dibenzofuran</b>	20	140
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	<b>Fluorene</b>	20	200
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	<b>Phenanthrene</b>	20	530
120-12-7	<b>Anthracene</b>	20	360

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC13-2-4  
SAMPLE

Lab Sample ID: JB30C  
LIMS ID: 06-2804  
Matrix: Sediment  
Date Analyzed: 03/09/06 18:19

QC Report No: JB30-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	27 B
206-44-0	Fluoranthene	20	1,600 E
129-00-0	Pyrene	20	1,400
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	1,000
117-81-7	bis (2-Ethylhexyl) phthalate	20	< 20 U
218-01-9	Chrysene	20	1,100
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	1,300
207-08-9	Benzo (k) fluoranthene	20	940
50-32-8	Benzo (a) pyrene	20	830
193-39-5	Indeno (1,2,3-cd) pyrene	20	120
53-70-3	Dibenz (a, h) anthracene	20	38
191-24-2	Benzo (g, h, i) perylene	20	96
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	50

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	50.4%	2-Fluorobiphenyl	53.6%
d14-p-Terphenyl	48.0%	d4-1,2-Dichlorobenzene	45.6%
d5-Phenol	48.5%	2-Fluorophenol	49.9%
2,4,6-Tribromophenol	59.5%	d4-2-Chlorophenol	49.3%



ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC13-2-4  
DILUTION

Lab Sample ID: JB30C  
LIMS ID: 06-2804  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/16/06

QC Report No: JB30-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/13/06  
Date Received: 02/14/06

Date Extracted: 02/22/06  
Date Analyzed: 03/13/06 00:16  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 5.00  
Percent Moisture: 33.1%  
pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	< 99 U
111-44-4	Bis-(2-Chloroethyl) Ether	99	< 99 U
95-57-8	2-Chlorophenol	99	< 99 U
541-73-1	1,3-Dichlorobenzene	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
67-72-1	Hexachloroethane	99	< 99 U
98-95-3	Nitrobenzene	99	< 99 U
78-59-1	Isophorone	99	< 99 U
88-75-5	2-Nitrophenol	500	< 500 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>99</b>	<b>190</b>
106-47-8	4-Chloroaniline	500	< 500 U
59-50-7	4-Chloro-3-methylphenol	500	< 500 U
91-57-6	2-Methylnaphthalene	99	< 99 U
77-47-4	Hexachlorocyclopentadiene	500	< 500 U
88-06-2	2,4,6-Trichlorophenol	500	< 500 U
95-95-4	2,4,5-Trichlorophenol	500	< 500 U
91-58-7	2-Chloronaphthalene	99	< 99 U
88-74-4	2-Nitroaniline	500	< 500 U
131-11-3	Dimethylphthalate	99	< 99 U
208-96-8	Acenaphthylene	99	< 99 U
99-09-2	3-Nitroaniline	500	< 500 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>99</b>	<b>310</b>
51-28-5	2,4-Dinitrophenol	990	< 990 U
100-02-7	4-Nitrophenol	500	< 500 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>99</b>	<b>130</b>
606-20-2	2,6-Dinitrotoluene	500	< 500 U
121-14-2	2,4-Dinitrotoluene	500	< 500 U
84-66-2	Diethylphthalate	99	< 99 U
7005-72-3	4-Chlorophenyl-phenylether	99	< 99 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>99</b>	<b>180</b>
100-01-6	4-Nitroaniline	500	< 500 U
534-52-1	4,6-Dinitro-2-Methylphenol	990	< 990 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>99</b>	<b>500</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>99</b>	<b>300</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC13-2-4  
DILUTION

Lab Sample ID: JB30C  
LIMS ID: 06-2804  
Matrix: Sediment  
Date Analyzed: 03/13/06 00:16

QC Report No: JB30-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	1,300
129-00-0	Pyrene	99	2,000
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	99	1,000
117-81-7	bis (2-Ethylhexyl) phthalate	99	< 99 U
218-01-9	Chrysene	99	1,200
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo (b) fluoranthene	99	810
207-08-9	Benzo (k) fluoranthene	99	750
50-32-8	Benzo (a) pyrene	99	720
193-39-5	Indeno (1,2,3-cd) pyrene	99	340
53-70-3	Dibenz (a, h) anthracene	99	92 J
191-24-2	Benzo (g, h, i) perylene	99	330
62-53-3	Aniline	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	48.4%	2-Fluorobiphenyl	49.0%
d14-p-Terphenyl	49.4%	d4-1,2-Dichlorobenzene	40.4%
d5-Phenol	43.2%	2-Fluorophenol	43.6%
2,4,6-Tribromophenol	38.8%	d4-2-Chlorophenol	44.0%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC14-0-1.4  
**SAMPLE**

Lab Sample ID: JB31H  
 LIMS ID: 06-2832  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/21/06

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/13/06  
 Date Received: 02/13/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/19/06 16:40  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 43.0%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	120
120-12-7	Anthracene	60	60

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC14-0-1.4  
**SAMPLE**

Lab Sample ID: JB31H  
 LIMS ID: 06-2832  
 Matrix: Sediment  
 Date Analyzed: 03/19/06 16:40

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	360 B
129-00-0	Pyrene	60	460
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	160
117-81-7	bis (2-Ethylhexyl)phthalate	60	1,200
218-01-9	Chrysene	60	190
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	340
207-08-9	Benzo (k) fluoranthene	60	300
50-32-8	Benzo (a) pyrene	60	230
193-39-5	Indeno (1,2,3-cd) pyrene	60	47 J
53-70-3	Dibenz (a,h) anthracene	60	< 60 U
191-24-2	Benzo (g,h,i) perylene	60	41 J
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	58.7%	2-Fluorobiphenyl	51.5%
d14-p-Terphenyl	36.2%	d4-1,2-Dichlorobenzene	48.0%
d5-Phenol	57.4%	2-Fluorophenol	54.0%
2,4,6-Tribromophenol	52.6%	d4-2-Chlorophenol	52.9%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC14-1.4-2  
**SAMPLE**

Lab Sample ID: JB31I  
 LIMS ID: 06-2833  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/21/06

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/13/06  
 Date Received: 02/13/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/19/06 17:13  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 46.0%  
 pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	18 J
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	44
120-12-7	Anthracene	20	28

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC14-1.4-2  
 SAMPLE

Lab Sample ID: JB31I  
 LIMS ID: 06-2833  
 Matrix: Sediment  
 Date Analyzed: 03/19/06 17:13

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	12 J
206-44-0	Fluoranthene	20	160 B
129-00-0	Pyrene	20	300
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	61
117-81-7	bis (2-Ethylhexyl) phthalate	20	470
218-01-9	Chrysene	20	74
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	120
207-08-9	Benzo (k) fluoranthene	20	110
50-32-8	Benzo (a) pyrene	20	77
193-39-5	Indeno (1,2,3-cd) pyrene	20	16 J
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	12 J
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	54.4%	2-Fluorobiphenyl	45.6%
d14-p-Terphenyl	35.5%	d4-1,2-Dichlorobenzene	42.8%
d5-Phenol	52.3%	2-Fluorophenol	50.1%
2,4,6-Tribromophenol	50.9%	d4-2-Chlorophenol	47.7%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC14-2-4.1

SAMPLE

Lab Sample ID: JB31J

LIMS ID: 06-2834

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/21/06

QC Report No: JB31-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Date Extracted: 02/24/06

Date Analyzed: 03/20/06 16:24

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 49.1%

pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	13 J
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	14 J
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	11 J
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	13 J
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	64
120-12-7	Anthracene	20	36

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC14-2-4.1  
**SAMPLE**

Lab Sample ID: JB31J  
 LIMS ID: 06-2834  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 16:24

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	23 B
206-44-0	Fluoranthene	20	170 B
129-00-0	Pyrene	20	360
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	78
117-81-7	bis (2-Ethylhexyl) phthalate	20	250
218-01-9	Chrysene	20	120
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	140
207-08-9	Benzo (k) fluoranthene	20	150
50-32-8	Benzo (a) pyrene	20	100
193-39-5	Indeno (1,2,3-cd) pyrene	20	25
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	20
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	63.6%	2-Fluorobiphenyl	56.4%
d14-p-Terphenyl	41.6%	d4-1,2-Dichlorobenzene	50.8%
d5-Phenol	63.5%	2-Fluorophenol	57.1%
2,4,6-Tribromophenol	58.4%	d4-2-Chlorophenol	57.9%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC14-4.1-6

SAMPLE

Lab Sample ID: JH57Y

LIMS ID: 06-7266

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/13/06

Date Received: 02/13/06

Date Extracted: 05/10/06

Date Analyzed: 05/17/06 11:25

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.3 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 48.2%

pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	< 66 U
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
106-44-5	4-Methylphenol	66	< 66 U
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	66	< 66 U
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	66	< 66 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	66	< 66 U
208-96-8	Acenaphthylene	66	< 66 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	66	< 66 U
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	66	< 66 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
86-73-7	Fluorene	66	< 66 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
85-01-8	Phenanthrene	66	100

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC14-4.1-6  
SAMPLE

Lab Sample ID: JH57Y  
LIMS ID: 06-7266  
Matrix: Sediment  
Date Analyzed: 05/17/06 11:25

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	52 J
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	Fluoranthene	66	250
129-00-0	Pyrene	66	600
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	66	110
117-81-7	bis (2-Ethylhexyl) phthalate	66	160
218-01-9	Chrysene	66	150
117-84-0	Di-n-Octyl phthalate	66	< 66 U
205-99-2	Benzo (b) fluoranthene	66	170
207-08-9	Benzo (k) fluoranthene	66	100
50-32-8	Benzo (a) pyrene	66	130
193-39-5	Indeno (1,2,3-cd) pyrene	66	55 J
191-24-2	Benzo (g,h,i) perylene	66	71
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	< 66 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	72.8%	2-Fluorobiphenyl	74.8%
d14-p-Terphenyl	66.8%	d4-1,2-Dichlorobenzene	66.8%
d5-Phenol	76.3%	2-Fluorophenol	75.2%
2,4,6-Tribromophenol	76.8%	d4-2-Chlorophenol	73.3%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC15-0-1  
**SAMPLE**

Lab Sample ID: JB98A  
 LIMS ID: 06-3365  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/17/06  
 Date Received: 02/17/06

Date Extracted: 03/02/06  
 Date Analyzed: 03/22/06 17:17  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 51.5%  
 pH: 6.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	38 J
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	42 J
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	31 J
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	180
120-12-7	Anthracene	59	100

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC15-0-1  
**SAMPLE**

Lab Sample ID: JB98A  
 LIMS ID: 06-3365  
 Matrix: Sediment  
 Date Analyzed: 03/22/06 17:17

QC Report No: JB98-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	31 J
206-44-0	Fluoranthene	59	480
129-00-0	Pyrene	59	490
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	300
117-81-7	bis (2-Ethylhexyl) phthalate	59	350
218-01-9	Chrysene	59	500
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	510
207-08-9	Benzo (k) fluoranthene	59	430
50-32-8	Benzo (a) pyrene	59	360
193-39-5	Indeno (1,2,3-cd) pyrene	59	120
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	100
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	72.4%	2-Fluorobiphenyl	62.4%
d14-p-Terphenyl	51.8%	d4-1,2-Dichlorobenzene	52.0%
d5-Phenol	69.0%	2-Fluorophenol	58.0%
2,4,6-Tribromophenol	55.7%	d4-2-Chlorophenol	59.3%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC15-1-2**  
**SAMPLE**

Lab Sample ID: JB98B  
 LIMS ID: 06-3366  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/17/06  
 Date Received: 02/17/06

Date Extracted: 03/02/06  
 Date Analyzed: 03/22/06 17:50  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 49.3%  
 pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	130
120-12-7	Anthracene	59	65

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC15-1-2  
 SAMPLE

Lab Sample ID: JB98B  
 LIMS ID: 06-3366  
 Matrix: Sediment  
 Date Analyzed: 03/22/06 17:50

QC Report No: JB98-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	31 J
206-44-0	Fluoranthene	59	400
129-00-0	Pyrene	59	470
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	190
117-81-7	bis (2-Ethylhexyl) phthalate	59	290
218-01-9	Chrysene	59	340
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	460
207-08-9	Benzo (k) fluoranthene	59	380
50-32-8	Benzo (a) pyrene	59	300
193-39-5	Indeno (1,2,3-cd) pyrene	59	100
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	90
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	81.4%	2-Fluorobiphenyl	70.7%
d14-p-Terphenyl	58.6%	d4-1,2-Dichlorobenzene	59.0%
d5-Phenol	78.2%	2-Fluorophenol	66.1%
2,4,6-Tribromophenol	63.6%	d4-2-Chlorophenol	67.8%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC15-2-4

SAMPLE

Lab Sample ID: JB98C

LIMS ID: 06-3367

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 03/02/06

Date Analyzed: 03/22/06 18:23

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 47.8%

pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	51 J
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	200
120-12-7	Anthracene	60	75

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC15-2-4  
SAMPLE

Lab Sample ID: JB98C  
LIMS ID: 06-3367  
Matrix: Sediment  
Date Analyzed: 03/22/06 18:23

QC Report No: JB98-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	44 J
206-44-0	Fluoranthene	60	570
129-00-0	Pyrene	60	690
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	60	250
117-81-7	bis(2-Ethylhexyl)phthalate	60	480
218-01-9	Chrysene	60	370
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo(b)fluoranthene	60	520
207-08-9	Benzo(k)fluoranthene	60	500
50-32-8	Benzo(a)pyrene	60	390
193-39-5	Indeno(1,2,3-cd)pyrene	60	130
53-70-3	Dibenz(a,h)anthracene	60	< 60 U
191-24-2	Benzo(g,h,i)perylene	60	110
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.1%	2-Fluorobiphenyl	59.9%
d14-p-Terphenyl	48.2%	d4-1,2-Dichlorobenzene	50.2%
d5-Phenol	64.2%	2-Fluorophenol	55.1%
2,4,6-Tribromophenol	51.0%	d4-2-Chlorophenol	55.8%



Lab Sample ID: JB46F  
 LIMS ID: 06-2921  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/20/06

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/14/06  
 Date Received: 02/14/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/13/06 18:50  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 49.0%  
 pH: 7.2

CAS Number	Analyte	RL	Result
<b>108-95-2</b>	<b>Phenol</b>	<b>20</b>	<b>21</b>
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>20</b>	<b>38</b>
99-09-2	3-Nitroaniline	99	< 99 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>20</b>	<b>15 J</b>
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>20</b>	<b>18 J</b>
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>180</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>20</b>	<b>150</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC16-0-2  
**SAMPLE**

Lab Sample ID: JB46F  
 LIMS ID: 06-2921  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 18:50

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	3,000 E
129-00-0	Pyrene	20	2,100 E
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo(a)anthracene	20	660
117-81-7	bis(2-Ethylhexyl)phthalate	20	400
218-01-9	Chrysene	20	1,000
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	810
207-08-9	Benzo(k)fluoranthene	20	530
50-32-8	Benzo(a)pyrene	20	430
193-39-5	Indeno(1,2,3-cd)pyrene	20	120
53-70-3	Dibenz(a,h)anthracene	20	30
191-24-2	Benzo(g,h,i)perylene	20	100
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	44.4%	2-Fluorobiphenyl	44.8%
d14-p-Terphenyl	43.6%	d4-1,2-Dichlorobenzene	35.8%
d5-Phenol	48.0%	2-Fluorophenol	43.2%
2,4,6-Tribromophenol	50.7%	d4-2-Chlorophenol	46.4%

Sample ID: LDW-SC16-0-2  
DILUTION

Lab Sample ID: JB46F  
LIMS ID: 06-2921  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/20/06

QC Report No: JB46-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/14/06  
Date Received: 02/14/06

Date Extracted: 02/24/06  
Date Analyzed: 03/16/06 20:05  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 5.00  
Percent Moisture: 49.0%  
pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	< 99 U
111-44-4	Bis-(2-Chloroethyl) Ether	99	< 99 U
95-57-8	2-Chlorophenol	99	< 99 U
541-73-1	1,3-Dichlorobenzene	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
67-72-1	Hexachloroethane	99	< 99 U
98-95-3	Nitrobenzene	99	< 99 U
78-59-1	Isophorone	99	< 99 U
88-75-5	2-Nitrophenol	490	< 490 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	490	< 490 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	99	< 99 U
77-47-4	Hexachlorocyclopentadiene	490	< 490 U
88-06-2	2,4,6-Trichlorophenol	490	< 490 U
95-95-4	2,4,5-Trichlorophenol	490	< 490 U
91-58-7	2-Chloronaphthalene	99	< 99 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	99	< 99 U
208-96-8	Acenaphthylene	99	< 99 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	99	< 99 U
51-28-5	2,4-Dinitrophenol	990	< 990 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	99	< 99 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	99	< 99 U
7005-72-3	4-Chlorophenyl-phenylether	99	< 99 U
86-73-7	Fluorene	99	< 99 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	990	< 990 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
85-01-8	Phenanthrene	99	180
120-12-7	Anthracene	99	130

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC16-0-2  
 DILUTION

Lab Sample ID: JB46F  
 LIMS ID: 06-2921  
 Matrix: Sediment  
 Date Analyzed: 03/16/06 20:05

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	4,700
129-00-0	Pyrene	99	3,400
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo(a)anthracene	99	760
117-81-7	bis(2-Ethylhexyl)phthalate	99	320
218-01-9	Chrysene	99	1,200
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo(b)fluoranthene	99	640
207-08-9	Benzo(k)fluoranthene	99	670
50-32-8	Benzo(a)pyrene	99	450
193-39-5	Indeno(1,2,3-cd)pyrene	99	180
53-70-3	Dibenz(a,h)anthracene	99	< 99 U
191-24-2	Benzo(g,h,i)perylene	99	140
62-53-3	Aniline	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	53.6%	2-Fluorobiphenyl	49.0%
d14-p-Terphenyl	48.0%	d4-1,2-Dichlorobenzene	39.2%
d5-Phenol	47.1%	2-Fluorophenol	44.0%
2,4,6-Tribromophenol	51.6%	d4-2-Chlorophenol	45.9%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC16-2-4  
 SAMPLE

Lab Sample ID: JB46G  
 LIMS ID: 06-2922  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/20/06

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/14/06  
 Date Received: 02/14/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/13/06 19:24  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 38.7 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 51.8%  
 pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	78	57 J
111-44-4	Bis-(2-Chloroethyl) Ether	78	< 78 U
95-57-8	2-Chlorophenol	78	< 78 U
541-73-1	1,3-Dichlorobenzene	78	< 78 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	78	< 78 U
106-44-5	4-Methylphenol	78	< 78 U
67-72-1	Hexachloroethane	78	< 78 U
98-95-3	Nitrobenzene	78	< 78 U
78-59-1	Isophorone	78	< 78 U
88-75-5	2-Nitrophenol	390	< 390 U
111-91-1	bis(2-Chloroethoxy) Methane	78	< 78 U
120-83-2	2,4-Dichlorophenol	390	< 390 U
91-20-3	Naphthalene	78	< 78 U
106-47-8	4-Chloroaniline	390	< 390 U
59-50-7	4-Chloro-3-methylphenol	390	< 390 U
91-57-6	2-Methylnaphthalene	78	< 78 U
77-47-4	Hexachlorocyclopentadiene	390	< 390 U
88-06-2	2,4,6-Trichlorophenol	390	< 390 U
95-95-4	2,4,5-Trichlorophenol	390	< 390 U
91-58-7	2-Chloronaphthalene	78	< 78 U
88-74-4	2-Nitroaniline	390	< 390 U
131-11-3	Dimethylphthalate	78	< 78 U
208-96-8	Acenaphthylene	78	< 78 U
99-09-2	3-Nitroaniline	390	< 390 U
83-32-9	Acenaphthene	78	120
51-28-5	2,4-Dinitrophenol	780	< 780 U
100-02-7	4-Nitrophenol	390	< 390 U
132-64-9	Dibenzofuran	78	< 78 U
606-20-2	2,6-Dinitrotoluene	390	< 390 U
121-14-2	2,4-Dinitrotoluene	390	< 390 U
84-66-2	Diethylphthalate	78	< 78 U
7005-72-3	4-Chlorophenyl-phenylether	78	< 78 U
86-73-7	Fluorene	78	140
100-01-6	4-Nitroaniline	390	< 390 U
534-52-1	4,6-Dinitro-2-Methylphenol	780	< 780 U
101-55-3	4-Bromophenyl-phenylether	78	< 78 U
85-01-8	Phenanthrene	78	250
120-12-7	Anthracene	78	180

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC16-2-4  
SAMPLE

Lab Sample ID: JB46G  
LIMS ID: 06-2922  
Matrix: Sediment  
Date Analyzed: 03/13/06 19:24

QC Report No: JB46-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	78	< 78 U
206-44-0	Fluoranthene	78	1,300
129-00-0	Pyrene	78	1,100
91-94-1	3,3'-Dichlorobenzidine	390	< 390 U
56-55-3	Benzo(a)anthracene	78	360
117-81-7	bis(2-Ethylhexyl)phthalate	78	3,100
218-01-9	Chrysene	78	410
117-84-0	Di-n-Octyl phthalate	78	< 78 U
205-99-2	Benzo(b)fluoranthene	78	370
207-08-9	Benzo(k)fluoranthene	78	270
50-32-8	Benzo(a)pyrene	78	250
193-39-5	Indeno(1,2,3-cd)pyrene	78	69 J
53-70-3	Dibenz(a,h)anthracene	78	< 78 U
191-24-2	Benzo(g,h,i)perylene	78	67 J
62-53-3	Aniline	78	< 78 U
90-12-0	1-Methylnaphthalene	78	< 78 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	54.6%	2-Fluorobiphenyl	53.0%
d14-p-Terphenyl	45.7%	d4-1,2-Dichlorobenzene	46.4%
d5-Phenol	56.3%	2-Fluorophenol	52.8%
2,4,6-Tribromophenol	53.0%	d4-2-Chlorophenol	54.5%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC16-4-6

SAMPLE

Lab Sample ID: JH57T

LIMS ID: 06-7261

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 20:08

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.6 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 51.2%

pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	65	< 65 U
111-44-4	Bis-(2-Chloroethyl) Ether	65	< 65 U
95-57-8	2-Chlorophenol	65	< 65 U
541-73-1	1,3-Dichlorobenzene	65	< 65 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	65	< 65 U
106-44-5	4-Methylphenol	65	< 65 U
67-72-1	Hexachloroethane	65	< 65 U
98-95-3	Nitrobenzene	65	< 65 U
78-59-1	Isophorone	65	< 65 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	65	< 65 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>65</b>	<b>73</b>
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	65	< 65 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	65	< 65 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	65	< 65 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>65</b>	<b>56 J</b>
99-09-2	3-Nitroaniline	330	< 330 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>65</b>	<b>360</b>
51-28-5	2,4-Dinitrophenol	650	< 650 U
100-02-7	4-Nitrophenol	330	< 330 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>65</b>	<b>150</b>
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	65	< 65 U
7005-72-3	4-Chlorophenyl-phenylether	65	< 65 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>65</b>	<b>200</b>
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	650	< 650 U
101-55-3	4-Bromophenyl-phenylether	65	< 65 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>65</b>	<b>590</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC16-4-6

**SAMPLE**

Lab Sample ID: JH57T

LIMS ID: 06-7261

Matrix: Sediment

Date Analyzed: 05/16/06 20:08

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	65	580
84-74-2	Di-n-Butylphthalate	65	67
206-44-0	Fluoranthene	65	5,800 E
129-00-0	Pyrene	65	7,600 E
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	65	1,600
117-81-7	bis (2-Ethylhexyl) phthalate	65	1,600
218-01-9	Chrysene	65	1,700
117-84-0	Di-n-Octyl phthalate	65	< 65 U
205-99-2	Benzo (b) fluoranthene	65	1,400
207-08-9	Benzo (k) fluoranthene	65	740
50-32-8	Benzo (a) pyrene	65	820
193-39-5	Indeno (1,2,3-cd) pyrene	65	140
191-24-2	Benzo (g,h,i) perylene	65	130
62-53-3	Aniline	65	< 65 U
90-12-0	1-Methylnaphthalene	65	70

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	74.0%	2-Fluorobiphenyl	74.8%
d14-p-Terphenyl	47.2%	d4-1,2-Dichlorobenzene	61.6%
d5-Phenol	71.2%	2-Fluorophenol	68.5%
2,4,6-Tribromophenol	77.3%	d4-2-Chlorophenol	67.5%



## ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC16-4-6

DILUTION

Lab Sample ID: JH57T

LIMS ID: 06-7261

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Date Extracted: 05/10/06

Date Analyzed: 05/17/06 15:30

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.6 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 5.00

Percent Moisture: 51.2%

pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	330	< 330 U
111-44-4	Bis-(2-Chloroethyl) Ether	330	< 330 U
95-57-8	2-Chlorophenol	330	< 330 U
541-73-1	1,3-Dichlorobenzene	330	< 330 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	330	< 330 U
106-44-5	4-Methylphenol	330	< 330 U
67-72-1	Hexachloroethane	330	< 330 U
98-95-3	Nitrobenzene	330	< 330 U
78-59-1	Isophorone	330	< 330 U
88-75-5	2-Nitrophenol	1,600	< 1,600 U
65-85-0	Benzoic Acid	2,900	< 2,900 U
111-91-1	bis(2-Chloroethoxy) Methane	330	< 330 U
120-83-2	2,4-Dichlorophenol	1,600	< 1,600 U
91-20-3	Naphthalene	330	< 330 U
106-47-8	4-Chloroaniline	1,600	< 1,600 U
59-50-7	4-Chloro-3-methylphenol	1,600	< 1,600 U
91-57-6	2-Methylnaphthalene	330	< 330 U
77-47-4	Hexachlorocyclopentadiene	1,600	< 1,600 U
88-06-2	2,4,6-Trichlorophenol	1,600	< 1,600 U
95-95-4	2,4,5-Trichlorophenol	1,600	< 1,600 U
91-58-7	2-Chloronaphthalene	330	< 330 U
88-74-4	2-Nitroaniline	1,600	< 1,600 U
131-11-3	Dimethylphthalate	330	< 330 U
208-96-8	Acenaphthylene	330	< 330 U
99-09-2	3-Nitroaniline	1,600	< 1,600 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>330</b>	<b>330</b>
51-28-5	2,4-Dinitrophenol	3,300	< 3,300 U
100-02-7	4-Nitrophenol	1,600	< 1,600 U
132-64-9	Dibenzofuran	330	< 330 U
606-20-2	2,6-Dinitrotoluene	1,600	< 1,600 U
121-14-2	2,4-Dinitrotoluene	1,600	< 1,600 U
84-66-2	Diethylphthalate	330	< 330 U
7005-72-3	4-Chlorophenyl-phenylether	330	< 330 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>330</b>	<b>190 J</b>
100-01-6	4-Nitroaniline	1,600	< 1,600 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,300	< 3,300 U
101-55-3	4-Bromophenyl-phenylether	330	< 330 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>330</b>	<b>510</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC16-4-6

DILUTION

Lab Sample ID: JH57T

LIMS ID: 06-7261

Matrix: Sediment

Date Analyzed: 05/17/06 15:30

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	330	460
84-74-2	Di-n-Butylphthalate	330	< 330 U
206-44-0	Fluoranthene	330	4,900
129-00-0	Pyrene	330	10,000
91-94-1	3,3'-Dichlorobenzidine	1,600	< 1,600 U
56-55-3	Benzo (a) anthracene	330	1,500
117-81-7	bis (2-Ethylhexyl) phthalate	330	1,600
218-01-9	Chrysene	330	1,700
117-84-0	Di-n-Octyl phthalate	330	< 330 U
205-99-2	Benzo (b) fluoranthene	330	1,300
207-08-9	Benzo (k) fluoranthene	330	590
50-32-8	Benzo (a) pyrene	330	710
193-39-5	Indeno (1,2,3-cd) pyrene	330	250 J
191-24-2	Benzo (g,h,i) perylene	330	270 J
62-53-3	Aniline	330	< 330 U
90-12-0	1-Methylnaphthalene	330	< 330 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.4%	2-Fluorobiphenyl	72.2%
d14-p-Terphenyl	54.8%	d4-1,2-Dichlorobenzene	58.4%
d5-Phenol	66.3%	2-Fluorophenol	61.1%
2,4,6-Tribromophenol	64.0%	d4-2-Chlorophenol	65.7%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC16-8-10

SAMPLE

Lab Sample ID: JH57U

LIMS ID: 06-7262

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 20:43

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.4 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 37.9%

pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	< 66 U
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
106-44-5	4-Methylphenol	66	< 66 U
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	66	< 66 U
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	66	< 66 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	66	< 66 U
208-96-8	Acenaphthylene	66	< 66 U
99-09-2	3-Nitroaniline	330	< 330 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>66</b>	<b>99</b>
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	66	< 66 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>66</b>	<b>42 J</b>
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>66</b>	<b>88</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC16-8-10

SAMPLE

Lab Sample ID: JH57U

LIMS ID: 06-7262

Matrix: Sediment

Date Analyzed: 05/16/06 20:43

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	46 J
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	Fluoranthene	66	210
129-00-0	Pyrene	66	390
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	66	100
117-81-7	bis(2-Ethylhexyl)phthalate	66	< 66 U
218-01-9	Chrysene	66	130
117-84-0	Di-n-Octyl phthalate	66	< 66 U
205-99-2	Benzo (b) fluoranthene	66	130
207-08-9	Benzo (k) fluoranthene	66	63 J
50-32-8	Benzo (a) pyrene	66	88
193-39-5	Indeno (1,2,3-cd) pyrene	66	42 J
191-24-2	Benzo (g,h,i) perylene	66	51 J
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	< 66 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	66.8%	2-Fluorobiphenyl	72.4%
d14-p-Terphenyl	74.0%	d4-1,2-Dichlorobenzene	59.6%
d5-Phenol	69.6%	2-Fluorophenol	65.9%
2,4,6-Tribromophenol	69.6%	d4-2-Chlorophenol	67.7%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC17-0-1  
**SAMPLE**

Lab Sample ID: JC42G  
 LIMS ID: 06-3822  
 Matrix: Sediment  
 Data Release Authorized: *[Signature]*  
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/17/06 15:30  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 48.3 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 55.0%  
 pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>62</b>	<b>120</b>
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>62</b>	<b>69</b>
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>62</b>	<b>67</b>
99-09-2	3-Nitroaniline	310	< 310 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>62</b>	<b>65</b>
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>62</b>	<b>77</b>
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>62</b>	<b>110</b>
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>62</b>	<b>560</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>62</b>	<b>520</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC17-0-1  
**SAMPLE**

Lab Sample ID: JC42G  
 LIMS ID: 06-3822  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 15:30

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	2,000
129-00-0	Pyrene	62	2,400
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	1,100
117-81-7	bis (2-Ethylhexyl)phthalate	62	570
218-01-9	Chrysene	62	1,800
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	2,200
207-08-9	Benzo (k) fluoranthene	62	1,300
50-32-8	Benzo (a) pyrene	62	1,300
193-39-5	Indeno (1,2,3-cd) pyrene	62	320
53-70-3	Dibenz (a, h) anthracene	62	80
191-24-2	Benzo (g, h, i) perylene	62	250
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	59.3%	2-Fluorobiphenyl	54.1%
d14-p-Terphenyl	37.8%	d4-1,2-Dichlorobenzene	46.9%
d5-Phenol	59.5%	2-Fluorophenol	54.8%
2,4,6-Tribromophenol	60.0%	d4-2-Chlorophenol	54.1%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC17-1-2  
SAMPLE

Lab Sample ID: JC42H  
LIMS ID: 06-3823  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/24/06  
Date Received: 02/24/06

Date Extracted: 03/09/06  
Date Analyzed: 03/21/06 10:09  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 5.00  
Percent Moisture: 53.1%  
pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	69 J
111-44-4	Bis-(2-Chloroethyl) Ether	99	< 99 U
95-57-8	2-Chlorophenol	99	< 99 U
541-73-1	1,3-Dichlorobenzene	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
67-72-1	Hexachloroethane	99	< 99 U
98-95-3	Nitrobenzene	99	< 99 U
78-59-1	Isophorone	99	< 99 U
88-75-5	2-Nitrophenol	500	< 500 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
91-20-3	<b>Naphthalene</b>	99	150
106-47-8	4-Chloroaniline	500	< 500 U
59-50-7	4-Chloro-3-methylphenol	500	< 500 U
91-57-6	2-Methylnaphthalene	99	< 99 U
77-47-4	Hexachlorocyclopentadiene	500	< 500 U
88-06-2	2,4,6-Trichlorophenol	500	< 500 U
95-95-4	2,4,5-Trichlorophenol	500	< 500 U
91-58-7	2-Chloronaphthalene	99	< 99 U
88-74-4	2-Nitroaniline	500	< 500 U
131-11-3	Dimethylphthalate	99	< 99 U
208-96-8	<b>Acenaphthylene</b>	99	90 J
99-09-2	3-Nitroaniline	500	< 500 U
83-32-9	<b>Acenaphthene</b>	99	380
51-28-5	2,4-Dinitrophenol	990	< 990 U
100-02-7	4-Nitrophenol	500	< 500 U
132-64-9	<b>Dibenzofuran</b>	99	210
606-20-2	2,6-Dinitrotoluene	500	< 500 U
121-14-2	2,4-Dinitrotoluene	500	< 500 U
84-66-2	Diethylphthalate	99	< 99 U
7005-72-3	4-Chlorophenyl-phenylether	99	< 99 U
86-73-7	<b>Fluorene</b>	99	340
100-01-6	4-Nitroaniline	500	< 500 U
534-52-1	4,6-Dinitro-2-Methylphenol	990	< 990 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
85-01-8	<b>Phenanthrene</b>	99	1,200
120-12-7	<b>Anthracene</b>	99	1,600

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC17-1-2  
SAMPLE

Lab Sample ID: JC42H  
LIMS ID: 06-3823  
Matrix: Sediment  
Date Analyzed: 03/21/06 10:09

QC Report No: JC42-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	5,600
129-00-0	Pyrene	99	3,700
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	99	1,500
117-81-7	bis (2-Ethylhexyl) phthalate	99	440
218-01-9	Chrysene	99	2,400
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo (b) fluoranthene	99	1,800
207-08-9	Benzo (k) fluoranthene	99	1,400
50-32-8	Benzo (a) pyrene	99	1,400
193-39-5	Indeno (1,2,3-cd) pyrene	99	570
53-70-3	Dibenz (a, h) anthracene	99	140
191-24-2	Benzo (g, h, i) perylene	99	490
62-53-3	Aniline	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	45.6%	2-Fluorobiphenyl	42.0%
d14-p-Terphenyl	24.0%	d4-1,2-Dichlorobenzene	32.0%
d5-Phenol	43.9%	2-Fluorophenol	37.3%
2,4,6-Tribromophenol	34.3%	d4-2-Chlorophenol	39.2%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC17-1-2  
 DILUTION

Lab Sample ID: JC42H  
 LIMS ID: 06-3823  
 Matrix: Sediment  
 Data Release Authorized: *AB*  
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/21/06 15:43  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 15.0  
 Percent Moisture: 53.1%  
 pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	300	< 300 U
111-44-4	Bis-(2-Chloroethyl) Ether	300	< 300 U
95-57-8	2-Chlorophenol	300	< 300 U
541-73-1	1,3-Dichlorobenzene	300	< 300 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	300	< 300 U
106-44-5	4-Methylphenol	300	< 300 U
67-72-1	Hexachloroethane	300	< 300 U
98-95-3	Nitrobenzene	300	< 300 U
78-59-1	Isophorone	300	< 300 U
88-75-5	2-Nitrophenol	1,500	< 1,500 U
111-91-1	bis(2-Chloroethoxy) Methane	300	< 300 U
120-83-2	2,4-Dichlorophenol	1,500	< 1,500 U
91-20-3	Naphthalene	300	< 300 U
106-47-8	4-Chloroaniline	1,500	< 1,500 U
59-50-7	4-Chloro-3-methylphenol	1,500	< 1,500 U
91-57-6	2-Methylnaphthalene	300	< 300 U
77-47-4	Hexachlorocyclopentadiene	1,500	< 1,500 U
88-06-2	2,4,6-Trichlorophenol	1,500	< 1,500 U
95-95-4	2,4,5-Trichlorophenol	1,500	< 1,500 U
91-58-7	2-Chloronaphthalene	300	< 300 U
88-74-4	2-Nitroaniline	1,500	< 1,500 U
131-11-3	Dimethylphthalate	300	< 300 U
208-96-8	Acenaphthylene	300	< 300 U
99-09-2	3-Nitroaniline	1,500	< 1,500 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>300</b>	<b>430</b>
51-28-5	2,4-Dinitrophenol	3,000	< 3,000 U
100-02-7	4-Nitrophenol	1,500	< 1,500 U
132-64-9	Dibenzofuran	300	< 300 U
606-20-2	2,6-Dinitrotoluene	1,500	< 1,500 U
121-14-2	2,4-Dinitrotoluene	1,500	< 1,500 U
84-66-2	Diethylphthalate	300	< 300 U
7005-72-3	4-Chlorophenyl-phenylether	300	< 300 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>300</b>	<b>360</b>
100-01-6	4-Nitroaniline	1,500	< 1,500 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,000	< 3,000 U
101-55-3	4-Bromophenyl-phenylether	300	< 300 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>300</b>	<b>1,300</b>
120-12-7	Anthracene	300	1,700

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC17-1-2  
 DILUTION

Lab Sample ID: JC42H  
 LIMS ID: 06-3823  
 Matrix: Sediment  
 Date Analyzed: 03/21/06 15:43

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	300	< 300 U
206-44-0	Fluoranthene	300	5,700
129-00-0	Pyrene	300	4,200
91-94-1	3,3'-Dichlorobenzidine	1,500	< 1,500 U
56-55-3	Benzo (a) anthracene	300	1,600
117-81-7	bis (2-Ethylhexyl) phthalate	300	460
218-01-9	Chrysene	300	2,500
117-84-0	Di-n-Octyl phthalate	300	< 300 U
205-99-2	Benzo (b) fluoranthene	300	2,000
207-08-9	Benzo (k) fluoranthene	300	1,800
50-32-8	Benzo (a) pyrene	300	1,500
193-39-5	Indeno (1,2,3-cd) pyrene	300	410
53-70-3	Dibenz (a, h) anthracene	300	< 300 U
191-24-2	Benzo (g, h, i) perylene	300	300
62-53-3	Aniline	300	< 300 U
90-12-0	1-Methylnaphthalene	300	< 300 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	47.4%	2-Fluorobiphenyl	47.4%
d14-p-Terphenyl	28.2%	d4-1,2-Dichlorobenzene	32.4%
d5-Phenol	41.6%	2-Fluorophenol	34.8%
2,4,6-Tribromophenol	30.4%	d4-2-Chlorophenol	37.6%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC17-2-4  
**SAMPLE**

Lab Sample ID: JC42I  
 LIMS ID: 06-3824  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/19/06 10:32  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 7.09 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 55.8%  
 pH: 8.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	140	< 140 U
111-44-4	Bis-(2-Chloroethyl) Ether	140	< 140 U
95-57-8	2-Chlorophenol	140	< 140 U
541-73-1	1,3-Dichlorobenzene	140	< 140 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	140	< 140 U
106-44-5	4-Methylphenol	140	< 140 U
67-72-1	Hexachloroethane	140	< 140 U
98-95-3	Nitrobenzene	140	< 140 U
78-59-1	Isophorone	140	< 140 U
88-75-5	2-Nitrophenol	700	< 700 U
111-91-1	bis(2-Chloroethoxy) Methane	140	< 140 U
120-83-2	2,4-Dichlorophenol	700	< 700 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>140</b>	<b>3,400</b>
106-47-8	4-Chloroaniline	700	< 700 U
59-50-7	4-Chloro-3-methylphenol	700	< 700 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>140</b>	<b>4,500</b>
77-47-4	Hexachlorocyclopentadiene	700	< 700 U
88-06-2	2,4,6-Trichlorophenol	700	< 700 U
95-95-4	2,4,5-Trichlorophenol	700	< 700 U
91-58-7	2-Chloronaphthalene	140	< 140 U
88-74-4	2-Nitroaniline	700	< 700 U
131-11-3	Dimethylphthalate	140	< 140 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>140</b>	<b>93 J</b>
99-09-2	3-Nitroaniline	700	< 700 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>140</b>	<b>4,600</b>
51-28-5	2,4-Dinitrophenol	1,400	< 1,400 U
100-02-7	4-Nitrophenol	700	< 700 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>140</b>	<b>1,700</b>
606-20-2	2,6-Dinitrotoluene	700	< 700 U
121-14-2	2,4-Dinitrotoluene	700	< 700 U
84-66-2	Diethylphthalate	140	< 140 U
7005-72-3	4-Chlorophenyl-phenylether	140	< 140 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>140</b>	<b>4,300</b>
100-01-6	4-Nitroaniline	700	< 700 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,400	< 1,400 U
101-55-3	4-Bromophenyl-phenylether	140	< 140 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>140</b>	<b>12,000 E</b>
120-12-7	Anthracene	140	1,900

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC17-2-4  
**SAMPLE**

Lab Sample ID: JC42I  
 LIMS ID: 06-3824  
 Matrix: Sediment  
 Date Analyzed: 03/19/06 10:32

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	140	< 140 U
206-44-0	Fluoranthene	140	7,400
129-00-0	Pyrene	140	5,700
91-94-1	3,3'-Dichlorobenzidine	700	< 700 U
56-55-3	Benzo (a) anthracene	140	1,500
117-81-7	bis (2-Ethylhexyl) phthalate	140	2,300
218-01-9	Chrysene	140	1,800
117-84-0	Di-n-Octyl phthalate	140	< 140 U
205-99-2	Benzo (b) fluoranthene	140	1,700
207-08-9	Benzo (k) fluoranthene	140	990
50-32-8	Benzo (a) pyrene	140	940
193-39-5	Indeno (1,2,3-cd) pyrene	140	180
53-70-3	Dibenz (a, h) anthracene	140	< 140 U
191-24-2	Benzo (g, h, i) perylene	140	140 J
62-53-3	Aniline	140	< 140 U
90-12-0	1-Methylnaphthalene	140	2,600

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	58.8%	2-Fluorobiphenyl	52.4%
d14-p-Terphenyl	48.8%	d4-1,2-Dichlorobenzene	46.0%
d5-Phenol	57.6%	2-Fluorophenol	53.9%
2,4,6-Tribromophenol	58.9%	d4-2-Chlorophenol	51.5%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC17-2-4**  
**DILUTION**

Lab Sample ID: JC42I  
 LIMS ID: 06-3824  
 Matrix: Sediment  
 Data Release Authorized: *AS*  
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/20/06 15:50  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 7.09 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 55.8%  
 pH: 8.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	420	< 420 U
111-44-4	Bis-(2-Chloroethyl) Ether	420	< 420 U
95-57-8	2-Chlorophenol	420	< 420 U
541-73-1	1,3-Dichlorobenzene	420	< 420 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	420	< 420 U
106-44-5	4-Methylphenol	420	< 420 U
67-72-1	Hexachloroethane	420	< 420 U
98-95-3	Nitrobenzene	420	< 420 U
78-59-1	Isophorone	420	< 420 U
88-75-5	2-Nitrophenol	2,100	< 2,100 U
111-91-1	bis(2-Chloroethoxy) Methane	420	< 420 U
120-83-2	2,4-Dichlorophenol	2,100	< 2,100 U
91-20-3	<b>Naphthalene</b>	<b>420</b>	<b>3,000</b>
106-47-8	4-Chloroaniline	2,100	< 2,100 U
59-50-7	4-Chloro-3-methylphenol	2,100	< 2,100 U
91-57-6	<b>2-Methylnaphthalene</b>	<b>420</b>	<b>3,900</b>
77-47-4	Hexachlorocyclopentadiene	2,100	< 2,100 U
88-06-2	2,4,6-Trichlorophenol	2,100	< 2,100 U
95-95-4	2,4,5-Trichlorophenol	2,100	< 2,100 U
91-58-7	2-Chloronaphthalene	420	< 420 U
88-74-4	2-Nitroaniline	2,100	< 2,100 U
131-11-3	Dimethylphthalate	420	< 420 U
208-96-8	Acenaphthylene	420	< 420 U
99-09-2	3-Nitroaniline	2,100	< 2,100 U
83-32-9	<b>Acenaphthene</b>	<b>420</b>	<b>4,100</b>
51-28-5	2,4-Dinitrophenol	4,200	< 4,200 U
100-02-7	4-Nitrophenol	2,100	< 2,100 U
132-64-9	<b>Dibenzofuran</b>	<b>420</b>	<b>1,500</b>
606-20-2	2,6-Dinitrotoluene	2,100	< 2,100 U
121-14-2	2,4-Dinitrotoluene	2,100	< 2,100 U
84-66-2	Diethylphthalate	420	< 420 U
7005-72-3	4-Chlorophenyl-phenylether	420	< 420 U
86-73-7	<b>Fluorene</b>	<b>420</b>	<b>3,700</b>
100-01-6	4-Nitroaniline	2,100	< 2,100 U
534-52-1	4,6-Dinitro-2-Methylphenol	4,200	< 4,200 U
101-55-3	4-Bromophenyl-phenylether	420	< 420 U
85-01-8	<b>Phenanthrene</b>	<b>420</b>	<b>13,000</b>
120-12-7	<b>Anthracene</b>	<b>420</b>	<b>1,700</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

**Sample ID: LDW-SC17-2-4**  
**DILUTION**

Lab Sample ID: JC42I  
 LIMS ID: 06-3824  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 15:50

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	420	< 420 U
206-44-0	Fluoranthene	420	6,600
129-00-0	Pyrene	420	4,700
91-94-1	3,3'-Dichlorobenzidine	2,100	< 2,100 U
56-55-3	Benzo(a)anthracene	420	1,400
117-81-7	bis(2-Ethylhexyl)phthalate	420	1,600
218-01-9	Chrysene	420	1,600
117-84-0	Di-n-Octyl phthalate	420	< 420 U
205-99-2	Benzo(b)fluoranthene	420	1,100
207-08-9	Benzo(k)fluoranthene	420	1,100
50-32-8	Benzo(a)pyrene	420	690
193-39-5	Indeno(1,2,3-cd)pyrene	420	< 420 U
53-70-3	Dibenz(a,h)anthracene	420	< 420 U
191-24-2	Benzo(g,h,i)perylene	420	< 420 U
62-53-3	Aniline	420	< 420 U
90-12-0	1-Methylnaphthalene	420	2,200

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	52.0%	2-Fluorobiphenyl	49.3%
d14-p-Terphenyl	36.8%	d4-1,2-Dichlorobenzene	41.8%
d5-Phenol	50.6%	2-Fluorophenol	45.0%
2,4,6-Tribromophenol	45.0%	d4-2-Chlorophenol	44.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC17-6-8.2

SAMPLE

Lab Sample ID: JH57AD

LIMS ID: 06-7271

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Date Extracted: 05/10/06

Date Analyzed: 05/17/06 13:45

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.3 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 44.3%

pH: 8.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	< 66 U
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
106-44-5	4-Methylphenol	66	< 66 U
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>66</b>	<b>1,200</b>
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>66</b>	<b>610</b>
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	66	< 66 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>66</b>	<b>98</b>
99-09-2	3-Nitroaniline	330	< 330 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>66</b>	<b>1,200</b>
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>66</b>	<b>710</b>
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>66</b>	<b>1,400</b>
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>66</b>	<b>4,200</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC17-6-8.2

SAMPLE

Lab Sample ID: JH57AD

LIMS ID: 06-7271

Matrix: Sediment

Date Analyzed: 05/17/06 13:45

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	1,700
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	Fluoranthene	66	7,200 E
129-00-0	Pyrene	66	6,000 E
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	66	2,100
117-81-7	bis (2-Ethylhexyl) phthalate	66	1,000
218-01-9	Chrysene	66	2,600
117-84-0	Di-n-Octyl phthalate	66	< 66 U
205-99-2	Benzo (b) fluoranthene	66	2,500
207-08-9	Benzo (k) fluoranthene	66	1,300
50-32-8	Benzo (a) pyrene	66	1,600
193-39-5	Indeno (1,2,3-cd) pyrene	66	320
191-24-2	Benzo (g,h,i) perylene	66	350
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	400

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	65.6%	2-Fluorobiphenyl	67.6%
d14-p-Terphenyl	46.4%	d4-1,2-Dichlorobenzene	54.8%
d5-Phenol	65.6%	2-Fluorophenol	62.9%
2,4,6-Tribromophenol	75.2%	d4-2-Chlorophenol	62.7%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC17-6-8.2

DILUTION

Lab Sample ID: JH57AD

LIMS ID: 06-7271

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Date Extracted: 05/10/06

Date Analyzed: 05/17/06 16:05

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.3 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 5.00

Percent Moisture: 44.3%

pH: 8.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	330	< 330 U
111-44-4	Bis-(2-Chloroethyl) Ether	330	< 330 U
95-57-8	2-Chlorophenol	330	< 330 U
541-73-1	1,3-Dichlorobenzene	330	< 330 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	330	< 330 U
106-44-5	4-Methylphenol	330	< 330 U
67-72-1	Hexachloroethane	330	< 330 U
98-95-3	Nitrobenzene	330	< 330 U
78-59-1	Isophorone	330	< 330 U
88-75-5	2-Nitrophenol	1,600	< 1,600 U
65-85-0	Benzoic Acid	3,000	< 3,000 U
111-91-1	bis(2-Chloroethoxy) Methane	330	< 330 U
120-83-2	2,4-Dichlorophenol	1,600	< 1,600 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>330</b>	<b>1,200</b>
106-47-8	4-Chloroaniline	1,600	< 1,600 U
59-50-7	4-Chloro-3-methylphenol	1,600	< 1,600 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>330</b>	<b>620</b>
77-47-4	Hexachlorocyclopentadiene	1,600	< 1,600 U
88-06-2	2,4,6-Trichlorophenol	1,600	< 1,600 U
95-95-4	2,4,5-Trichlorophenol	1,600	< 1,600 U
91-58-7	2-Chloronaphthalene	330	< 330 U
88-74-4	2-Nitroaniline	1,600	< 1,600 U
131-11-3	Dimethylphthalate	330	< 330 U
208-96-8	Acenaphthylene	330	< 330 U
99-09-2	3-Nitroaniline	1,600	< 1,600 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>330</b>	<b>1,200</b>
51-28-5	2,4-Dinitrophenol	3,300	< 3,300 U
100-02-7	4-Nitrophenol	1,600	< 1,600 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>330</b>	<b>730</b>
606-20-2	2,6-Dinitrotoluene	1,600	< 1,600 U
121-14-2	2,4-Dinitrotoluene	1,600	< 1,600 U
84-66-2	Diethylphthalate	330	< 330 U
7005-72-3	4-Chlorophenyl-phenylether	330	< 330 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>330</b>	<b>1,300</b>
100-01-6	4-Nitroaniline	1,600	< 1,600 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,300	< 3,300 U
101-55-3	4-Bromophenyl-phenylether	330	< 330 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>330</b>	<b>4,900</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC17-6-8.2

DILUTION

Lab Sample ID: JH57AD

LIMS ID: 06-7271

Matrix: Sediment

Date Analyzed: 05/17/06 16:05

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	330	1,700
84-74-2	Di-n-Butylphthalate	330	< 330 U
206-44-0	Fluoranthene	330	7,100
129-00-0	Pyrene	330	7,600
91-94-1	3,3'-Dichlorobenzidine	1,600	< 1,600 U
56-55-3	Benzo (a) anthracene	330	2,100
117-81-7	bis (2-Ethylhexyl) phthalate	330	940
218-01-9	Chrysene	330	2,600
117-84-0	Di-n-Octyl phthalate	330	< 330 U
205-99-2	Benzo (b) fluoranthene	330	2,100
207-08-9	Benzo (k) fluoranthene	330	1,500
50-32-8	Benzo (a) pyrene	330	1,600
193-39-5	Indeno (1,2,3-cd) pyrene	330	520
191-24-2	Benzo (g,h,i) perylene	330	570
62-53-3	Aniline	330	< 330 U
90-12-0	1-Methylnaphthalene	330	440

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	62.0%	2-Fluorobiphenyl	67.2%
d14-p-Terphenyl	53.2%	d4-1,2-Dichlorobenzene	54.4%
d5-Phenol	62.9%	2-Fluorophenol	58.0%
2,4,6-Tribromophenol	60.4%	d4-2-Chlorophenol	59.3%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC18-0-1  
**SAMPLE**

Lab Sample ID: JB98G  
 LIMS ID: 06-3371  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/17/06  
 Date Received: 02/17/06

Date Extracted: 03/02/06  
 Date Analyzed: 03/22/06 18:56  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 27.0%  
 pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>59</b>	<b>35 J</b>
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>59</b>	<b>48 J</b>
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>59</b>	<b>36 J</b>
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>59</b>	<b>290</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>59</b>	<b>150</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC18-0-1  
SAMPLE

Lab Sample ID: JB98G  
LIMS ID: 06-3371  
Matrix: Sediment  
Date Analyzed: 03/22/06 18:56

QC Report No: JB98-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	2,600
129-00-0	Pyrene	59	1,700
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	490
117-81-7	bis (2-Ethylhexyl)phthalate	59	87
218-01-9	Chrysene	59	740
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	500
207-08-9	Benzo (k) fluoranthene	59	470
50-32-8	Benzo (a) pyrene	59	340
193-39-5	Indeno (1,2,3-cd) pyrene	59	94
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	82
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	63.5%
d14-p-Terphenyl	54.1%	d4-1,2-Dichlorobenzene	51.8%
d5-Phenol	66.6%	2-Fluorophenol	56.2%
2,4,6-Tribromophenol	54.0%	d4-2-Chlorophenol	58.1%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2


Sample ID: LDW-SC18-1-2

SAMPLE

Lab Sample ID: JB98H

LIMS ID: 06-3372

Matrix: Sediment

Data Release Authorized: 

Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 03/02/06

Date Analyzed: 03/22/06 19:30

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 23.2%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

Lab Sample ID: JB98H  
 LIMS ID: 06-3372  
 Matrix: Sediment  
 Date Analyzed: 03/22/06 19:30

QC Report No: JB98-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	62
206-44-0	Fluoranthene	20	36
129-00-0	Pyrene	20	76
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	16 J
117-81-7	bis (2-Ethylhexyl) phthalate	20	18 J
218-01-9	Chrysene	20	17 J
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	40
207-08-9	Benzo (k) fluoranthene	20	30
50-32-8	Benzo (a) pyrene	20	27
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	81.2%	2-Fluorobiphenyl	72.4%
d14-p-Terphenyl	66.8%	d4-1,2-Dichlorobenzene	61.2%
d5-Phenol	67.7%	2-Fluorophenol	64.5%
2,4,6-Tribromophenol	66.1%	d4-2-Chlorophenol	65.9%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC18-2-4  
SAMPLE

Lab Sample ID: JB98I  
LIMS ID: 06-3373  
Matrix: Sediment  
Data Release Authorized: *[Signature]*  
Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/17/06  
Date Received: 02/17/06

Date Extracted: 03/02/06  
Date Analyzed: 03/22/06 20:03  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 1.00  
Percent Moisture: 22.8%  
pH: 7.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC18-2-4

SAMPLE

Lab Sample ID: JB98I

LIMS ID: 06-3373

Matrix: Sediment

Date Analyzed: 03/22/06 20:03

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	14 J
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	82.0%	2-Fluorobiphenyl	73.6%
d14-p-Terphenyl	68.8%	d4-1,2-Dichlorobenzene	63.2%
d5-Phenol	74.9%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	69.1%	d4-2-Chlorophenol	68.3%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC19-0-1**  
**SAMPLE**

Lab Sample ID: JC95J  
 LIMS ID: 06-4149  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/27/06 19:13  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 56.6%  
 pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	170
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	46 J
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	46 J
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	250
120-12-7	Anthracene	60	150

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC19-0-1  
SAMPLE

Lab Sample ID: JC95J  
LIMS ID: 06-4149  
Matrix: Sediment  
Date Analyzed: 03/27/06 19:13

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	660
129-00-0	Pyrene	60	1,200
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	60	380
117-81-7	bis(2-Ethylhexyl)phthalate	60	220
218-01-9	Chrysene	60	700
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo(b)fluoranthene	60	610
207-08-9	Benzo(k)fluoranthene	60	510
50-32-8	Benzo(a)pyrene	60	300
193-39-5	Indeno(1,2,3-cd)pyrene	60	92
53-70-3	Dibenz(a,h)anthracene	60	38 J
191-24-2	Benzo(g,h,i)perylene	60	82
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	44.4%	2-Fluorobiphenyl	47.4%
d14-p-Terphenyl	40.9%	d4-1,2-Dichlorobenzene	43.1%
d5-Phenol	45.0%	2-Fluorophenol	39.7%
2,4,6-Tribromophenol	45.6%	d4-2-Chlorophenol	46.0%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC19-1-2  
**SAMPLE**

Lab Sample ID: JC95K  
 LIMS ID: 06-4150  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/27/06 19:46  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 48.5%  
 pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	82
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	48 J
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	49 J
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	200
120-12-7	Anthracene	59	130

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC19-1-2  
SAMPLE

Lab Sample ID: JC95K  
LIMS ID: 06-4150  
Matrix: Sediment  
Date Analyzed: 03/27/06 19:46

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	270
129-00-0	Pyrene	59	2,100
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	180
117-81-7	bis (2-Ethylhexyl) phthalate	59	140
218-01-9	Chrysene	59	440
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	860
207-08-9	Benzo (k) fluoranthene	59	560
50-32-8	Benzo (a) pyrene	59	390
193-39-5	Indeno (1, 2, 3-cd) pyrene	59	92
53-70-3	Dibenz (a, h) anthracene	59	40 J
191-24-2	Benzo (g, h, i) perylene	59	68
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	37.0%	2-Fluorobiphenyl	40.7%
d14-p-Terphenyl	32.9%	d4-1,2-Dichlorobenzene	37.2%
d5-Phenol	37.2%	2-Fluorophenol	33.3%
2,4,6-Tribromophenol	36.2%	d4-2-Chlorophenol	39.2%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC19-2-4  
**SAMPLE**

Lab Sample ID: JC95L  
 LIMS ID: 06-4151  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/27/06 20:19  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 46.1%  
 pH: 8.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	160
120-12-7	Anthracene	59	63

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC19-2-4  
 SAMPLE

Lab Sample ID: JC95L  
 LIMS ID: 06-4151  
 Matrix: Sediment  
 Date Analyzed: 03/27/06 20:19

QC Report No: JC95-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	30 J
206-44-0	Fluoranthene	59	260
129-00-0	Pyrene	59	800
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	150
117-81-7	bis (2-Ethylhexyl) phthalate	59	270
218-01-9	Chrysene	59	230
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	450
207-08-9	Benzo (k) fluoranthene	59	330
50-32-8	Benzo (a) pyrene	59	200
193-39-5	Indeno (1, 2, 3-cd) pyrene	59	69
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	62
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	50.8%	2-Fluorobiphenyl	58.1%
d14-p-Terphenyl	47.6%	d4-1,2-Dichlorobenzene	49.2%
d5-Phenol	52.6%	2-Fluorophenol	45.6%
2,4,6-Tribromophenol	54.4%	d4-2-Chlorophenol	53.8%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC20-0-2

SAMPLE

Lab Sample ID: JB80G

LIMS ID: 06-3223

Matrix: Sediment

Data Release Authorized:

Reported: 03/10/06

QC Report No: JB80-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

04-08-06-24

Date Sampled: 02/15/06

Date Received: 02/15/06

Date Extracted: 02/21/06

Date Analyzed: 03/05/06 07:46

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 45.6%

pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>20</b>	<b>12 J</b>
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>20</b>	<b>11 J</b>
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>20</b>	<b>12 J</b>
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>66</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>20</b>	<b>43</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC20-0-2  
**SAMPLE**

Lab Sample ID: JB80G  
 LIMS ID: 06-3223  
 Matrix: Sediment  
 Date Analyzed: 03/05/06 07:46

QC Report No: JB80-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 04-08-06-24

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	24
206-44-0	Fluoranthene	20	290
129-00-0	Pyrene	20	320
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	86
117-81-7	bis (2-Ethylhexyl) phthalate	20	620
218-01-9	Chrysene	20	120
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	150
207-08-9	Benzo (k) fluoranthene	20	120
50-32-8	Benzo (a) pyrene	20	94
193-39-5	Indeno (1,2,3-cd) pyrene	20	18 J
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	20 J
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	46.8%	2-Fluorobiphenyl	47.2%
d14-p-Terphenyl	34.2%	d4-1,2-Dichlorobenzene	39.7%
d5-Phenol	47.5%	2-Fluorophenol	47.5%
2,4,6-Tribromophenol	54.7%	d4-2-Chlorophenol	47.2%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC20-2-4**  
**SAMPLE**

Lab Sample ID: JB80H  
 LIMS ID: 06-3224  
 Matrix: Sediment  
 Data Release Authorized: *MS*  
 Reported: 03/10/06

QC Report No: JB80-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 04-08-06-24  
 Date Sampled: 02/15/06  
 Date Received: 02/15/06

Date Extracted: 02/21/06  
 Date Analyzed: 03/05/06 08:20  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 46.8%  
 pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>46</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>20</b>	<b>21</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC20-2-4  
SAMPLE

Lab Sample ID: JB80H  
LIMS ID: 06-3224  
Matrix: Sediment  
Date Analyzed: 03/05/06 08:20

QC Report No: JB80-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
04-08-06-24

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	23
206-44-0	Fluoranthene	20	160
129-00-0	Pyrene	20	160
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	38
117-81-7	bis (2-Ethylhexyl)phthalate	20	71
218-01-9	Chrysene	20	50
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	77
207-08-9	Benzo (k) fluoranthene	20	49
50-32-8	Benzo (a) pyrene	20	39
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	42.0%	2-Fluorobiphenyl	49.2%
d14-p-Terphenyl	38.3%	d4-1,2-Dichlorobenzene	33.6%
d5-Phenol	44.5%	2-Fluorophenol	41.9%
2,4,6-Tribromophenol	56.0%	d4-2-Chlorophenol	43.5%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC21-0-1  
**SAMPLE**

Lab Sample ID: JB64E  
 LIMS ID: 06-3075  
 Matrix: Sediment  
 Data Release Authorized: *AB*  
 Reported: 03/10/06

QC Report No: JB64-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/15/06  
 Date Received: 02/15/06

Date Extracted: 02/21/06  
 Date Analyzed: 03/05/06 08:54  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 52.8%  
 pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	180
120-12-7	Anthracene	60	94

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC21-0-1  
SAMPLE

Lab Sample ID: JB64E  
LIMS ID: 06-3075  
Matrix: Sediment  
Date Analyzed: 03/05/06 08:54

QC Report No: JB64-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	30 J
206-44-0	Fluoranthene	60	540
129-00-0	Pyrene	60	560
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	60	230
117-81-7	bis(2-Ethylhexyl)phthalate	60	360
218-01-9	Chrysene	60	460
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo(b)fluoranthene	60	590
207-08-9	Benzo(k)fluoranthene	60	350
50-32-8	Benzo(a)pyrene	60	280
193-39-5	Indeno(1,2,3-cd)pyrene	60	57 J
53-70-3	Dibenz(a,h)anthracene	60	< 60 U
191-24-2	Benzo(g,h,i)perylene	60	58 J
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	45.8%	2-Fluorobiphenyl	44.9%
d14-p-Terphenyl	35.5%	d4-1,2-Dichlorobenzene	40.6%
d5-Phenol	42.9%	2-Fluorophenol	44.9%
2,4,6-Tribromophenol	42.9%	d4-2-Chlorophenol	44.0%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC21-1-2**  
**SAMPLE**

Lab Sample ID: JB64F  
 LIMS ID: 06-3076  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/10/06

QC Report No: JB64-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/15/06  
 Date Received: 02/15/06

Date Extracted: 02/21/06  
 Date Analyzed: 03/07/06 11:11  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 47.5%  
 pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	120
120-12-7	Anthracene	59	53 J

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC21-1-2  
SAMPLE

Lab Sample ID: JB64F  
LIMS ID: 06-3076  
Matrix: Sediment  
Date Analyzed: 03/07/06 11:11

QC Report No: JB64-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	300
129-00-0	Pyrene	59	400
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	59	150
117-81-7	bis(2-Ethylhexyl)phthalate	59	340
218-01-9	Chrysene	59	220
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo(b)fluoranthene	59	310
207-08-9	Benzo(k)fluoranthene	59	230
50-32-8	Benzo(a)pyrene	59	220
193-39-5	Indeno(1,2,3-cd)pyrene	59	82
53-70-3	Dibenz(a,h)anthracene	59	< 59 U
191-24-2	Benzo(g,h,i)perylene	59	88
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	48.4%	2-Fluorobiphenyl	55.7%
d14-p-Terphenyl	47.4%	d4-1,2-Dichlorobenzene	48.6%
d5-Phenol	52.7%	2-Fluorophenol	53.4%
2,4,6-Tribromophenol	62.8%	d4-2-Chlorophenol	55.7%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC21-2-4**  
**SAMPLE**

Lab Sample ID: JB64G  
 LIMS ID: 06-3077  
 Matrix: Sediment  
 Data Release Authorized: *[Signature]*  
 Reported: 03/10/06

QC Report No: JB64-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/15/06  
 Date Received: 02/15/06

Date Extracted: 02/21/06  
 Date Analyzed: 03/07/06 11:45  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 43.2%  
 pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	210
120-12-7	Anthracene	59	74

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC21-2-4  
**SAMPLE**

Lab Sample ID: JB64G  
 LIMS ID: 06-3077  
 Matrix: Sediment  
 Date Analyzed: 03/07/06 11:45

QC Report No: JB64-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	610
129-00-0	Pyrene	59	930
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	230
117-81-7	bis (2-Ethylhexyl) phthalate	59	600
218-01-9	Chrysene	59	320
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	480
207-08-9	Benzo (k) fluoranthene	59	400
50-32-8	Benzo (a) pyrene	59	360
193-39-5	Indeno (1,2,3-cd) pyrene	59	100
53-70-3	Dibenz (a, h) anthracene	59	29 J
191-24-2	Benzo (g, h, i) perylene	59	97
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	47.9%	2-Fluorobiphenyl	56.6%
d14-p-Terphenyl	41.3%	d4-1,2-Dichlorobenzene	49.0%
d5-Phenol	54.6%	2-Fluorophenol	53.9%
2,4,6-Tribromophenol	64.2%	d4-2-Chlorophenol	55.5%



ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC22-0-1.1  
SAMPLE

Lab Sample ID: JB46A  
LIMS ID: 06-2916  
Matrix: Sediment  
Data Release Authorized: *AS*  
Reported: 03/20/06

QC Report No: JB46-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/14/06  
Date Received: 02/14/06

Date Extracted: 02/24/06  
Date Analyzed: 03/13/06 15:25  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 29.0%  
pH: 6.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	24
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	48
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	30
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	12 J
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	200
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	120
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	180
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	570
120-12-7	Anthracene	20	290

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC22-0-1.1  
SAMPLE

Lab Sample ID: JB46A  
LIMS ID: 06-2916  
Matrix: Sediment  
Date Analyzed: 03/13/06 15:25

QC Report No: JB46-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	29 B
206-44-0	Fluoranthene	20	580
129-00-0	Pyrene	20	550
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	130
117-81-7	bis (2-Ethylhexyl) phthalate	20	56
218-01-9	Chrysene	20	160
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	120
207-08-9	Benzo (k) fluoranthene	20	91
50-32-8	Benzo (a) pyrene	20	91
193-39-5	Indeno (1,2,3-cd) pyrene	20	42
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	40
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	46

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	58.8%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	54.0%	d4-1,2-Dichlorobenzene	50.0%
d5-Phenol	61.3%	2-Fluorophenol	57.6%
2,4,6-Tribromophenol	61.3%	d4-2-Chlorophenol	58.7%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC22-1.1-2  
**SAMPLE**

Lab Sample ID: JB46B  
 LIMS ID: 06-2917  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/20/06

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/14/06  
 Date Received: 02/14/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/13/06 15:59  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 24.9%  
 pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	<b>Phenol</b>	<b>20</b>	<b>15 J</b>
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>20</b>	<b>30</b>
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>20</b>	<b>18 J</b>
99-09-2	3-Nitroaniline	98	< 98 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>20</b>	<b>25</b>
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>20</b>	<b>20</b>
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>100</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>20</b>	<b>34</b>

Sample ID: LDW-SC22-1.1-2  
 SAMPLE

Lab Sample ID: JB46B  
 LIMS ID: 06-2917  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 15:59

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	37 B
206-44-0	Fluoranthene	20	150
129-00-0	Pyrene	20	160
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	51
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	67
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	91
207-08-9	Benzo (k) fluoranthene	20	65
50-32-8	Benzo (a) pyrene	20	90
193-39-5	Indeno (1,2,3-cd) pyrene	20	44
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	39
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	56.0%	2-Fluorobiphenyl	54.8%
d14-p-Terphenyl	47.2%	d4-1,2-Dichlorobenzene	47.6%
d5-Phenol	58.4%	2-Fluorophenol	54.7%
2,4,6-Tribromophenol	57.6%	d4-2-Chlorophenol	55.7%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC22-2-4  
**SAMPLE**

Lab Sample ID: JB46C  
 LIMS ID: 06-2918  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/20/06

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/14/06  
 Date Received: 02/14/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/13/06 16:33  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 24.8%  
 pH: 6.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	14 J
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

Sample ID: LDW-SC22-2-4  
 SAMPLE

Lab Sample ID: JB46C  
 LIMS ID: 06-2918  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 16:33

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	12 J
129-00-0	Pyrene	20	15 J
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	65.2%	2-Fluorobiphenyl	63.2%
d14-p-Terphenyl	61.2%	d4-1,2-Dichlorobenzene	56.0%
d5-Phenol	67.7%	2-Fluorophenol	65.9%
2,4,6-Tribromophenol	68.0%	d4-2-Chlorophenol	65.9%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC23-0-2  
**SAMPLE**

Lab Sample ID: JB91C  
 LIMS ID: 06-3311  
 Matrix: Sediment  
 Data Release Authorized: *AB*  
 Reported: 03/21/06

QC Report No: JB91-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/17/06  
 Date Received: 02/17/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/20/06 20:20  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.5 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 46.1%  
 pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	100
120-12-7	Anthracene	59	66

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC23-0-2  
 SAMPLE

Lab Sample ID: JB91C  
 LIMS ID: 06-3311  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 20:20

QC Report No: JB91-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	450 B
129-00-0	Pyrene	59	640
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	190
117-81-7	bis (2-Ethylhexyl)phthalate	59	180
218-01-9	Chrysene	59	290
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	350
207-08-9	Benzo (k) fluoranthene	59	320
50-32-8	Benzo (a) pyrene	59	230
193-39-5	Indeno (1,2,3-cd) pyrene	59	52 J
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	44 J
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	55.3%	2-Fluorobiphenyl	47.9%
d14-p-Terphenyl	40.3%	d4-1,2-Dichlorobenzene	44.4%
d5-Phenol	53.7%	2-Fluorophenol	48.6%
2,4,6-Tribromophenol	45.7%	d4-2-Chlorophenol	49.1%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC23-0-0.5

**SAMPLE**

Lab Sample ID: JL33I

LIMS ID: 06-9400

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 06/26/06

QC Report No: JL33-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 11:15

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.6 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 50.3%

pH: 6.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	400 B
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	61	< 61 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	61	< 61 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	Acenaphthylene	61	33 J
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	61	< 61 U
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	61	< 61 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
86-73-7	Fluorene	61	< 61 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
85-01-8	Phenanthrene	61	210

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

**Sample ID: LDW-SC23-0-0.5**  
**SAMPLE**

Lab Sample ID: JL33I  
 LIMS ID: 06-9400  
 Matrix: Sediment  
 Date Analyzed: 06/23/06 11:15

QC Report No: JL33-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32


CAS Number	Analyte	RL	Result
120-12-7	Anthracene	61	140
84-74-2	Di-n-Butylphthalate	61	< 61 U
206-44-0	Fluoranthene	61	920
129-00-0	Pyrene	61	920
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	61	440
117-81-7	bis (2-Ethylhexyl) phthalate	61	340
218-01-9	Chrysene	61	690
117-84-0	Di-n-Octyl phthalate	61	< 61 U
205-99-2	Benzo (b) fluoranthene	61	600
207-08-9	Benzo (k) fluoranthene	61	400
50-32-8	Benzo (a) pyrene	61	400
193-39-5	Indeno (1,2,3-cd) pyrene	61	220
191-24-2	Benzo (g,h,i) perylene	61	220
62-53-3	Aniline	61	< 61 U
90-12-0	1-Methylnaphthalene	61	< 61 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	60.0%	2-Fluorobiphenyl	66.0%
d14-p-Terphenyl	56.0%	d4-1,2-Dichlorobenzene	58.0%
d5-Phenol	61.6%	2-Fluorophenol	53.6%
2,4,6-Tribromophenol	60.5%	d4-2-Chlorophenol	61.6%

Sample ID: LDW-SC23-0.5-1  
SAMPLE

Lab Sample ID: JL33J  
LIMS ID: 06-9401  
Matrix: Sediment  
Data Release Authorized:  
Reported: 06/26/06 

QC Report No: JL33-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/17/06  
Date Received: 02/17/06

Date Extracted: 06/12/06  
Date Analyzed: 06/23/06 11:49  
Instrument/Analyst: NT2/LJR  
GPC Cleanup: Yes

Sample Amount: 32.4 g-dry-wt  
Final Extract Volume: 2.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 45.5%  
pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	65 B
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
85-01-8	Phenanthrene	62	140

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC23-0.5-1  
SAMPLE

Lab Sample ID: JL33J  
LIMS ID: 06-9401  
Matrix: Sediment  
Date Analyzed: 06/23/06 11:49

QC Report No: JL33-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	86
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	410
129-00-0	Pyrene	62	660
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	280
117-81-7	bis (2-Ethylhexyl) phthalate	62	420
218-01-9	Chrysene	62	480
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	530
207-08-9	Benzo (k) fluoranthene	62	270
50-32-8	Benzo (a) pyrene	62	320
193-39-5	Indeno (1,2,3-cd) pyrene	62	180
191-24-2	Benzo (g,h,i) perylene	62	180
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	66.4%	2-Fluorobiphenyl	73.2%
d14-p-Terphenyl	59.6%	d4-1,2-Dichlorobenzene	67.6%
d5-Phenol	69.1%	2-Fluorophenol	60.8%
2,4,6-Tribromophenol	68.0%	d4-2-Chlorophenol	69.3%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC23-1-1.5

SAMPLE

Lab Sample ID: JL33K

LIMS ID: 06-9402

Matrix: Sediment

Data Release Authorized:

Reported: 06/26/06

QC Report No: JL33-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 12:23

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.6 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 44.1%

pH: 6.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	< 61 U
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	61	< 61 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	61	< 61 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	Acenaphthylene	61	< 61 U
99-09-2	3-Nitroaniline	310	< 310 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>61</b>	<b>40 J</b>
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	61	< 61 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>61</b>	<b>47 J</b>
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>61</b>	<b>380</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC23-1-1.5  
**SAMPLE**

Lab Sample ID: JL33K  
 LIMS ID: 06-9402  
 Matrix: Sediment  
 Date Analyzed: 06/23/06 12:23

QC Report No: JL33-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	61	120
84-74-2	Di-n-Butylphthalate	61	< 61 U
206-44-0	Fluoranthene	61	580
129-00-0	Pyrene	61	1,000
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	61	310
117-81-7	bis (2-Ethylhexyl) phthalate	61	320
218-01-9	Chrysene	61	500
117-84-0	Di-n-Octyl phthalate	61	< 61 U
205-99-2	Benzo (b) fluoranthene	61	540
207-08-9	Benzo (k) fluoranthene	61	390
50-32-8	Benzo (a) pyrene	61	410
193-39-5	Indeno (1,2,3-cd) pyrene	61	210
191-24-2	Benzo (g,h,i) perylene	61	200
62-53-3	Aniline	61	< 61 U
90-12-0	1-Methylnaphthalene	61	< 61 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	67.2%	2-Fluorobiphenyl	75.2%
d14-p-Terphenyl	61.2%	d4-1,2-Dichlorobenzene	67.2%
d5-Phenol	69.3%	2-Fluorophenol	56.5%
2,4,6-Tribromophenol	69.6%	d4-2-Chlorophenol	69.3%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC23-1.5-2

SAMPLE

Lab Sample ID: JL33L

LIMS ID: 06-9403

Matrix: Sediment

Data Release Authorized:

Reported: 06/26/06

QC Report No: JL33-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 12:57

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.4 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 36.5%

pH: 6.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>62</b>	<b>48 J</b>
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>62</b>	<b>44 J</b>
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>62</b>	<b>480</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC23-1.5-2  
SAMPLE

Lab Sample ID: JL33L  
LIMS ID: 06-9403  
Matrix: Sediment  
Date Analyzed: 06/23/06 12:57

QC Report No: JL33-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	87
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	750
129-00-0	Pyrene	62	1,000
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	340
117-81-7	bis (2-Ethylhexyl) phthalate	62	110
218-01-9	Chrysene	62	500
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	400
207-08-9	Benzo (k) fluoranthene	62	370
50-32-8	Benzo (a) pyrene	62	360
193-39-5	Indeno (1,2,3-cd) pyrene	62	210
191-24-2	Benzo (g,h,i) perylene	62	190
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	50.8%	2-Fluorobiphenyl	56.4%
d14-p-Terphenyl	46.8%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	52.0%	2-Fluorophenol	48.3%
2,4,6-Tribromophenol	52.0%	d4-2-Chlorophenol	53.3%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC23-2-4

SAMPLE

Lab Sample ID: JB91D

LIMS ID: 06-3312

Matrix: Sediment

Data Release Authorized:

Reported: 03/21/06

QC Report No: JB91-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 02/24/06

Date Analyzed: 03/21/06 12:22

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 52.2%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>59</b>	<b>95</b>
99-09-2	3-Nitroaniline	300	< 300 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>59</b>	<b>340</b>
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>59</b>	<b>110</b>
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>59</b>	<b>260</b>
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>59</b>	<b>1,200</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>59</b>	<b>1,600</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC23-2-4

SAMPLE

Lab Sample ID: JB91D

LIMS ID: 06-3312

Matrix: Sediment

Date Analyzed: 03/21/06 12:22

QC Report No: JB91-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	7,200 BE
129-00-0	Pyrene	59	3,800
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	3,200
117-81-7	bis (2-Ethylhexyl)phthalate	59	1,600
218-01-9	Chrysene	59	6,200 E
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	3,800
207-08-9	Benzo (k) fluoranthene	59	2,200
50-32-8	Benzo (a) pyrene	59	2,500
193-39-5	Indeno (1,2,3-cd) pyrene	59	680
53-70-3	Dibenz (a,h) anthracene	59	180
191-24-2	Benzo (g,h,i) perylene	59	490
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	52.7%	2-Fluorobiphenyl	46.7%
d14-p-Terphenyl	26.9%	d4-1,2-Dichlorobenzene	40.2%
d5-Phenol	52.6%	2-Fluorophenol	48.2%
2,4,6-Tribromophenol	38.9%	d4-2-Chlorophenol	46.6%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC23-2-4  
 DILUTION

Lab Sample ID: JB91D  
 LIMS ID: 06-3312  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/21/06

QC Report No: JB91-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/17/06  
 Date Received: 02/17/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/21/06 13:29  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 9.00  
 Percent Moisture: 52.2%  
 pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	180	< 180 U
111-44-4	Bis-(2-Chloroethyl) Ether	180	< 180 U
95-57-8	2-Chlorophenol	180	< 180 U
541-73-1	1,3-Dichlorobenzene	180	< 180 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	180	< 180 U
106-44-5	4-Methylphenol	180	< 180 U
67-72-1	Hexachloroethane	180	< 180 U
98-95-3	Nitrobenzene	180	< 180 U
78-59-1	Isophorone	180	< 180 U
88-75-5	2-Nitrophenol	890	< 890 U
111-91-1	bis(2-Chloroethoxy) Methane	180	< 180 U
120-83-2	2,4-Dichlorophenol	890	< 890 U
91-20-3	Naphthalene	180	< 180 U
106-47-8	4-Chloroaniline	890	< 890 U
59-50-7	4-Chloro-3-methylphenol	890	< 890 U
91-57-6	2-Methylnaphthalene	180	< 180 U
77-47-4	Hexachlorocyclopentadiene	890	< 890 U
88-06-2	2,4,6-Trichlorophenol	890	< 890 U
95-95-4	2,4,5-Trichlorophenol	890	< 890 U
91-58-7	2-Chloronaphthalene	180	< 180 U
88-74-4	2-Nitroaniline	890	< 890 U
131-11-3	Dimethylphthalate	180	< 180 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>180</b>	<b>99 J</b>
99-09-2	3-Nitroaniline	890	< 890 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>180</b>	<b>370</b>
51-28-5	2,4-Dinitrophenol	1,800	< 1,800 U
100-02-7	4-Nitrophenol	890	< 890 U
132-64-9	Dibenzofuran	180	< 180 U
606-20-2	2,6-Dinitrotoluene	890	< 890 U
121-14-2	2,4-Dinitrotoluene	890	< 890 U
84-66-2	Diethylphthalate	180	< 180 U
7005-72-3	4-Chlorophenyl-phenylether	180	< 180 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>180</b>	<b>310</b>
100-01-6	4-Nitroaniline	890	< 890 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,800	< 1,800 U
101-55-3	4-Bromophenyl-phenylether	180	< 180 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>180</b>	<b>1,200</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>180</b>	<b>1,700</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC23-2-4  
 DILUTION

Lab Sample ID: JB91D  
 LIMS ID: 06-3312  
 Matrix: Sediment  
 Date Analyzed: 03/21/06 13:29

QC Report No: JB91-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	180	< 180 U
206-44-0	Fluoranthene	180	7,400 B
129-00-0	Pyrene	180	4,500
91-94-1	3,3'-Dichlorobenzidine	890	< 890 U
56-55-3	Benzo (a) anthracene	180	3,400
117-81-7	bis (2-Ethylhexyl) phthalate	180	1,600
218-01-9	Chrysene	180	7,200
117-84-0	Di-n-Octyl phthalate	180	< 180 U
205-99-2	Benzo (b) fluoranthene	180	3,500
207-08-9	Benzo (k) fluoranthene	180	2,600
50-32-8	Benzo (a) pyrene	180	2,600
193-39-5	Indeno (1,2,3-cd) pyrene	180	800
53-70-3	Dibenz (a,h) anthracene	180	200
191-24-2	Benzo (g,h,i) perylene	180	570
62-53-3	Aniline	180	< 180 U
90-12-0	1-Methylnaphthalene	180	< 180 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	56.5%	2-Fluorobiphenyl	52.9%
d14-p-Terphenyl	33.1%	d4-1,2-Dichlorobenzene	41.0%
d5-Phenol	51.6%	2-Fluorophenol	48.0%
2,4,6-Tribromophenol	41.3%	d4-2-Chlorophenol	49.0%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC23-2-2.5

SAMPLE

Lab Sample ID: JL33M

LIMS ID: 06-9404

Matrix: Sediment

Data Release Authorized:

Reported: 06/26/06

QC Report No: JL33-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 13:31

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.4 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 43.2%

pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	<b>Naphthalene</b>	<b>62</b>	<b>110</b>
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	<b>2-Methylnaphthalene</b>	<b>62</b>	<b>89</b>
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	<b>Acenaphthylene</b>	<b>62</b>	<b>41 J</b>
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	<b>Acenaphthene</b>	<b>62</b>	<b>150</b>
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	<b>Dibenzofuran</b>	<b>62</b>	<b>120</b>
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	<b>Fluorene</b>	<b>62</b>	<b>190</b>
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
85-01-8	<b>Phenanthrene</b>	<b>62</b>	<b>1,700</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC23-2-2.5  
SAMPLE

Lab Sample ID: JL33M  
LIMS ID: 06-9404  
Matrix: Sediment  
Date Analyzed: 06/23/06 13:31

QC Report No: JL33-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32


CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	480
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	2,400
129-00-0	Pyrene	62	3,000
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	1,100
117-81-7	bis (2-Ethylhexyl) phthalate	62	110
218-01-9	Chrysene	62	1,100
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	800
207-08-9	Benzo (k) fluoranthene	62	730
50-32-8	Benzo (a) pyrene	62	820
193-39-5	Indeno (1,2,3-cd) pyrene	62	400
191-24-2	Benzo (g,h,i) perylene	62	420
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	70

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	62.4%	2-Fluorobiphenyl	69.6%
d14-p-Terphenyl	52.8%	d4-1,2-Dichlorobenzene	64.0%
d5-Phenol	66.9%	2-Fluorophenol	56.3%
2,4,6-Tribromophenol	63.5%	d4-2-Chlorophenol	66.4%

Sample ID: LDW-SC23-2.5-3  
SAMPLE

Lab Sample ID: JL33N  
LIMS ID: 06-9405  
Matrix: Sediment  
Data Release Authorized:   
Reported: 06/26/06

QC Report No: JL33-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/17/06  
Date Received: 02/17/06

Date Extracted: 06/12/06  
Date Analyzed: 06/23/06 14:05  
Instrument/Analyst: NT2/LJR  
GPC Cleanup: Yes

Sample Amount: 32.4 g-dry-wt  
Final Extract Volume: 2.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 50.5%  
pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>62</b>	<b>570</b>
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>62</b>	<b>110</b>
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>62</b>	<b>230</b>
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>62</b>	<b>380</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC23-2.5-3

SAMPLE

Lab Sample ID: JL33N

QC Report No: JL33-Windward Environmental, LLC

LIMS ID: 06-9405

Project: LDW RI-Subsurface Sediment Chem

Matrix: Sediment

05-08-06-32

Date Analyzed: 06/23/06 14:05

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	170
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	1,200
129-00-0	Pyrene	62	700
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	220
117-81-7	bis (2-Ethylhexyl) phthalate	62	68
218-01-9	Chrysene	62	230
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	140
207-08-9	Benzo (k) fluoranthene	62	120
50-32-8	Benzo (a) pyrene	62	110
193-39-5	Indeno (1,2,3-cd) pyrene	62	49 J
191-24-2	Benzo (g, h, i) perylene	62	46 J
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	58.4%	2-Fluorobiphenyl	64.4%
d14-p-Terphenyl	45.6%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	60.8%	2-Fluorophenol	52.0%
2,4,6-Tribromophenol	59.5%	d4-2-Chlorophenol	60.8%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC23-3-3.5

SAMPLE

Lab Sample ID: JL330

LIMS ID: 06-9406

Matrix: Sediment

Data Release Authorized:

Reported: 06/26/06

QC Report No: JL33-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 14:39

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.2 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 48.3%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>62</b>	<b>200</b>
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>62</b>	<b>120</b>
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>62</b>	<b>130</b>
99-09-2	3-Nitroaniline	310	< 310 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>62</b>	<b>2,100</b>
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>62</b>	<b>650</b>
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>62</b>	<b>1,800</b>
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>62</b>	<b>9,200 E</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC23-3-3.5  
**SAMPLE**

Lab Sample ID: JL330  
 LIMS ID: 06-9406  
 Matrix: Sediment  
 Date Analyzed: 06/23/06 14:39

QC Report No: JL33-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	7,200 E
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	18,000 E
129-00-0	Pyrene	62	10,000 E
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	6,800 E
117-81-7	bis (2-Ethylhexyl) phthalate	62	780
218-01-9	Chrysene	62	6,900 E
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	3,900
207-08-9	Benzo (k) fluoranthene	62	2,500
50-32-8	Benzo (a) pyrene	62	3,000
193-39-5	Indeno (1,2,3-cd) pyrene	62	930
191-24-2	Benzo (g,h,i) perylene	62	730
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	170

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	75.6%
d14-p-Terphenyl	62.0%	d4-1,2-Dichlorobenzene	69.6%
d5-Phenol	71.5%	2-Fluorophenol	62.9%
2,4,6-Tribromophenol	70.7%	d4-2-Chlorophenol	71.2%

Sample ID: LDW-SC23-3-3.5  
DILUTION

Lab Sample ID: JL330  
LIMS ID: 06-9406  
Matrix: Sediment  
Data Release Authorized:  
Reported: 06/26/06

QC Report No: JL33-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/17/06  
Date Received: 02/17/06

Date Extracted: 06/12/06  
Date Analyzed: 06/23/06 18:03  
Instrument/Analyst: NT2/LJR  
GPC Cleanup: Yes

Sample Amount: 32.2 g-dry-wt  
Final Extract Volume: 2.0 mL  
Dilution Factor: 6.00  
Percent Moisture: 48.3%  
pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	370	< 370 U
111-44-4	Bis-(2-Chloroethyl) Ether	370	< 370 U
95-57-8	2-Chlorophenol	370	< 370 U
541-73-1	1,3-Dichlorobenzene	370	< 370 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	< 370 U
106-44-5	4-Methylphenol	370	< 370 U
67-72-1	Hexachloroethane	370	< 370 U
98-95-3	Nitrobenzene	370	< 370 U
78-59-1	Isophorone	370	< 370 U
88-75-5	2-Nitrophenol	1,900	< 1,900 U
65-85-0	Benzoic Acid	3,700	< 3,700 U
111-91-1	bis(2-Chloroethoxy) Methane	370	< 370 U
120-83-2	2,4-Dichlorophenol	1,900	< 1,900 U
91-20-3	Naphthalene	370	< 370 U
106-47-8	4-Chloroaniline	1,900	< 1,900 U
59-50-7	4-Chloro-3-methylphenol	1,900	< 1,900 U
91-57-6	2-Methylnaphthalene	370	< 370 U
77-47-4	Hexachlorocyclopentadiene	1,900	< 1,900 U
88-06-2	2,4,6-Trichlorophenol	1,900	< 1,900 U
95-95-4	2,4,5-Trichlorophenol	1,900	< 1,900 U
91-58-7	2-Chloronaphthalene	370	< 370 U
88-74-4	2-Nitroaniline	1,900	< 1,900 U
131-11-3	Dimethylphthalate	370	< 370 U
208-96-8	Acenaphthylene	370	< 370 U
99-09-2	3-Nitroaniline	1,900	< 1,900 U
83-32-9	Acenaphthene	370	2,200
51-28-5	2,4-Dinitrophenol	3,700	< 3,700 U
100-02-7	4-Nitrophenol	1,900	< 1,900 U
132-64-9	Dibenzofuran	370	680
606-20-2	2,6-Dinitrotoluene	1,900	< 1,900 U
121-14-2	2,4-Dinitrotoluene	1,900	< 1,900 U
84-66-2	Diethylphthalate	370	< 370 U
7005-72-3	4-Chlorophenyl-phenylether	370	< 370 U
86-73-7	Fluorene	370	2,000
100-01-6	4-Nitroaniline	1,900	< 1,900 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,700	< 3,700 U
101-55-3	4-Bromophenyl-phenylether	370	< 370 U
85-01-8	Phenanthrene	370	12,000

Sample ID: LDW-SC23-3-3.5  
 DILUTION

Lab Sample ID: JL330  
 LIMS ID: 06-9406  
 Matrix: Sediment  
 Date Analyzed: 06/23/06 18:03

QC Report No: JL33-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	370	8,800
84-74-2	Di-n-Butylphthalate	370	< 370 U
206-44-0	Fluoranthene	370	24,000
129-00-0	Pyrene	370	14,000
91-94-1	3,3'-Dichlorobenzidine	1,900	< 1,900 U
56-55-3	Benzo(a)anthracene	370	7,100
117-81-7	bis(2-Ethylhexyl)phthalate	370	800
218-01-9	Chrysene	370	7,800
117-84-0	Di-n-Octyl phthalate	370	< 370 U
205-99-2	Benzo(b)fluoranthene	370	4,400
207-08-9	Benzo(k)fluoranthene	370	2,900
50-32-8	Benzo(a)pyrene	370	3,100
193-39-5	Indeno(1,2,3-cd)pyrene	370	890
191-24-2	Benzo(g,h,i)perylene	370	690
62-53-3	Aniline	370	< 370 U
90-12-0	1-Methylnaphthalene	370	< 370 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	69.6%	2-Fluorobiphenyl	75.8%
d14-p-Terphenyl	61.4%	d4-1,2-Dichlorobenzene	69.4%
d5-Phenol	72.2%	2-Fluorophenol	67.0%
2,4,6-Tribromophenol	70.7%	d4-2-Chlorophenol	71.4%

## ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC23-3.5-4

SAMPLE

Lab Sample ID: JL33P

LIMS ID: 06-9407

Matrix: Sediment

Data Release Authorized:

Reported: 06/26/06

QC Report No: JL33-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 15:13

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.7 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 46.9%

pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	< 61 U
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	<b>Naphthalene</b>	<b>61</b>	<b>55 J</b>
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	61	< 61 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	<b>Acenaphthylene</b>	<b>61</b>	<b>76</b>
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	<b>Acenaphthene</b>	<b>61</b>	<b>1,500</b>
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	<b>Dibenzofuran</b>	<b>61</b>	<b>320</b>
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
86-73-7	<b>Fluorene</b>	<b>61</b>	<b>460</b>
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
85-01-8	<b>Phenanthrene</b>	<b>61</b>	<b>1,300</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC23-3.5-4  
SAMPLE

Lab Sample ID: JL33P  
LIMS ID: 06-9407  
Matrix: Sediment  
Date Analyzed: 06/23/06 15:13

QC Report No: JL33-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	61	1,100
84-74-2	Di-n-Butylphthalate	61	< 61 U
206-44-0	Fluoranthene	61	8,000 E
129-00-0	Pyrene	61	4,400
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	61	2,700
117-81-7	bis (2-Ethylhexyl) phthalate	61	380
218-01-9	Chrysene	61	3,100
117-84-0	Di-n-Octyl phthalate	61	< 61 U
205-99-2	Benzo (b) fluoranthene	61	1,900
207-08-9	Benzo (k) fluoranthene	61	1,200
50-32-8	Benzo (a) pyrene	61	1,200
193-39-5	Indeno (1,2,3-cd) pyrene	61	370
191-24-2	Benzo (g,h,i) perylene	61	270
62-53-3	Aniline	61	< 61 U
90-12-0	1-Methylnaphthalene	61	150

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	60.0%	2-Fluorobiphenyl	65.6%
d14-p-Terphenyl	45.6%	d4-1,2-Dichlorobenzene	60.0%
d5-Phenol	62.9%	2-Fluorophenol	54.4%
2,4,6-Tribromophenol	61.1%	d4-2-Chlorophenol	62.4%

## ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC23-3.5-4

DILUTION

Lab Sample ID: JL33P

LIMS ID: 06-9407

Matrix: Sediment

Data Release Authorized: 

Reported: 06/26/06

QC Report No: JL33-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 18:37

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.7 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 6.00

Percent Moisture: 46.9%

pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	370	< 370 U
111-44-4	Bis-(2-Chloroethyl) Ether	370	< 370 U
95-57-8	2-Chlorophenol	370	< 370 U
541-73-1	1,3-Dichlorobenzene	370	< 370 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	< 370 U
106-44-5	4-Methylphenol	370	< 370 U
67-72-1	Hexachloroethane	370	< 370 U
98-95-3	Nitrobenzene	370	< 370 U
78-59-1	Isophorone	370	< 370 U
88-75-5	2-Nitrophenol	1,800	< 1,800 U
65-85-0	Benzoic Acid	3,700	< 3,700 U
111-91-1	bis(2-Chloroethoxy) Methane	370	< 370 U
120-83-2	2,4-Dichlorophenol	1,800	< 1,800 U
91-20-3	Naphthalene	370	< 370 U
106-47-8	4-Chloroaniline	1,800	< 1,800 U
59-50-7	4-Chloro-3-methylphenol	1,800	< 1,800 U
91-57-6	2-Methylnaphthalene	370	< 370 U
77-47-4	Hexachlorocyclopentadiene	1,800	< 1,800 U
88-06-2	2,4,6-Trichlorophenol	1,800	< 1,800 U
95-95-4	2,4,5-Trichlorophenol	1,800	< 1,800 U
91-58-7	2-Chloronaphthalene	370	< 370 U
88-74-4	2-Nitroaniline	1,800	< 1,800 U
131-11-3	Dimethylphthalate	370	< 370 U
208-96-8	Acenaphthylene	370	< 370 U
99-09-2	3-Nitroaniline	1,800	< 1,800 U
83-32-9	Acenaphthene	370	1,600
51-28-5	2,4-Dinitrophenol	3,700	< 3,700 U
100-02-7	4-Nitrophenol	1,800	< 1,800 U
132-64-9	Dibenzofuran	370	320 J
606-20-2	2,6-Dinitrotoluene	1,800	< 1,800 U
121-14-2	2,4-Dinitrotoluene	1,800	< 1,800 U
84-66-2	Diethylphthalate	370	< 370 U
7005-72-3	4-Chlorophenyl-phenylether	370	< 370 U
86-73-7	Fluorene	370	480
100-01-6	4-Nitroaniline	1,800	< 1,800 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,700	< 3,700 U
101-55-3	4-Bromophenyl-phenylether	370	< 370 U
85-01-8	Phenanthrene	370	1,400

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC23-3.5-4  
DILUTION

Lab Sample ID: JL33P  
LIMS ID: 06-9407  
Matrix: Sediment  
Date Analyzed: 06/23/06 18:37

QC Report No: JL33-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	370	1,100
84-74-2	Di-n-Butylphthalate	370	< 370 U
206-44-0	Fluoranthene	370	10,000
129-00-0	Pyrene	370	5,800
91-94-1	3,3'-Dichlorobenzidine	1,800	< 1,800 U
56-55-3	Benzo(a)anthracene	370	2,800
117-81-7	bis(2-Ethylhexyl)phthalate	370	390
218-01-9	Chrysene	370	3,200
117-84-0	Di-n-Octyl phthalate	370	< 370 U
205-99-2	Benzo(b)fluoranthene	370	2,100
207-08-9	Benzo(k)fluoranthene	370	1,300
50-32-8	Benzo(a)pyrene	370	1,200
193-39-5	Indeno(1,2,3-cd)pyrene	370	360 J
191-24-2	Benzo(g,h,i)perylene	370	290 J
62-53-3	Aniline	370	< 370 U
90-12-0	1-Methylnaphthalene	370	< 370 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	59.3%	2-Fluorobiphenyl	66.2%
d14-p-Terphenyl	51.1%	d4-1,2-Dichlorobenzene	62.4%
d5-Phenol	63.8%	2-Fluorophenol	58.7%
2,4,6-Tribromophenol	60.8%	d4-2-Chlorophenol	62.1%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC23-4-6

SAMPLE

Lab Sample ID: JH57V

LIMS ID: 06-7263

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 05/10/06

Date Analyzed: 05/17/06 10:15

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.3 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 48.1%

pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	< 66 U
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
106-44-5	4-Methylphenol	66	< 66 U
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	66	< 66 U
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	66	< 66 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	66	< 66 U
208-96-8	Acenaphthylene	66	< 66 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	66	< 66 U
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	66	< 66 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
86-73-7	Fluorene	66	< 66 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
85-01-8	Phenanthrene	66	150

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC23-4-6

SAMPLE

Lab Sample ID: JH57V

LIMS ID: 06-7263

Matrix: Sediment

Date Analyzed: 05/17/06 10:15

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	53 J
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	Fluoranthene	66	420
129-00-0	Pyrene	66	740
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	66	180
117-81-7	bis (2-Ethylhexyl) phthalate	66	390
218-01-9	Chrysene	66	220
117-84-0	Di-n-Octyl phthalate	66	< 66 U
205-99-2	Benzo (b) fluoranthene	66	300
207-08-9	Benzo (k) fluoranthene	66	180
50-32-8	Benzo (a) pyrene	66	200
193-39-5	Indeno (1,2,3-cd) pyrene	66	83
191-24-2	Benzo (g,h,i) perylene	66	100
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	< 66 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	63.2%	2-Fluorobiphenyl	65.6%
d14-p-Terphenyl	58.8%	d4-1,2-Dichlorobenzene	54.8%
d5-Phenol	64.5%	2-Fluorophenol	61.3%
2,4,6-Tribromophenol	68.0%	d4-2-Chlorophenol	61.9%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC24-0-1  
SAMPLE

Lab Sample ID: JB98Q  
LIMS ID: 06-3381  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/17/06  
Date Received: 02/17/06

Date Extracted: 03/02/06  
Date Analyzed: 03/22/06 22:16  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 3.00  
Percent Moisture: 45.8%  
pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	58	< 58 U
111-44-4	Bis-(2-Chloroethyl) Ether	58	< 58 U
95-57-8	2-Chlorophenol	58	< 58 U
541-73-1	1,3-Dichlorobenzene	58	< 58 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	58	< 58 U
106-44-5	4-Methylphenol	58	< 58 U
67-72-1	Hexachloroethane	58	< 58 U
98-95-3	Nitrobenzene	58	< 58 U
78-59-1	Isophorone	58	< 58 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	58	< 58 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	58	< 58 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	58	< 58 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	58	< 58 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	58	< 58 U
208-96-8	Acenaphthylene	58	< 58 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	58	< 58 U
51-28-5	2,4-Dinitrophenol	580	< 580 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	58	< 58 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	58	< 58 U
7005-72-3	4-Chlorophenyl-phenylether	58	< 58 U
86-73-7	Fluorene	58	< 58 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	580	< 580 U
101-55-3	4-Bromophenyl-phenylether	58	< 58 U
85-01-8	Phenanthrene	58	150
120-12-7	Anthracene	58	81

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC24-0-1  
SAMPLE

Lab Sample ID: JB98Q  
LIMS ID: 06-3381  
Matrix: Sediment  
Date Analyzed: 03/22/06 22:16

QC Report No: JB98-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	470
129-00-0	Pyrene	58	670
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo(a)anthracene	58	220
117-81-7	bis(2-Ethylhexyl)phthalate	58	390
218-01-9	Chrysene	58	360
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo(b)fluoranthene	58	520
207-08-9	Benzo(k)fluoranthene	58	490
50-32-8	Benzo(a)pyrene	58	350
193-39-5	Indeno(1,2,3-cd)pyrene	58	99
53-70-3	Dibenz(a,h)anthracene	58	< 58 U
191-24-2	Benzo(g,h,i)perylene	58	78
62-53-3	Aniline	58	< 58 U
90-12-0	1-Methylnaphthalene	58	< 58 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	65.2%	2-Fluorobiphenyl	54.7%
d14-p-Terphenyl	47.4%	d4-1,2-Dichlorobenzene	45.7%
d5-Phenol	59.6%	2-Fluorophenol	49.8%
2,4,6-Tribromophenol	45.7%	d4-2-Chlorophenol	50.7%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC24-1-2

SAMPLE

Lab Sample ID: JB98R

LIMS ID: 06-3382

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 03/02/06

Date Analyzed: 03/22/06 22:49

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 29.6%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	30
120-12-7	Anthracene	20	16 J

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC24-1-2  
SAMPLE

Lab Sample ID: JB98R  
LIMS ID: 06-3382  
Matrix: Sediment  
Date Analyzed: 03/22/06 22:49

QC Report No: JB98-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	13 J
206-44-0	Fluoranthene	20	140
129-00-0	Pyrene	20	230
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	50
117-81-7	bis (2-Ethylhexyl) phthalate	20	15 J
218-01-9	Chrysene	20	59
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	75
207-08-9	Benzo (k) fluoranthene	20	82
50-32-8	Benzo (a) pyrene	20	56
193-39-5	Indeno (1,2,3-cd) pyrene	20	13 J
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	12 J
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.4%	2-Fluorobiphenyl	64.8%
d14-p-Terphenyl	63.2%	d4-1,2-Dichlorobenzene	52.8%
d5-Phenol	65.6%	2-Fluorophenol	58.9%
2,4,6-Tribromophenol	58.1%	d4-2-Chlorophenol	60.5%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC24-2-4

SAMPLE

Lab Sample ID: JB98S

LIMS ID: 06-3383

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/17/06

Date Received: 02/17/06

Date Extracted: 03/02/06

Date Analyzed: 03/22/06 23:22

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 27.3%

pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC24-2-4

SAMPLE

Lab Sample ID: JB98S

LIMS ID: 06-3383

Matrix: Sediment

Date Analyzed: 03/22/06 23:22

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	14 J
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	19 J
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	16 J
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	18 J
207-08-9	Benzo(k)fluoranthene	20	18 J
50-32-8	Benzo(a)pyrene	20	13 J
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	76.8%	2-Fluorobiphenyl	69.2%
d14-p-Terphenyl	69.6%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	66.7%	2-Fluorophenol	61.3%
2,4,6-Tribromophenol	64.3%	d4-2-Chlorophenol	61.9%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC25-0-1

SAMPLE

Lab Sample ID: JB96Q

LIMS ID: 06-3358

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/21/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Date Extracted: 03/04/06

Date Analyzed: 03/20/06 11:53

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 43.9 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 3.00

Percent Moisture: 52.8%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	68	< 68 U
111-44-4	Bis-(2-Chloroethyl) Ether	68	< 68 U
95-57-8	2-Chlorophenol	68	< 68 U
541-73-1	1,3-Dichlorobenzene	68	< 68 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	68	< 68 U
106-44-5	4-Methylphenol	68	< 68 U
67-72-1	Hexachloroethane	68	< 68 U
98-95-3	Nitrobenzene	68	< 68 U
78-59-1	Isophorone	68	< 68 U
88-75-5	2-Nitrophenol	340	< 340 U
111-91-1	bis(2-Chloroethoxy) Methane	68	< 68 U
120-83-2	2,4-Dichlorophenol	340	< 340 U
91-20-3	Naphthalene	68	< 68 U
106-47-8	4-Chloroaniline	340	< 340 U
59-50-7	4-Chloro-3-methylphenol	340	< 340 U
91-57-6	2-Methylnaphthalene	68	< 68 U
77-47-4	Hexachlorocyclopentadiene	340	< 340 U
88-06-2	2,4,6-Trichlorophenol	340	< 340 U
95-95-4	2,4,5-Trichlorophenol	340	< 340 U
91-58-7	2-Chloronaphthalene	68	< 68 U
88-74-4	2-Nitroaniline	340	< 340 U
131-11-3	Dimethylphthalate	68	< 68 U
208-96-8	Acenaphthylene	68	< 68 U
99-09-2	3-Nitroaniline	340	< 340 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>68</b>	<b>38 J</b>
51-28-5	2,4-Dinitrophenol	680	< 680 U
100-02-7	4-Nitrophenol	340	< 340 U
132-64-9	Dibenzofuran	68	< 68 U
606-20-2	2,6-Dinitrotoluene	340	< 340 U
121-14-2	2,4-Dinitrotoluene	340	< 340 U
84-66-2	Diethylphthalate	68	< 68 U
7005-72-3	4-Chlorophenyl-phenylether	68	< 68 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>68</b>	<b>52 J</b>
100-01-6	4-Nitroaniline	340	< 340 U
534-52-1	4,6-Dinitro-2-Methylphenol	680	< 680 U
101-55-3	4-Bromophenyl-phenylether	68	< 68 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>68</b>	<b>410</b>
120-12-7	Anthracene	68	170

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC25-0-1  
 SAMPLE

Lab Sample ID: JB96Q  
 LIMS ID: 06-3358  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 11:53

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	68	< 68 U
206-44-0	Fluoranthene	68	910
129-00-0	Pyrene	68	920
91-94-1	3,3'-Dichlorobenzidine	340	< 340 U
56-55-3	Benzo (a) anthracene	68	500
117-81-7	bis (2-Ethylhexyl) phthalate	68	350
218-01-9	Chrysene	68	920
117-84-0	Di-n-Octyl phthalate	68	< 68 U
205-99-2	Benzo (b) fluoranthene	68	720
207-08-9	Benzo (k) fluoranthene	68	530
50-32-8	Benzo (a) pyrene	68	500
193-39-5	Indeno (1,2,3-cd) pyrene	68	180
53-70-3	Dibenz (a,h) anthracene	68	< 68 U
191-24-2	Benzo (g,h,i) perylene	68	130
62-53-3	Aniline	68	< 68 U
90-12-0	1-Methylnaphthalene	68	< 68 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	48.1%	2-Fluorobiphenyl	44.0%
d14-p-Terphenyl	29.9%	d4-1,2-Dichlorobenzene	39.4%
d5-Phenol	47.4%	2-Fluorophenol	41.8%
2,4,6-Tribromophenol	42.3%	d4-2-Chlorophenol	43.1%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC25-1-2  
**SAMPLE**

Lab Sample ID: JB96R  
 LIMS ID: 06-3359  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/21/06

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/18/06  
 Date Received: 02/18/06

Date Extracted: 03/04/06  
 Date Analyzed: 03/20/06 12:27  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 48.4%  
 pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>60</b>	<b>31 J</b>
99-09-2	3-Nitroaniline	300	< 300 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>60</b>	<b>35 J</b>
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>60</b>	<b>37 J</b>
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>60</b>	<b>340</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>60</b>	<b>150</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC25-1-2  
 SAMPLE

Lab Sample ID: JB96R  
 LIMS ID: 06-3359  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 12:27

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	83 B
206-44-0	Fluoranthene	60	1,400
129-00-0	Pyrene	60	1,800
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	630
117-81-7	bis (2-Ethylhexyl)phthalate	60	320
218-01-9	Chrysene	60	990
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	850
207-08-9	Benzo (k) fluoranthene	60	720
50-32-8	Benzo (a) pyrene	60	590
193-39-5	Indeno (1,2,3-cd) pyrene	60	200
53-70-3	Dibenz (a,h) anthracene	60	48 J
191-24-2	Benzo (g,h,i) perylene	60	140
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	48.5%	2-Fluorobiphenyl	43.4%
d14-p-Terphenyl	24.8%	d4-1,2-Dichlorobenzene	38.3%
d5-Phenol	47.7%	2-Fluorophenol	43.8%
2,4,6-Tribromophenol	40.5%	d4-2-Chlorophenol	43.0%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC25-2-4

SAMPLE

Lab Sample ID: JB96S

LIMS ID: 06-3360

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/21/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Date Extracted: 03/04/06

Date Analyzed: 03/20/06 13:01

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 50.0 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 3.00

Percent Moisture: 46.2%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	<b>Naphthalene</b>	<b>60</b>	<b>41 J</b>
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	<b>Acenaphthene</b>	<b>60</b>	<b>120</b>
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	<b>Dibenzofuran</b>	<b>60</b>	<b>56 J</b>
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	<b>Fluorene</b>	<b>60</b>	<b>76</b>
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	<b>Phenanthrene</b>	<b>60</b>	<b>530</b>
120-12-7	<b>Anthracene</b>	<b>60</b>	<b>220</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC25-2-4  
 SAMPLE

Lab Sample ID: JB96S  
 LIMS ID: 06-3360  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 13:01

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	2,100
129-00-0	Pyrene	60	1,600
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	660
117-81-7	bis (2-Ethylhexyl) phthalate	60	740
218-01-9	Chrysene	60	910
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	840
207-08-9	Benzo (k) fluoranthene	60	780
50-32-8	Benzo (a) pyrene	60	700
193-39-5	Indeno (1,2,3-cd) pyrene	60	210
53-70-3	Dibenz (a, h) anthracene	60	53 J
191-24-2	Benzo (g, h, i) perylene	60	160
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	55.6%	2-Fluorobiphenyl	51.1%
d14-p-Terphenyl	36.0%	d4-1,2-Dichlorobenzene	42.6%
d5-Phenol	57.4%	2-Fluorophenol	49.2%
2,4,6-Tribromophenol	49.1%	d4-2-Chlorophenol	50.8%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC26-0-1  
**SAMPLE**

Lab Sample ID: JC21AL  
 LIMS ID: 06-3610  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/20/06

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/22/06  
 Date Received: 02/22/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/17/06 02:14  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.5 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 5.00  
 Percent Moisture: 52.4%  
 pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	< 99 U
111-44-4	Bis-(2-Chloroethyl) Ether	99	< 99 U
95-57-8	2-Chlorophenol	99	< 99 U
541-73-1	1,3-Dichlorobenzene	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
67-72-1	Hexachloroethane	99	< 99 U
98-95-3	Nitrobenzene	99	< 99 U
78-59-1	Isophorone	99	< 99 U
88-75-5	2-Nitrophenol	500	< 500 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	500	< 500 U
59-50-7	4-Chloro-3-methylphenol	500	< 500 U
91-57-6	2-Methylnaphthalene	99	< 99 U
77-47-4	Hexachlorocyclopentadiene	500	< 500 U
88-06-2	2,4,6-Trichlorophenol	500	< 500 U
95-95-4	2,4,5-Trichlorophenol	500	< 500 U
91-58-7	2-Chloronaphthalene	99	< 99 U
88-74-4	2-Nitroaniline	500	< 500 U
131-11-3	Dimethylphthalate	99	< 99 U
208-96-8	Acenaphthylene	99	< 99 U
99-09-2	3-Nitroaniline	500	< 500 U
83-32-9	Acenaphthene	99	< 99 U
51-28-5	2,4-Dinitrophenol	990	< 990 U
100-02-7	4-Nitrophenol	500	< 500 U
132-64-9	Dibenzofuran	99	< 99 U
606-20-2	2,6-Dinitrotoluene	500	< 500 U
121-14-2	2,4-Dinitrotoluene	500	< 500 U
84-66-2	Diethylphthalate	99	< 99 U
7005-72-3	4-Chlorophenyl-phenylether	99	< 99 U
86-73-7	Fluorene	99	< 99 U
100-01-6	4-Nitroaniline	500	< 500 U
534-52-1	4,6-Dinitro-2-Methylphenol	990	< 990 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
85-01-8	Phenanthrene	99	190
120-12-7	Anthracene	99	79 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC26-0-1  
**SAMPLE**

Lab Sample ID: JC21AL  
 LIMS ID: 06-3610  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 02:14

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	500
129-00-0	Pyrene	99	460
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	99	260
117-81-7	bis (2-Ethylhexyl)phthalate	99	330
218-01-9	Chrysene	99	390
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo (b) fluoranthene	99	470
207-08-9	Benzo (k) fluoranthene	99	430
50-32-8	Benzo (a) pyrene	99	340
193-39-5	Indeno (1,2,3-cd) pyrene	99	110
53-70-3	Dibenz (a,h) anthracene	99	< 99 U
191-24-2	Benzo (g,h,i) perylene	99	81 J
62-53-3	Aniline	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	57.0%	2-Fluorobiphenyl	48.4%
d14-p-Terphenyl	44.6%	d4-1,2-Dichlorobenzene	43.0%
d5-Phenol	51.2%	2-Fluorophenol	49.2%
2,4,6-Tribromophenol	50.5%	d4-2-Chlorophenol	47.5%



ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC26-1-2  
SAMPLE

Lab Sample ID: JC21AM  
LIMS ID: 06-3611  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/20/06

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/22/06  
Date Received: 02/22/06

Date Extracted: 03/07/06  
Date Analyzed: 03/16/06 21:46  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 3.00  
Percent Moisture: 47.3%  
pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	110
120-12-7	Anthracene	60	51 J

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC26-1-2  
SAMPLE

Lab Sample ID: JC21AM  
LIMS ID: 06-3611  
Matrix: Sediment  
Date Analyzed: 03/16/06 21:46

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	370
129-00-0	Pyrene	60	400
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	170
117-81-7	bis (2-Ethylhexyl) phthalate	60	320
218-01-9	Chrysene	60	280
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	340
207-08-9	Benzo (k) fluoranthene	60	320
50-32-8	Benzo (a) pyrene	60	260
193-39-5	Indeno (1,2,3-cd) pyrene	60	110
53-70-3	Dibenz (a,h) anthracene	60	< 60 U
191-24-2	Benzo (g,h,i) perylene	60	82
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	56.6%	2-Fluorobiphenyl	49.2%
d14-p-Terphenyl	41.0%	d4-1,2-Dichlorobenzene	45.4%
d5-Phenol	53.6%	2-Fluorophenol	52.8%
2,4,6-Tribromophenol	53.0%	d4-2-Chlorophenol	50.3%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC26-2-4  
SAMPLE

Lab Sample ID: JC21AN  
LIMS ID: 06-3612  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/20/06

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/22/06  
Date Received: 02/22/06

Date Extracted: 03/07/06  
Date Analyzed: 03/16/06 22:20  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 5.00  
Percent Moisture: 46.6%  
pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	100	< 100 U
111-44-4	Bis-(2-Chloroethyl) Ether	100	< 100 U
95-57-8	2-Chlorophenol	100	< 100 U
541-73-1	1,3-Dichlorobenzene	100	< 100 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	100	< 100 U
106-44-5	4-Methylphenol	100	< 100 U
67-72-1	Hexachloroethane	100	< 100 U
98-95-3	Nitrobenzene	100	< 100 U
78-59-1	Isophorone	100	< 100 U
88-75-5	2-Nitrophenol	500	< 500 U
111-91-1	bis(2-Chloroethoxy) Methane	100	< 100 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
91-20-3	Naphthalene	100	< 100 U
106-47-8	4-Chloroaniline	500	< 500 U
59-50-7	4-Chloro-3-methylphenol	500	< 500 U
91-57-6	2-Methylnaphthalene	100	< 100 U
77-47-4	Hexachlorocyclopentadiene	500	< 500 U
88-06-2	2,4,6-Trichlorophenol	500	< 500 U
95-95-4	2,4,5-Trichlorophenol	500	< 500 U
91-58-7	2-Chloronaphthalene	100	< 100 U
88-74-4	2-Nitroaniline	500	< 500 U
131-11-3	Dimethylphthalate	100	< 100 U
208-96-8	Acenaphthylene	100	< 100 U
99-09-2	3-Nitroaniline	500	< 500 U
83-32-9	Acenaphthene	100	< 100 U
51-28-5	2,4-Dinitrophenol	1,000	< 1,000 U
100-02-7	4-Nitrophenol	500	< 500 U
132-64-9	Dibenzofuran	100	< 100 U
606-20-2	2,6-Dinitrotoluene	500	< 500 U
121-14-2	2,4-Dinitrotoluene	500	< 500 U
84-66-2	Diethylphthalate	100	< 100 U
7005-72-3	4-Chlorophenyl-phenylether	100	< 100 U
86-73-7	Fluorene	100	< 100 U
100-01-6	4-Nitroaniline	500	< 500 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,000	< 1,000 U
101-55-3	4-Bromophenyl-phenylether	100	< 100 U
85-01-8	Phenanthrene	100	240
120-12-7	Anthracene	100	74 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC26-2-4  
**SAMPLE**

Lab Sample ID: JC21AN  
 LIMS ID: 06-3612  
 Matrix: Sediment  
 Date Analyzed: 03/16/06 22:20

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	100	< 100 U
206-44-0	Fluoranthene	100	750
129-00-0	Pyrene	100	880
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	100	310
117-81-7	bis (2-Ethylhexyl)phthalate	100	590
218-01-9	Chrysene	100	420
117-84-0	Di-n-Octyl phthalate	100	< 100 U
205-99-2	Benzo (b) fluoranthene	100	480
207-08-9	Benzo (k) fluoranthene	100	460
50-32-8	Benzo (a) pyrene	100	400
193-39-5	Indeno (1,2,3-cd) pyrene	100	160
53-70-3	Dibenz (a,h) anthracene	100	< 100 U
191-24-2	Benzo (g,h,i) perylene	100	120
62-53-3	Aniline	100	< 100 U
90-12-0	1-Methylnaphthalene	100	< 100 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	54.0%	2-Fluorobiphenyl	46.6%
d14-p-Terphenyl	36.6%	d4-1,2-Dichlorobenzene	41.8%
d5-Phenol	48.7%	2-Fluorophenol	48.8%
2,4,6-Tribromophenol	45.6%	d4-2-Chlorophenol	46.1%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC26-6-8  
SAMPLE

Lab Sample ID: JH57A  
LIMS ID: 06-7166  
Matrix: Sediment  
Data Release Authorized:  
Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/22/06  
Date Received: 02/22/06

Date Extracted: 05/10/06  
Date Analyzed: 05/16/06 13:08  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 30.6 g-dry-wt  
Final Extract Volume: 2.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 41.5%  
pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	65	< 65 U
111-44-4	Bis-(2-Chloroethyl) Ether	65	< 65 U
95-57-8	2-Chlorophenol	65	< 65 U
541-73-1	1,3-Dichlorobenzene	65	< 65 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	65	< 65 U
<b>106-44-5</b>	<b>4-Methylphenol</b>	<b>65</b>	<b>48 J</b>
67-72-1	Hexachloroethane	65	< 65 U
98-95-3	Nitrobenzene	65	< 65 U
78-59-1	Isophorone	65	< 65 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	65	< 65 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>65</b>	<b>220</b>
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>65</b>	<b>110</b>
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	65	< 65 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	65	< 65 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>65</b>	<b>63 J</b>
99-09-2	3-Nitroaniline	330	< 330 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>65</b>	<b>900</b>
51-28-5	2,4-Dinitrophenol	650	< 650 U
100-02-7	4-Nitrophenol	330	< 330 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>65</b>	<b>360</b>
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	65	< 65 U
7005-72-3	4-Chlorophenyl-phenylether	65	< 65 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>65</b>	<b>420</b>
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	650	< 650 U
101-55-3	4-Bromophenyl-phenylether	65	< 65 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>65</b>	<b>5,900 E</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC26-6-8

SAMPLE

Lab Sample ID: JH57A

LIMS ID: 06-7166

Matrix: Sediment

Date Analyzed: 05/16/06 13:08

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	65	1,300
84-74-2	Di-n-Butylphthalate	65	< 65 U
206-44-0	Fluoranthene	65	12,000 E
129-00-0	Pyrene	65	8,400 E
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	65	3,700
117-81-7	bis (2-Ethylhexyl) phthalate	65	3,800
218-01-9	Chrysene	65	3,900
117-84-0	Di-n-Octyl phthalate	65	57 J
205-99-2	Benzo (b) fluoranthene	65	3,500
207-08-9	Benzo (k) fluoranthene	65	1,700
50-32-8	Benzo (a) pyrene	65	2,800
193-39-5	Indeno (1,2,3-cd) pyrene	65	1,000
191-24-2	Benzo (g,h,i) perylene	65	1,000
62-53-3	Aniline	65	< 65 U
90-12-0	1-Methylnaphthalene	65	84

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	77.6%	2-Fluorobiphenyl	76.8%
d14-p-Terphenyl	66.8%	d4-1,2-Dichlorobenzene	65.6%
d5-Phenol	76.8%	2-Fluorophenol	76.5%
2,4,6-Tribromophenol	77.3%	d4-2-Chlorophenol	74.4%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC26-6-8  
DILUTION

Lab Sample ID: JH57A  
LIMS ID: 06-7166  
Matrix: Sediment  
Data Release Authorized:  
Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/22/06  
Date Received: 02/22/06

Date Extracted: 05/10/06  
Date Analyzed: 05/17/06 14:55  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 30.6 g-dry-wt  
Final Extract Volume: 2.0 mL  
Dilution Factor: 5.00  
Percent Moisture: 41.5%  
pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	330	< 330 U
111-44-4	Bis-(2-Chloroethyl) Ether	330	< 330 U
95-57-8	2-Chlorophenol	330	< 330 U
541-73-1	1,3-Dichlorobenzene	330	< 330 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	330	< 330 U
106-44-5	4-Methylphenol	330	< 330 U
67-72-1	Hexachloroethane	330	< 330 U
98-95-3	Nitrobenzene	330	< 330 U
78-59-1	Isophorone	330	< 330 U
88-75-5	2-Nitrophenol	1,600	< 1,600 U
65-85-0	Benzoic Acid	2,900	< 2,900 U
111-91-1	bis(2-Chloroethoxy) Methane	330	< 330 U
120-83-2	2,4-Dichlorophenol	1,600	< 1,600 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>330</b>	<b>200 J</b>
106-47-8	4-Chloroaniline	1,600	< 1,600 U
59-50-7	4-Chloro-3-methylphenol	1,600	< 1,600 U
91-57-6	2-Methylnaphthalene	330	< 330 U
77-47-4	Hexachlorocyclopentadiene	1,600	< 1,600 U
88-06-2	2,4,6-Trichlorophenol	1,600	< 1,600 U
95-95-4	2,4,5-Trichlorophenol	1,600	< 1,600 U
91-58-7	2-Chloronaphthalene	330	< 330 U
88-74-4	2-Nitroaniline	1,600	< 1,600 U
131-11-3	Dimethylphthalate	330	< 330 U
208-96-8	Acenaphthylene	330	< 330 U
99-09-2	3-Nitroaniline	1,600	< 1,600 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>330</b>	<b>840</b>
51-28-5	2,4-Dinitrophenol	3,300	< 3,300 U
100-02-7	4-Nitrophenol	1,600	< 1,600 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>330</b>	<b>320 J</b>
606-20-2	2,6-Dinitrotoluene	1,600	< 1,600 U
121-14-2	2,4-Dinitrotoluene	1,600	< 1,600 U
84-66-2	Diethylphthalate	330	< 330 U
7005-72-3	4-Chlorophenyl-phenylether	330	< 330 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>330</b>	<b>400</b>
100-01-6	4-Nitroaniline	1,600	< 1,600 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,300	< 3,300 U
101-55-3	4-Bromophenyl-phenylether	330	< 330 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>330</b>	<b>5,600</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC26-6-8

DILUTION

Lab Sample ID: JH57A

LIMS ID: 06-7166

Matrix: Sediment

Date Analyzed: 05/17/06 14:55

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	330	1,200
84-74-2	Di-n-Butylphthalate	330	< 330 U
206-44-0	Fluoranthene	330	10,000
129-00-0	Pyrene	330	9,700
91-94-1	3,3'-Dichlorobenzidine	1,600	< 1,600 U
56-55-3	Benzo (a) anthracene	330	3,200
117-81-7	bis (2-Ethylhexyl) phthalate	330	3,700
218-01-9	Chrysene	330	3,400
117-84-0	Di-n-Octyl phthalate	330	< 330 U
205-99-2	Benzo (b) fluoranthene	330	2,600
207-08-9	Benzo (k) fluoranthene	330	2,100
50-32-8	Benzo (a) pyrene	330	2,300
193-39-5	Indeno (1,2,3-cd) pyrene	330	1,000
191-24-2	Benzo (g,h,i) perylene	330	1,200
62-53-3	Aniline	330	< 330 U
90-12-0	1-Methylnaphthalene	330	< 330 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	68.4%	2-Fluorobiphenyl	69.8%
d14-p-Terphenyl	75.8%	d4-1,2-Dichlorobenzene	57.8%
d5-Phenol	66.4%	2-Fluorophenol	63.1%
2,4,6-Tribromophenol	67.7%	d4-2-Chlorophenol	65.3%



Lab Sample ID: JB46Y  
 LIMS ID: 06-2940  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/20/06

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/14/06  
 Date Received: 02/14/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/13/06 19:59  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.5 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 46.6%  
 pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	160
120-12-7	Anthracene	59	68

Lab Sample ID: JB46Y  
 LIMS ID: 06-2940  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 19:59

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	280
129-00-0	Pyrene	59	760
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	150
117-81-7	bis (2-Ethylhexyl) phthalate	59	910
218-01-9	Chrysene	59	280
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	350
207-08-9	Benzo (k) fluoranthene	59	260
50-32-8	Benzo (a) pyrene	59	230
193-39-5	Indeno (1,2,3-cd) pyrene	59	71
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	63
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	56.8%	2-Fluorobiphenyl	55.0%
d14-p-Terphenyl	50.2%	d4-1,2-Dichlorobenzene	48.1%
d5-Phenol	58.4%	2-Fluorophenol	54.2%
2,4,6-Tribromophenol	57.0%	d4-2-Chlorophenol	56.2%

**ORGANICS ANALYSIS DATA SHEET**  
 PSDDA Semivolatiles by SW8270D GC/MS  
 Page 1 of 2

Sample ID: LDW-SC27-2-4.5  
 SAMPLE

Lab Sample ID: JB46Z  
 LIMS ID: 06-2941  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/20/06

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/14/06  
 Date Received: 02/14/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/13/06 20:33  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 51.0 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 39.8%  
 pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	18 J
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	12 J
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	60
120-12-7	Anthracene	20	34

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC27-2-4.5  
**SAMPLE**

Lab Sample ID: JB46Z  
 LIMS ID: 06-2941  
 Matrix: Sediment  
 Date Analyzed: 03/13/06 20:33

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	26 B
206-44-0	Fluoranthene	20	84
129-00-0	Pyrene	20	210
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	54
117-81-7	bis (2-Ethylhexyl) phthalate	20	55
218-01-9	Chrysene	20	120
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	110
207-08-9	Benzo (k) fluoranthene	20	82
50-32-8	Benzo (a) pyrene	20	83
193-39-5	Indeno (1,2,3-cd) pyrene	20	24
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	24
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	54.8%	2-Fluorobiphenyl	54.4%
d14-p-Terphenyl	53.6%	d4-1,2-Dichlorobenzene	47.6%
d5-Phenol	56.8%	2-Fluorophenol	53.6%
2,4,6-Tribromophenol	58.7%	d4-2-Chlorophenol	56.3%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC28-0-1  
SAMPLE

Lab Sample ID: JC48A  
LIMS ID: 06-3863  
Matrix: Sediment  
Data Release Authorized:  
Reported: 04/18/06

QC Report No: JC48-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/25/06  
Date Received: 02/27/06

Date Extracted: 03/14/06  
Date Analyzed: 04/01/06 00:26  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 3.00  
Percent Moisture: 49.3%  
pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	210
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	40 J
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	300
120-12-7	Anthracene	60	100

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC28-0-1  
SAMPLE

Lab Sample ID: JC48A  
LIMS ID: 06-3863  
Matrix: Sediment  
Date Analyzed: 04/01/06 00:26

QC Report No: JC48-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	950
129-00-0	Pyrene	60	960
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	320
117-81-7	bis (2-Ethylhexyl)phthalate	60	510 B
218-01-9	Chrysene	60	690
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	470
207-08-9	Benzo (k) fluoranthene	60	340
50-32-8	Benzo (a) pyrene	60	270
193-39-5	Indeno (1,2,3-cd) pyrene	60	130
53-70-3	Dibenz (a,h) anthracene	60	34 J
191-24-2	Benzo (g,h,i) perylene	60	120
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	53.2%	2-Fluorobiphenyl	58.8%
d14-p-Terphenyl	56.2%	d4-1,2-Dichlorobenzene	50.4%
d5-Phenol	56.2%	2-Fluorophenol	51.2%
2,4,6-Tribromophenol	60.0%	d4-2-Chlorophenol	56.8%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC28-1-2  
SAMPLE

Lab Sample ID: JC48B  
LIMS ID: 06-3864  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/31/06

QC Report No: JC48-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/25/06  
Date Received: 02/27/06

Date Extracted: 03/14/06  
Date Analyzed: 03/28/06 12:53  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 3.00  
Percent Moisture: 48.1%  
pH: 6.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	150
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	120
120-12-7	Anthracene	60	48 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC28-1-2  
 SAMPLE

Lab Sample ID: JC48B  
 LIMS ID: 06-3864  
 Matrix: Sediment  
 Date Analyzed: 03/28/06 12:53

QC Report No: JC48-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	130
129-00-0	Pyrene	60	360
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	160
117-81-7	bis (2-Ethylhexyl) phthalate	60	310 B
218-01-9	Chrysene	60	250
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	250
207-08-9	Benzo (k) fluoranthene	60	150
50-32-8	Benzo (a) pyrene	60	150
193-39-5	Indeno (1,2,3-cd) pyrene	60	89
53-70-3	Dibenz (a,h) anthracene	60	42 J
191-24-2	Benzo (g,h,i) perylene	60	83
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	48.2%	2-Fluorobiphenyl	55.2%
d14-p-Terphenyl	45.1%	d4-1,2-Dichlorobenzene	46.8%
d5-Phenol	52.2%	2-Fluorophenol	42.9%
2,4,6-Tribromophenol	50.1%	d4-2-Chlorophenol	52.7%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC28-2-4

SAMPLE

Lab Sample ID: JC48C

LIMS ID: 06-3865

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/31/06

QC Report No: JC48-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/25/06

Date Received: 02/27/06

Date Extracted: 03/14/06

Date Analyzed: 03/28/06 14:32

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 3.00

Percent Moisture: 50.2%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	110
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	120
120-12-7	Anthracene	60	47 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC28-2-4  
**SAMPLE**

Lab Sample ID: JC48C  
 LIMS ID: 06-3865  
 Matrix: Sediment  
 Date Analyzed: 03/28/06 14:32

QC Report No: JC48-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	120
129-00-0	Pyrene	60	410
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	140
117-81-7	bis (2-Ethylhexyl)phthalate	60	280 B
218-01-9	Chrysene	60	270
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	250
207-08-9	Benzo (k) fluoranthene	60	210
50-32-8	Benzo (a) pyrene	60	170
193-39-5	Indeno (1, 2, 3-cd) pyrene	60	85
53-70-3	Dibenz (a, h) anthracene	60	38 J
191-24-2	Benzo (g, h, i) perylene	60	74
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	45.0%	2-Fluorobiphenyl	50.8%
d14-p-Terphenyl	39.6%	d4-1,2-Dichlorobenzene	40.3%
d5-Phenol	47.1%	2-Fluorophenol	38.2%
2,4,6-Tribromophenol	48.0%	d4-2-Chlorophenol	47.5%

## ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC28-5.5-7.5

SAMPLE

Lab Sample ID: JH57E

LIMS ID: 06-7246

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/25/06

Date Received: 02/27/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 15:28

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.5 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 37.2%

pH: 8.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	< 66 U
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
<b>106-44-5</b>	<b>4-Methylphenol</b>	<b>66</b>	<b>37 J</b>
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
<b>65-85-0</b>	<b>Benzoic Acid</b>	<b>590</b>	<b>320 J</b>
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>66</b>	<b>45 J</b>
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	66	< 66 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	66	< 66 U
208-96-8	Acenaphthylene	66	< 66 U
99-09-2	3-Nitroaniline	330	< 330 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>66</b>	<b>220</b>
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>66</b>	<b>80</b>
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>66</b>	<b>160</b>
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>66</b>	<b>1,700</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC28-5.5-7.5

SAMPLE

Lab Sample ID: JH57E

LIMS ID: 06-7246

Matrix: Sediment

Date Analyzed: 05/16/06 15:28

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	450
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	Fluoranthene	66	4,100
129-00-0	Pyrene	66	3,600
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	66	1,300
117-81-7	bis (2-Ethylhexyl) phthalate	66	1,000
218-01-9	Chrysene	66	1,400
117-84-0	Di-n-Octyl phthalate	66	56 J
205-99-2	Benzo (b) fluoranthene	66	1,000
207-08-9	Benzo (k) fluoranthene	66	830
50-32-8	Benzo (a) pyrene	66	950
193-39-5	Indeno (1,2,3-cd) pyrene	66	400
191-24-2	Benzo (g,h,i) perylene	66	440
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	< 66 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	78.4%	2-Fluorobiphenyl	79.2%
d14-p-Terphenyl	76.8%	d4-1,2-Dichlorobenzene	66.0%
d5-Phenol	78.4%	2-Fluorophenol	77.1%
2,4,6-Tribromophenol	76.5%	d4-2-Chlorophenol	75.5%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC28-12-12.6

SAMPLE

Lab Sample ID: JO76N

LIMS ID: 06-11862

Matrix: Sediment

Data Release Authorized:

Reported: 07/28/06

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/25/06

Date Received: 02/27/06

Date Extracted: 07/22/06

Date Analyzed: 07/26/06 13:33

Instrument/Analyst: NT6/LJR

GPC Cleanup: Yes

Sample Amount: 32.6 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 35.1%

pH: 8.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	< 61 U
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	<b>Naphthalene</b>	<b>61</b>	<b>80</b>
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	61	< 61 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	Acenaphthylene	61	< 61 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	<b>Acenaphthene</b>	<b>61</b>	<b>32 J</b>
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	61	< 61 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
86-73-7	Fluorene	61	< 61 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
85-01-8	<b>Phenanthrene</b>	<b>61</b>	<b>92</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC28-12-12.6

SAMPLE

Lab Sample ID: JO76N

LIMS ID: 06-11862

Matrix: Sediment

Date Analyzed: 07/26/06 13:33

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	61	32 J
84-74-2	Di-n-Butylphthalate	61	31 J
206-44-0	Fluoranthene	61	310
129-00-0	Pyrene	61	300
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	61	110
117-81-7	bis (2-Ethylhexyl) phthalate	61	96
218-01-9	Chrysene	61	110
117-84-0	Di-n-Octyl phthalate	61	< 61 U
205-99-2	Benzo (b) fluoranthene	61	98
207-08-9	Benzo (k) fluoranthene	61	140
50-32-8	Benzo (a) pyrene	61	120
193-39-5	Indeno (1,2,3-cd) pyrene	61	69
191-24-2	Benzo (g,h,i) perylene	61	61 J
62-53-3	Aniline	61	< 61 U
90-12-0	1-Methylnaphthalene	61	< 61 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	62.8%	2-Fluorobiphenyl	63.6%
d14-p-Terphenyl	59.6%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	67.5%	2-Fluorophenol	65.1%
2,4,6-Tribromophenol	72.8%	d4-2-Chlorophenol	63.5%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC29-0-1  
SAMPLE

Lab Sample ID: JC95G  
LIMS ID: 06-4146  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/21/06  
Date Received: 02/21/06

Date Extracted: 03/07/06  
Date Analyzed: 03/27/06 17:33  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 3.00  
Percent Moisture: 26.8%  
pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	58	< 58 U
111-44-4	Bis-(2-Chloroethyl) Ether	58	< 58 U
95-57-8	2-Chlorophenol	58	< 58 U
541-73-1	1,3-Dichlorobenzene	58	< 58 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	58	< 58 U
106-44-5	4-Methylphenol	58	< 58 U
67-72-1	Hexachloroethane	58	< 58 U
98-95-3	Nitrobenzene	58	< 58 U
78-59-1	Isophorone	58	< 58 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	58	< 58 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	58	< 58 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	58	< 58 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	58	< 58 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	58	< 58 U
208-96-8	Acenaphthylene	58	< 58 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	58	< 58 U
51-28-5	2,4-Dinitrophenol	580	< 580 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	58	< 58 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	58	< 58 U
7005-72-3	4-Chlorophenyl-phenylether	58	< 58 U
86-73-7	Fluorene	58	< 58 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	580	< 580 U
101-55-3	4-Bromophenyl-phenylether	58	< 58 U
85-01-8	Phenanthrene	58	< 58 U
120-12-7	Anthracene	58	< 58 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC29-0-1  
SAMPLE

Lab Sample ID: JC95G  
LIMS ID: 06-4146  
Matrix: Sediment  
Date Analyzed: 03/27/06 17:33

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	58	62
206-44-0	Fluoranthene	58	42 J
129-00-0	Pyrene	58	92
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo(a)anthracene	58	32 J
117-81-7	bis(2-Ethylhexyl)phthalate	58	40 J
218-01-9	Chrysene	58	42 J
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo(b)fluoranthene	58	58 J
207-08-9	Benzo(k)fluoranthene	58	43 J
50-32-8	Benzo(a)pyrene	58	32 J
193-39-5	Indeno(1,2,3-cd)pyrene	58	< 58 U
53-70-3	Dibenz(a,h)anthracene	58	< 58 U
191-24-2	Benzo(g,h,i)perylene	58	< 58 U
62-53-3	Aniline	58	< 58 U
90-12-0	1-Methylnaphthalene	58	< 58 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	47.3%	2-Fluorobiphenyl	53.3%
d14-p-Terphenyl	52.4%	d4-1,2-Dichlorobenzene	46.1%
d5-Phenol	48.3%	2-Fluorophenol	42.3%
2,4,6-Tribromophenol	55.8%	d4-2-Chlorophenol	48.9%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC29-1-2

SAMPLE

Lab Sample ID: JC95H

LIMS ID: 06-4147

Matrix: Sediment

Data Release Authorized: *MA*

Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Date Extracted: 03/07/06

Date Analyzed: 03/27/06 18:06

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 22.3%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>20</b>	<b>11 J</b>
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>82</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>20</b>	<b>26</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC29-1-2  
SAMPLE

Lab Sample ID: JC95H  
LIMS ID: 06-4147  
Matrix: Sediment  
Date Analyzed: 03/27/06 18:06

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	28
206-44-0	Fluoranthene	20	200
129-00-0	Pyrene	20	310
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	110
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	130
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	100
207-08-9	Benzo (k) fluoranthene	20	130
50-32-8	Benzo (a) pyrene	20	110
193-39-5	Indeno (1,2,3-cd) pyrene	20	29
53-70-3	Dibenz (a,h) anthracene	20	11 J
191-24-2	Benzo (g,h,i) perylene	20	26
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	50.8%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	64.4%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	51.7%	2-Fluorophenol	44.5%
2,4,6-Tribromophenol	69.9%	d4-2-Chlorophenol	53.9%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC29-2-3.6  
SAMPLE

Lab Sample ID: JC95I  
LIMS ID: 06-4148  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/21/06  
Date Received: 02/21/06

Date Extracted: 03/07/06  
Date Analyzed: 03/27/06 18:40  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.7 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 1.00  
Percent Moisture: 19.8%  
pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	97	< 97 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	97	< 97 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	97	< 97 U
88-06-2	2,4,6-Trichlorophenol	97	< 97 U
95-95-4	2,4,5-Trichlorophenol	97	< 97 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	97	< 97 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	97	< 97 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	97	< 97 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	97	< 97 U
121-14-2	2,4-Dinitrotoluene	97	< 97 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	97	< 97 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

Sample ID: LDW-SC29-2-3.6  
 SAMPLE

Lab Sample ID: JC95I  
 LIMS ID: 06-4148  
 Matrix: Sediment  
 Date Analyzed: 03/27/06 18:40

QC Report No: JC95-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	22
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	9.9 J
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	57.6%	2-Fluorobiphenyl	64.0%
d14-p-Terphenyl	115%	d4-1,2-Dichlorobenzene	56.0%
d5-Phenol	58.4%	2-Fluorophenol	50.4%
2,4,6-Tribromophenol	76.3%	d4-2-Chlorophenol	61.3%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC30-0-2.5  
SAMPLE

Lab Sample ID: JB47J  
LIMS ID: 06-2957  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/10/06

QC Report No: JB47-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/14/06  
Date Received: 02/14/06

Date Extracted: 02/21/06  
Date Analyzed: 03/05/06 06:38  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.8 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 1.00  
Percent Moisture: 22.2%  
pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	< 19 U
111-44-4	Bis-(2-Chloroethyl) Ether	19	< 19 U
95-57-8	2-Chlorophenol	19	< 19 U
541-73-1	1,3-Dichlorobenzene	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
67-72-1	Hexachloroethane	19	< 19 U
98-95-3	Nitrobenzene	19	< 19 U
78-59-1	Isophorone	19	< 19 U
88-75-5	2-Nitrophenol	97	< 97 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	97	< 97 U
91-57-6	2-Methylnaphthalene	19	< 19 U
77-47-4	Hexachlorocyclopentadiene	97	< 97 U
88-06-2	2,4,6-Trichlorophenol	97	< 97 U
95-95-4	2,4,5-Trichlorophenol	97	< 97 U
91-58-7	2-Chloronaphthalene	19	< 19 U
88-74-4	2-Nitroaniline	97	< 97 U
131-11-3	Dimethylphthalate	19	< 19 U
208-96-8	Acenaphthylene	19	< 19 U
99-09-2	3-Nitroaniline	97	< 97 U
83-32-9	Acenaphthene	19	< 19 U
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	97	< 97 U
132-64-9	Dibenzofuran	19	< 19 U
606-20-2	2,6-Dinitrotoluene	97	< 97 U
121-14-2	2,4-Dinitrotoluene	97	< 97 U
84-66-2	Diethylphthalate	19	< 19 U
7005-72-3	4-Chlorophenyl-phenylether	19	< 19 U
86-73-7	Fluorene	19	< 19 U
100-01-6	4-Nitroaniline	97	< 97 U
534-52-1	4,6-Dinitro-2-Methylphenol	190	< 190 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
85-01-8	Phenanthrene	19	15 J
120-12-7	Anthracene	19	< 19 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

**Sample ID: LDW-SC30-0-2.5**  
**SAMPLE**

Lab Sample ID: JB47J  
 LIMS ID: 06-2957  
 Matrix: Sediment  
 Date Analyzed: 03/05/06 06:38

QC Report No: JB47-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	19	47
206-44-0	Fluoranthene	19	42
129-00-0	Pyrene	19	26
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	17 J
117-81-7	bis (2-Ethylhexyl) phthalate	19	30
218-01-9	Chrysene	19	25
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	32
207-08-9	Benzo (k) fluoranthene	19	23
50-32-8	Benzo (a) pyrene	19	18 J
193-39-5	Indeno (1,2,3-cd) pyrene	19	< 19 U
53-70-3	Dibenz (a,h) anthracene	19	< 19 U
191-24-2	Benzo (g,h,i) perylene	19	< 19 U
62-53-3	Aniline	19	< 19 U
90-12-0	1-Methylnaphthalene	19	< 19 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	65.2%	2-Fluorobiphenyl	67.2%
d14-p-Terphenyl	58.0%	d4-1,2-Dichlorobenzene	58.0%
d5-Phenol	67.7%	2-Fluorophenol	67.7%
2,4,6-Tribromophenol	71.7%	d4-2-Chlorophenol	68.3%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC30-2.5-4**  
**SAMPLE**

Lab Sample ID: JB47K  
 LIMS ID: 06-2958  
 Matrix: Sediment  
 Data Release Authorized: *[Signature]*  
 Reported: 03/10/06

QC Report No: JB47-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/14/06  
 Date Received: 02/14/06

Date Extracted: 02/21/06  
 Date Analyzed: 03/05/06 07:12  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.7 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 26.7%  
 pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	< 19 U
111-44-4	Bis-(2-Chloroethyl) Ether	19	< 19 U
95-57-8	2-Chlorophenol	19	< 19 U
541-73-1	1,3-Dichlorobenzene	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
67-72-1	Hexachloroethane	19	< 19 U
98-95-3	Nitrobenzene	19	< 19 U
78-59-1	Isophorone	19	< 19 U
88-75-5	2-Nitrophenol	97	< 97 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	97	< 97 U
91-57-6	2-Methylnaphthalene	19	< 19 U
77-47-4	Hexachlorocyclopentadiene	97	< 97 U
88-06-2	2,4,6-Trichlorophenol	97	< 97 U
95-95-4	2,4,5-Trichlorophenol	97	< 97 U
91-58-7	2-Chloronaphthalene	19	< 19 U
88-74-4	2-Nitroaniline	97	< 97 U
131-11-3	Dimethylphthalate	19	< 19 U
208-96-8	Acenaphthylene	19	< 19 U
99-09-2	3-Nitroaniline	97	< 97 U
83-32-9	Acenaphthene	19	< 19 U
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	97	< 97 U
132-64-9	Dibenzofuran	19	< 19 U
606-20-2	2,6-Dinitrotoluene	97	< 97 U
121-14-2	2,4-Dinitrotoluene	97	< 97 U
84-66-2	Diethylphthalate	19	< 19 U
7005-72-3	4-Chlorophenyl-phenylether	19	< 19 U
86-73-7	Fluorene	19	< 19 U
100-01-6	4-Nitroaniline	97	< 97 U
534-52-1	4,6-Dinitro-2-Methylphenol	190	< 190 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
85-01-8	Phenanthrene	19	< 19 U
120-12-7	Anthracene	19	< 19 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC30-2.5-4  
**SAMPLE**

Lab Sample ID: JB47K  
 LIMS ID: 06-2958  
 Matrix: Sediment  
 Date Analyzed: 03/05/06 07:12

QC Report No: JB47-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	< 19 U
129-00-0	Pyrene	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo(a)anthracene	19	< 19 U
117-81-7	bis(2-Ethylhexyl)phthalate	19	< 19 U
218-01-9	Chrysene	19	< 19 U
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo(b)fluoranthene	19	< 19 U
207-08-9	Benzo(k)fluoranthene	19	< 19 U
50-32-8	Benzo(a)pyrene	19	< 19 U
193-39-5	Indeno(1,2,3-cd)pyrene	19	< 19 U
53-70-3	Dibenz(a,h)anthracene	19	< 19 U
191-24-2	Benzo(g,h,i)perylene	19	< 19 U
62-53-3	Aniline	19	< 19 U
90-12-0	1-Methylnaphthalene	19	< 19 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	47.2%	2-Fluorobiphenyl	48.4%
d14-p-Terphenyl	41.2%	d4-1,2-Dichlorobenzene	42.0%
d5-Phenol	46.1%	2-Fluorophenol	47.2%
2,4,6-Tribromophenol	47.7%	d4-2-Chlorophenol	47.5%



Sample ID: LDW-SC31-0-1  
SAMPLE

Lab Sample ID: JB98M  
LIMS ID: 06-3377  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/17/06  
Date Received: 02/17/06

Date Extracted: 03/02/06  
Date Analyzed: 03/22/06 20:36  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.5 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 3.00  
Percent Moisture: 56.2%  
pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	140
120-12-7	Anthracene	59	71

Sample ID: LDW-SC31-0-1  
 SAMPLE

Lab Sample ID: JB98M  
 LIMS ID: 06-3377  
 Matrix: Sediment  
 Date Analyzed: 03/22/06 20:36

QC Report No: JB98-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	33 J
206-44-0	Fluoranthene	59	600
129-00-0	Pyrene	59	410
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	240
117-81-7	bis (2-Ethylhexyl) phthalate	59	270
218-01-9	Chrysene	59	330
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	290
207-08-9	Benzo (k) fluoranthene	59	280
50-32-8	Benzo (a) pyrene	59	220
193-39-5	Indeno (1, 2, 3-cd) pyrene	59	98
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	79
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	68.4%	2-Fluorobiphenyl	58.4%
d14-p-Terphenyl	53.3%	d4-1,2-Dichlorobenzene	50.2%
d5-Phenol	63.3%	2-Fluorophenol	52.9%
2,4,6-Tribromophenol	51.6%	d4-2-Chlorophenol	54.9%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC31-1-2.8  
SAMPLE

Lab Sample ID: JB98N  
LIMS ID: 06-3378  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/17/06  
Date Received: 02/17/06

Date Extracted: 03/02/06  
Date Analyzed: 03/22/06 21:09  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 3.00  
Percent Moisture: 49.4%  
pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	58	< 58 U
111-44-4	Bis-(2-Chloroethyl) Ether	58	< 58 U
95-57-8	2-Chlorophenol	58	< 58 U
541-73-1	1,3-Dichlorobenzene	58	< 58 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	58	< 58 U
106-44-5	4-Methylphenol	58	< 58 U
67-72-1	Hexachloroethane	58	< 58 U
98-95-3	Nitrobenzene	58	< 58 U
78-59-1	Isophorone	58	< 58 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	58	< 58 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	58	< 58 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	58	< 58 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	58	< 58 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	58	< 58 U
208-96-8	Acenaphthylene	58	< 58 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	58	< 58 U
51-28-5	2,4-Dinitrophenol	580	< 580 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	58	< 58 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	58	< 58 U
7005-72-3	4-Chlorophenyl-phenylether	58	< 58 U
86-73-7	Fluorene	58	< 58 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	580	< 580 U
101-55-3	4-Bromophenyl-phenylether	58	< 58 U
85-01-8	Phenanthrene	58	100
120-12-7	Anthracene	58	48 J

Lab Sample ID: JB98N  
 LIMS ID: 06-3378  
 Matrix: Sediment  
 Date Analyzed: 03/22/06 21:09

QC Report No: JB98-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	320
129-00-0	Pyrene	58	430
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	58	150
117-81-7	bis (2-Ethylhexyl) phthalate	58	260
218-01-9	Chrysene	58	250
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	320
207-08-9	Benzo (k) fluoranthene	58	270
50-32-8	Benzo (a) pyrene	58	200
193-39-5	Indeno (1,2,3-cd) pyrene	58	56 J
53-70-3	Dibenz (a,h) anthracene	58	< 58 U
191-24-2	Benzo (g,h,i) perylene	58	50 J
62-53-3	Aniline	58	< 58 U
90-12-0	1-Methylnaphthalene	58	< 58 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	57.7%	2-Fluorobiphenyl	52.9%
d14-p-Terphenyl	44.0%	d4-1,2-Dichlorobenzene	45.0%
d5-Phenol	57.7%	2-Fluorophenol	48.0%
2,4,6-Tribromophenol	48.1%	d4-2-Chlorophenol	50.4%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC31-2.8-4  
SAMPLE

Lab Sample ID: JB980  
LIMS ID: 06-3379  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/27/06

QC Report No: JB98-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/17/06  
Date Received: 02/17/06

Date Extracted: 03/02/06  
Date Analyzed: 03/22/06 21:43  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.7 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 1.00  
Percent Moisture: 17.5%  
pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	97	< 97 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	97	< 97 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	97	< 97 U
88-06-2	2,4,6-Trichlorophenol	97	< 97 U
95-95-4	2,4,5-Trichlorophenol	97	< 97 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	97	< 97 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	97	< 97 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	97	< 97 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	97	< 97 U
121-14-2	2,4-Dinitrotoluene	97	< 97 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	97	< 97 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC31-2.8-4

**SAMPLE**

Lab Sample ID: JB980

LIMS ID: 06-3379

Matrix: Sediment

Date Analyzed: 03/22/06 21:43

QC Report No: JB98-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	11 J
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl) phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	62.8%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	57.2%
d5-Phenol	63.5%	2-Fluorophenol	57.6%
2,4,6-Tribromophenol	54.9%	d4-2-Chlorophenol	58.7%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC32-0-1**  
**SAMPLE**

Lab Sample ID: JB31A  
 LIMS ID: 06-2825  
 Matrix: Sediment  
 Data Release Authorized: *AB*  
 Reported: 03/21/06

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/11/06  
 Date Received: 02/13/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/19/06 14:59  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.8 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 45.9%  
 pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	58	69
111-44-4	Bis-(2-Chloroethyl) Ether	58	< 58 U
95-57-8	2-Chlorophenol	58	< 58 U
541-73-1	1,3-Dichlorobenzene	58	< 58 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	58	< 58 U
106-44-5	4-Methylphenol	58	< 58 U
67-72-1	Hexachloroethane	58	< 58 U
98-95-3	Nitrobenzene	58	< 58 U
78-59-1	Isophorone	58	< 58 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	58	< 58 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	58	< 58 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	58	< 58 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	58	< 58 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	58	< 58 U
208-96-8	Acenaphthylene	58	< 58 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	58	< 58 U
51-28-5	2,4-Dinitrophenol	580	< 580 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	58	< 58 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	58	< 58 U
7005-72-3	4-Chlorophenyl-phenylether	58	< 58 U
86-73-7	Fluorene	58	< 58 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	580	< 580 U
101-55-3	4-Bromophenyl-phenylether	58	< 58 U
85-01-8	Phenanthrene	58	88
120-12-7	Anthracene	58	42 J

**ORGANICS ANALYSIS DATA SHEET**  
 PSDDA Semivolatiles by SW8270D GC/MS  
 Page 2 of 2

Sample ID: LDW-SC32-0-1  
 SAMPLE

Lab Sample ID: JB31A  
 LIMS ID: 06-2825  
 Matrix: Sediment  
 Date Analyzed: 03/19/06 14:59

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	210 B
129-00-0	Pyrene	58	420
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo(a)anthracene	58	120
117-81-7	bis(2-Ethylhexyl)phthalate	58	200
218-01-9	Chrysene	58	170
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo(b)fluoranthene	58	270
207-08-9	Benzo(k)fluoranthene	58	180
50-32-8	Benzo(a)pyrene	58	160
193-39-5	Indeno(1,2,3-cd)pyrene	58	36 J
53-70-3	Dibenz(a,h)anthracene	58	< 58 U
191-24-2	Benzo(g,h,i)perylene	58	< 58 U
62-53-3	Aniline	58	< 58 U
90-12-0	1-Methylnaphthalene	58	< 58 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	69.8%	2-Fluorobiphenyl	64.1%
d14-p-Terphenyl	52.8%	d4-1,2-Dichlorobenzene	54.4%
d5-Phenol	68.6%	2-Fluorophenol	62.5%
2,4,6-Tribromophenol	63.0%	d4-2-Chlorophenol	61.8%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC32-1-2  
**SAMPLE**

Lab Sample ID: JB31B  
 LIMS ID: 06-2826  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/21/06

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/11/06  
 Date Received: 02/13/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/19/06 15:33  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 63.3%  
 pH: 8.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>59</b>	<b>140</b>
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>59</b>	<b>86</b>
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>59</b>	<b>1,400</b>
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>59</b>	<b>1,200</b>
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>59</b>	<b>1,900</b>
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>59</b>	<b>3,700</b>
120-12-7	Anthracene	59	360

Sample ID: LDW-SC32-1-2  
 SAMPLE

Lab Sample ID: JB31B  
 LIMS ID: 06-2826  
 Matrix: Sediment  
 Date Analyzed: 03/19/06 15:33

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	2,500 B
129-00-0	Pyrene	59	1,200
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	990
117-81-7	bis (2-Ethylhexyl) phthalate	59	650
218-01-9	Chrysene	59	890
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	850
207-08-9	Benzo (k) fluoranthene	59	510
50-32-8	Benzo (a) pyrene	59	400
193-39-5	Indeno (1,2,3-cd) pyrene	59	60
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	43 J
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	160

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	61.0%	2-Fluorobiphenyl	51.7%
d14-p-Terphenyl	39.1%	d4-1,2-Dichlorobenzene	46.8%
d5-Phenol	58.2%	2-Fluorophenol	53.0%
2,4,6-Tribromophenol	47.8%	d4-2-Chlorophenol	52.1%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC32-2-4  
**SAMPLE**

Lab Sample ID: JB31C  
 LIMS ID: 06-2827  
 Matrix: Sediment  
 Data Release Authorized: *[Signature]*  
 Reported: 03/21/06

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/11/06  
 Date Received: 02/13/06

Date Extracted: 02/24/06  
 Date Analyzed: 03/19/06 16:06  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 54.3%  
 pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>20</b>	<b>140</b>
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>20</b>	<b>88</b>
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>20</b>	<b>300</b>
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>20</b>	<b>170</b>
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>20</b>	<b>260</b>
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>460</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>20</b>	<b>84</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC32-2-4  
**SAMPLE**

Lab Sample ID: JB31C  
 LIMS ID: 06-2827  
 Matrix: Sediment  
 Date Analyzed: 03/19/06 16:06

QC Report No: JB31-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	590 B
129-00-0	Pyrene	20	370
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	150
117-81-7	bis(2-Ethylhexyl)phthalate	20	460
218-01-9	Chrysene	20	210
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	210
207-08-9	Benzo(k)fluoranthene	20	170
50-32-8	Benzo(a)pyrene	20	110
193-39-5	Indeno(1,2,3-cd)pyrene	20	22
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	20
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	87

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	66.8%	2-Fluorobiphenyl	57.2%
d14-p-Terphenyl	51.2%	d4-1,2-Dichlorobenzene	48.0%
d5-Phenol	66.7%	2-Fluorophenol	61.9%
2,4,6-Tribromophenol	61.9%	d4-2-Chlorophenol	59.7%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC32-5.2-8  
SAMPLE

Lab Sample ID: JH57X  
LIMS ID: 06-7265  
Matrix: Sediment  
Data Release Authorized:  
Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/11/06  
Date Received: 02/13/06

Date Extracted: 05/10/06  
Date Analyzed: 05/17/06 10:50  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 30.2 g-dry-wt  
Final Extract Volume: 2.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 24.9%  
pH: 8.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	< 66 U
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
106-44-5	4-Methylphenol	66	< 66 U
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	600	< 600 U
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	66	< 66 U
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	66	< 66 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	66	< 66 U
208-96-8	Acenaphthylene	66	< 66 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	66	< 66 U
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	66	< 66 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
86-73-7	Fluorene	66	< 66 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
85-01-8	Phenanthrene	66	< 66 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC32-5.2-8

SAMPLE

Lab Sample ID: JH57X

LIMS ID: 06-7265

Matrix: Sediment

Date Analyzed: 05/17/06 10:50

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	< 66 U
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	Fluoranthene	66	< 66 U
129-00-0	Pyrene	66	< 66 U
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo(a)anthracene	66	< 66 U
117-81-7	bis(2-Ethylhexyl)phthalate	66	< 66 U
218-01-9	Chrysene	66	< 66 U
117-84-0	Di-n-Octyl phthalate	66	< 66 U
205-99-2	Benzo(b)fluoranthene	66	< 66 U
207-08-9	Benzo(k)fluoranthene	66	< 66 U
50-32-8	Benzo(a)pyrene	66	< 66 U
193-39-5	Indeno(1,2,3-cd)pyrene	66	< 66 U
191-24-2	Benzo(g,h,i)perylene	66	< 66 U
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	< 66 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	68.8%	2-Fluorobiphenyl	70.0%
d14-p-Terphenyl	105%	d4-1,2-Dichlorobenzene	66.4%
d5-Phenol	75.5%	2-Fluorophenol	75.2%
2,4,6-Tribromophenol	72.0%	d4-2-Chlorophenol	72.3%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC33-0-2

SAMPLE

Lab Sample ID: JB22A

LIMS ID: 06-2641

Matrix: Sediment

Data Release Authorized:

Reported: 03/15/06

QC Report No: JB22-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Date Extracted: 02/21/06

Date Analyzed: 03/07/06 12:19

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 5.00

Percent Moisture: 43.5%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	< 99 U
111-44-4	Bis-(2-Chloroethyl) Ether	99	< 99 U
95-57-8	2-Chlorophenol	99	< 99 U
541-73-1	1,3-Dichlorobenzene	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
67-72-1	Hexachloroethane	99	< 99 U
98-95-3	Nitrobenzene	99	< 99 U
78-59-1	Isophorone	99	< 99 U
88-75-5	2-Nitrophenol	490	< 490 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	490	< 490 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	99	< 99 U
77-47-4	Hexachlorocyclopentadiene	490	< 490 U
88-06-2	2,4,6-Trichlorophenol	490	< 490 U
95-95-4	2,4,5-Trichlorophenol	490	< 490 U
91-58-7	2-Chloronaphthalene	99	< 99 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	99	< 99 U
208-96-8	Acenaphthylene	99	< 99 U
99-09-2	3-Nitroaniline	490	< 490 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>99</b>	<b>200</b>
51-28-5	2,4-Dinitrophenol	990	< 990 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	99	< 99 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	99	< 99 U
7005-72-3	4-Chlorophenyl-phenylether	99	< 99 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>99</b>	<b>170</b>
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	990	< 990 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>99</b>	<b>640</b>
120-12-7	Anthracene	99	210

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC33-0-2  
SAMPLE

Lab Sample ID: JB22A  
LIMS ID: 06-2641  
Matrix: Sediment  
Date Analyzed: 03/07/06 12:19

QC Report No: JB22-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	1,500
129-00-0	Pyrene	99	1,100
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	99	260
117-81-7	bis (2-Ethylhexyl)phthalate	99	400
218-01-9	Chrysene	99	490
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo (b) fluoranthene	99	360
207-08-9	Benzo (k) fluoranthene	99	240
50-32-8	Benzo (a) pyrene	99	230
193-39-5	Indeno (1,2,3-cd) pyrene	99	57 J
53-70-3	Dibenz (a,h) anthracene	99	< 99 U
191-24-2	Benzo (g,h,i) perylene	99	54 J
62-53-3	Aniline	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	33.8%	2-Fluorobiphenyl	41.8%
d14-p-Terphenyl	42.8%	d4-1,2-Dichlorobenzene	33.8%
d5-Phenol	34.0%	2-Fluorophenol	34.3%
2,4,6-Tribromophenol	43.3%	d4-2-Chlorophenol	35.9%



ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC33-2-4  
SAMPLE

Lab Sample ID: JB22B  
LIMS ID: 06-2642  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/15/06

QC Report No: JB22-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/11/06  
Date Received: 02/11/06

Date Extracted: 02/21/06  
Date Analyzed: 03/07/06 12:53  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 38.3%  
pH: 7.9

CAS Number	Analyte	RL	Result
108-95-2	<b>Phenol</b>	20	31 B
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	<b>Naphthalene</b>	20	17 J
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	<b>Acenaphthene</b>	20	66
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	<b>Dibenzofuran</b>	20	25
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	<b>Fluorene</b>	20	65
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	<b>Phenanthrene</b>	20	170
120-12-7	<b>Anthracene</b>	20	110

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC33-2-4  
SAMPLE

Lab Sample ID: JB22B  
LIMS ID: 06-2642  
Matrix: Sediment  
Date Analyzed: 03/07/06 12:53

QC Report No: JB22-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	23 B
206-44-0	Fluoranthene	20	850
129-00-0	Pyrene	20	470
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	150
117-81-7	bis (2-Ethylhexyl) phthalate	20	130
218-01-9	Chrysene	20	170
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	120
207-08-9	Benzo (k) fluoranthene	20	86
50-32-8	Benzo (a) pyrene	20	79
193-39-5	Indeno (1,2,3-cd) pyrene	20	16 J
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	14 J
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	34.4%	2-Fluorobiphenyl	40.8%
d14-p-Terphenyl	35.0%	d4-1,2-Dichlorobenzene	34.8%
d5-Phenol	38.1%	2-Fluorophenol	36.5%
2,4,6-Tribromophenol	48.3%	d4-2-Chlorophenol	40.8%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC33-4-6

SAMPLE

Lab Sample ID: JH57H

LIMS ID: 06-7249

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 16:03

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.6 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 39.0%

pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	65	< 65 U
111-44-4	Bis-(2-Chloroethyl) Ether	65	< 65 U
95-57-8	2-Chlorophenol	65	< 65 U
541-73-1	1,3-Dichlorobenzene	65	< 65 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	65	< 65 U
106-44-5	4-Methylphenol	65	< 65 U
67-72-1	Hexachloroethane	65	< 65 U
98-95-3	Nitrobenzene	65	< 65 U
78-59-1	Isophorone	65	< 65 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	65	< 65 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>65</b>	<b>410</b>
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>65</b>	<b>63 J</b>
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	65	< 65 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	65	< 65 U
208-96-8	Acenaphthylene	65	< 65 U
99-09-2	3-Nitroaniline	330	< 330 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>65</b>	<b>1,000</b>
51-28-5	2,4-Dinitrophenol	650	< 650 U
100-02-7	4-Nitrophenol	330	< 330 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>65</b>	<b>380</b>
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	65	< 65 U
7005-72-3	4-Chlorophenyl-phenylether	65	< 65 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>65</b>	<b>630</b>
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	650	< 650 U
101-55-3	4-Bromophenyl-phenylether	65	< 65 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>65</b>	<b>1,400</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC33-4-6  
SAMPLE

Lab Sample ID: JH57H  
LIMS ID: 06-7249  
Matrix: Sediment  
Date Analyzed: 05/16/06 16:03

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	65	420
84-74-2	Di-n-Butylphthalate	65	< 65 U
206-44-0	Fluoranthene	65	3,200
129-00-0	Pyrene	65	2,600
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	65	610
117-81-7	bis (2-Ethylhexyl) phthalate	65	56 J
218-01-9	Chrysene	65	560
117-84-0	Di-n-Octyl phthalate	65	< 65 U
205-99-2	Benzo (b) fluoranthene	65	380
207-08-9	Benzo (k) fluoranthene	65	250
50-32-8	Benzo (a) pyrene	65	270
193-39-5	Indeno (1,2,3-cd) pyrene	65	84
191-24-2	Benzo (g,h,i) perylene	65	110
62-53-3	Aniline	65	< 65 U
90-12-0	1-Methylnaphthalene	65	76

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	72.4%	2-Fluorobiphenyl	72.0%
d14-p-Terphenyl	74.4%	d4-1,2-Dichlorobenzene	60.0%
d5-Phenol	72.8%	2-Fluorophenol	70.9%
2,4,6-Tribromophenol	74.9%	d4-2-Chlorophenol	69.3%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC33-8-10

SAMPLE

Lab Sample ID: JO760

LIMS ID: 06-11863

Matrix: Sediment

Data Release Authorized: 

Reported: 07/28/06

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Date Extracted: 07/22/06

Date Analyzed: 07/26/06 14:04

Instrument/Analyst: NT6/LJR

GPC Cleanup: Yes

Sample Amount: 32.6 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 35.1%

pH: 8.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	< 61 U
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	61	< 61 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	61	< 61 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	Acenaphthylene	61	< 61 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	61	< 61 U
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	61	< 61 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>61</b>	<b>38 J</b>
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>61</b>	<b>150</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC33-8-10  
SAMPLE

Lab Sample ID: JO760  
LIMS ID: 06-11863  
Matrix: Sediment  
Date Analyzed: 07/26/06 14:04

QC Report No: JO76-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	61	48 J
84-74-2	Di-n-Butylphthalate	61	< 61 U
206-44-0	Fluoranthene	61	350
129-00-0	Pyrene	61	210
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	61	95
117-81-7	bis (2-Ethylhexyl) phthalate	61	< 61 U
218-01-9	Chrysene	61	120
117-84-0	Di-n-Octyl phthalate	61	< 61 U
205-99-2	Benzo (b) fluoranthene	61	56 J
207-08-9	Benzo (k) fluoranthene	61	90
50-32-8	Benzo (a) pyrene	61	82
193-39-5	Indeno (1,2,3-cd) pyrene	61	48 J
191-24-2	Benzo (g, h, i) perylene	61	50 J
62-53-3	Aniline	61	< 61 U
90-12-0	1-Methylnaphthalene	61	< 61 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	61.2%	2-Fluorobiphenyl	61.2%
d14-p-Terphenyl	54.8%	d4-1,2-Dichlorobenzene	54.0%
d5-Phenol	63.2%	2-Fluorophenol	61.6%
2,4,6-Tribromophenol	69.6%	d4-2-Chlorophenol	60.0%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC201-0-1.5  
SAMPLE

Lab Sample ID: JB22S  
LIMS ID: 06-2659  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/15/06

QC Report No: JB22-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/11/06  
Date Received: 02/11/06

Date Extracted: 02/21/06  
Date Analyzed: 03/07/06 13:27  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 42.3%  
pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	27 B
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	12 J
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	12 J
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	17 J
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	120
120-12-7	Anthracene	20	47

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC201-0-1.5  
SAMPLE

Lab Sample ID: JB22S  
LIMS ID: 06-2659  
Matrix: Sediment  
Date Analyzed: 03/07/06 13:27

QC Report No: JB22-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	40 B
206-44-0	Fluoranthene	20	320
129-00-0	Pyrene	20	500
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	140
117-81-7	bis (2-Ethylhexyl)phthalate	20	380
218-01-9	Chrysene	20	210
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	310
207-08-9	Benzo (k) fluoranthene	20	260
50-32-8	Benzo (a) pyrene	20	200
193-39-5	Indeno (1,2,3-cd) pyrene	20	51
53-70-3	Dibenz (a,h) anthracene	20	14 J
191-24-2	Benzo (g,h,i) perylene	20	42
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	40.0%	2-Fluorobiphenyl	46.4%
d14-p-Terphenyl	45.2%	d4-1,2-Dichlorobenzene	39.6%
d5-Phenol	43.7%	2-Fluorophenol	42.1%
2,4,6-Tribromophenol	54.7%	d4-2-Chlorophenol	46.4%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC201-1.5-4  
**SAMPLE**

Lab Sample ID: JB22T  
 LIMS ID: 06-2660  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/15/06

QC Report No: JB22-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/11/06  
 Date Received: 02/11/06

Date Extracted: 02/21/06  
 Date Analyzed: 03/07/06 14:01  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 40.4%  
 pH: 8.2

CAS Number	Analyte	RL	Result
108-95-2	<b>Phenol</b>	20	30 B
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
91-20-3	<b>Naphthalene</b>	20	27
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	<b>Acenaphthene</b>	20	21
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	<b>Fluorene</b>	20	17 J
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	<b>Phenanthrene</b>	20	54
120-12-7	<b>Anthracene</b>	20	32

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC201-1.5-4  
SAMPLE

Lab Sample ID: JB22T  
LIMS ID: 06-2660  
Matrix: Sediment  
Date Analyzed: 03/07/06 14:01

QC Report No: JB22-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	24 B
206-44-0	Fluoranthene	20	190
129-00-0	Pyrene	20	580
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	48
117-81-7	bis (2-Ethylhexyl) phthalate	20	100
218-01-9	Chrysene	20	73
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	140
207-08-9	Benzo (k) fluoranthene	20	120
50-32-8	Benzo (a) pyrene	20	90
193-39-5	Indeno (1,2,3-cd) pyrene	20	20 J
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	17 J
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	46.0%	2-Fluorobiphenyl	54.0%
d14-p-Terphenyl	51.6%	d4-1,2-Dichlorobenzene	45.6%
d5-Phenol	49.9%	2-Fluorophenol	46.9%
2,4,6-Tribromophenol	62.4%	d4-2-Chlorophenol	52.5%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC201-4-6

SAMPLE

Lab Sample ID: JH57I

LIMS ID: 06-7250

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 16:38

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.6 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 43.5%

pH: 8.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	65	< 65 U
111-44-4	Bis-(2-Chloroethyl) Ether	65	< 65 U
95-57-8	2-Chlorophenol	65	< 65 U
541-73-1	1,3-Dichlorobenzene	65	< 65 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	65	< 65 U
106-44-5	4-Methylphenol	65	< 65 U
67-72-1	Hexachloroethane	65	< 65 U
98-95-3	Nitrobenzene	65	< 65 U
78-59-1	Isophorone	65	< 65 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	65	< 65 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>65</b>	<b>380</b>
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>65</b>	<b>82</b>
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	65	< 65 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	65	< 65 U
208-96-8	Acenaphthylene	65	< 65 U
99-09-2	3-Nitroaniline	330	< 330 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>65</b>	<b>710</b>
51-28-5	2,4-Dinitrophenol	650	< 650 U
100-02-7	4-Nitrophenol	330	< 330 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>65</b>	<b>280</b>
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	65	< 65 U
7005-72-3	4-Chlorophenyl-phenylether	65	< 65 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>65</b>	<b>510</b>
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	650	< 650 U
101-55-3	4-Bromophenyl-phenylether	65	< 65 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>65</b>	<b>1,300</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC201-4-6

SAMPLE

Lab Sample ID: JH57I

LIMS ID: 06-7250

Matrix: Sediment

Date Analyzed: 05/16/06 16:38

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	65	490
84-74-2	Di-n-Butylphthalate	65	< 65 U
206-44-0	Fluoranthene	65	5,000
129-00-0	Pyrene	65	4,700
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	65	780
117-81-7	bis (2-Ethylhexyl) phthalate	65	< 65 U
218-01-9	Chrysene	65	900
117-84-0	Di-n-Octyl phthalate	65	< 65 U
205-99-2	Benzo (b) fluoranthene	65	650
207-08-9	Benzo (k) fluoranthene	65	440
50-32-8	Benzo (a) pyrene	65	500
193-39-5	Indeno (1,2,3-cd) pyrene	65	180
191-24-2	Benzo (g,h,i) perylene	65	210
62-53-3	Aniline	65	< 65 U
90-12-0	1-Methylnaphthalene	65	110

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	57.6%	2-Fluorobiphenyl	60.4%
d14-p-Terphenyl	53.6%	d4-1,2-Dichlorobenzene	47.2%
d5-Phenol	57.9%	2-Fluorophenol	56.0%
2,4,6-Tribromophenol	58.9%	d4-2-Chlorophenol	54.7%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2



Sample ID: LDW-SC201-8-10  
SAMPLE

Lab Sample ID: JO76P

LIMS ID: 06-11864

Matrix: Sediment

Data Release Authorized:

Reported: 07/28/06

QC Report No: JO76-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/11/06

Date Received: 02/11/06

Date Extracted: 07/22/06

Date Analyzed: 07/26/06 15:35

Instrument/Analyst: NT6/LJR

GPC Cleanup: Yes

Sample Amount: 32.8 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 35.1%

pH: 8.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	< 61 U
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	300	< 300 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	61	< 61 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	61	< 61 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	Acenaphthylene	61	< 61 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	61	< 61 U
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	61	< 61 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
86-73-7	Fluorene	61	< 61 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
85-01-8	Phenanthrene	61	150

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

**Sample ID: LDW-SC201-8-10**  
**SAMPLE**

Lab Sample ID: JO76P  
 LIMS ID: 06-11864  
 Matrix: Sediment  
 Date Analyzed: 07/26/06 15:35

QC Report No: JO76-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	61	40 J
84-74-2	Di-n-Butylphthalate	61	< 61 U
206-44-0	Fluoranthene	61	300
129-00-0	Pyrene	61	150
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	61	84
117-81-7	bis (2-Ethylhexyl) phthalate	61	< 61 U
218-01-9	Chrysene	61	94
117-84-0	Di-n-Octyl phthalate	61	< 61 U
205-99-2	Benzo (b) fluoranthene	61	45 J
207-08-9	Benzo (k) fluoranthene	61	72
50-32-8	Benzo (a) pyrene	61	61
193-39-5	Indeno (1,2,3-cd) pyrene	61	34 J
191-24-2	Benzo (g,h,i) perylene	61	35 J
62-53-3	Aniline	61	< 61 U
90-12-0	1-Methylnaphthalene	61	< 61 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	50.4%	2-Fluorobiphenyl	50.8%
d14-p-Terphenyl	47.2%	d4-1,2-Dichlorobenzene	43.2%
d5-Phenol	51.7%	2-Fluorophenol	49.9%
2,4,6-Tribromophenol	59.2%	d4-2-Chlorophenol	48.5%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC34-0-1

**SAMPLE**

Lab Sample ID: JB96A

LIMS ID: 06-3342

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/21/06

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Date Extracted: 03/04/06

Date Analyzed: 03/17/06 01:41

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 44.5 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 5.00

Percent Moisture: 50.6%

pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	110	< 110 U
111-44-4	Bis-(2-Chloroethyl) Ether	110	< 110 U
95-57-8	2-Chlorophenol	110	< 110 U
541-73-1	1,3-Dichlorobenzene	110	< 110 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	110	< 110 U
106-44-5	4-Methylphenol	110	< 110 U
67-72-1	Hexachloroethane	110	< 110 U
98-95-3	Nitrobenzene	110	< 110 U
78-59-1	Isophorone	110	< 110 U
88-75-5	2-Nitrophenol	560	< 560 U
111-91-1	bis(2-Chloroethoxy) Methane	110	< 110 U
120-83-2	2,4-Dichlorophenol	560	< 560 U
91-20-3	Naphthalene	110	< 110 U
106-47-8	4-Chloroaniline	560	< 560 U
59-50-7	4-Chloro-3-methylphenol	560	< 560 U
91-57-6	2-Methylnaphthalene	110	< 110 U
77-47-4	Hexachlorocyclopentadiene	560	< 560 U
88-06-2	2,4,6-Trichlorophenol	560	< 560 U
95-95-4	2,4,5-Trichlorophenol	560	< 560 U
91-58-7	2-Chloronaphthalene	110	< 110 U
88-74-4	2-Nitroaniline	560	< 560 U
131-11-3	Dimethylphthalate	110	< 110 U
208-96-8	Acenaphthylene	110	< 110 U
99-09-2	3-Nitroaniline	560	< 560 U
83-32-9	Acenaphthene	110	< 110 U
51-28-5	2,4-Dinitrophenol	1,100	< 1,100 U
100-02-7	4-Nitrophenol	560	< 560 U
132-64-9	Dibenzofuran	110	< 110 U
606-20-2	2,6-Dinitrotoluene	560	< 560 U
121-14-2	2,4-Dinitrotoluene	560	< 560 U
84-66-2	Diethylphthalate	110	< 110 U
7005-72-3	4-Chlorophenyl-phenylether	110	< 110 U
86-73-7	Fluorene	110	< 110 U
100-01-6	4-Nitroaniline	560	< 560 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,100	< 1,100 U
101-55-3	4-Bromophenyl-phenylether	110	< 110 U
85-01-8	Phenanthrene	110	280
120-12-7	Anthracene	110	84 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC34-0-1  
 SAMPLE

Lab Sample ID: JB96A  
 LIMS ID: 06-3342  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 01:41

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	110	< 110 U
206-44-0	Fluoranthene	110	810
129-00-0	Pyrene	110	540
91-94-1	3,3'-Dichlorobenzidine	560	< 560 U
56-55-3	Benzo (a) anthracene	110	260
117-81-7	bis (2-Ethylhexyl) phthalate	110	920
218-01-9	Chrysene	110	360
117-84-0	Di-n-Octyl phthalate	110	< 110 U
205-99-2	Benzo (b) fluoranthene	110	380
207-08-9	Benzo (k) fluoranthene	110	280
50-32-8	Benzo (a) pyrene	110	230
193-39-5	Indeno (1,2,3-cd) pyrene	110	75 J
53-70-3	Dibenz (a,h) anthracene	110	< 110 U
191-24-2	Benzo (g,h,i) perylene	110	63 J
62-53-3	Aniline	110	< 110 U
90-12-0	1-Methylnaphthalene	110	< 110 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	52.2%	2-Fluorobiphenyl	48.6%
d14-p-Terphenyl	41.8%	d4-1,2-Dichlorobenzene	44.6%
d5-Phenol	51.1%	2-Fluorophenol	50.0%
2,4,6-Tribromophenol	50.4%	d4-2-Chlorophenol	49.2%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC34-1-2  
**SAMPLE**

Lab Sample ID: JB96B  
 LIMS ID: 06-3343  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 04/03/06

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/18/06  
 Date Received: 02/18/06

Date Extracted: 03/04/06  
 Date Analyzed: 04/03/06 09:59  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 38.7 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 5.00  
 Percent Moisture: 50.4%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	130	< 130 U
111-44-4	Bis-(2-Chloroethyl) Ether	130	< 130 U
95-57-8	2-Chlorophenol	130	< 130 U
541-73-1	1,3-Dichlorobenzene	130	< 130 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	130	< 130 U
106-44-5	4-Methylphenol	130	< 130 U
67-72-1	Hexachloroethane	130	< 130 U
98-95-3	Nitrobenzene	130	< 130 U
78-59-1	Isophorone	130	< 130 U
88-75-5	2-Nitrophenol	650	< 650 U
111-91-1	bis(2-Chloroethoxy) Methane	130	< 130 U
120-83-2	2,4-Dichlorophenol	650	< 650 U
91-20-3	Naphthalene	130	< 130 U
106-47-8	4-Chloroaniline	650	< 650 U
59-50-7	4-Chloro-3-methylphenol	650	< 650 U
91-57-6	2-Methylnaphthalene	130	< 130 U
77-47-4	Hexachlorocyclopentadiene	650	< 650 U
88-06-2	2,4,6-Trichlorophenol	650	< 650 U
95-95-4	2,4,5-Trichlorophenol	650	< 650 U
91-58-7	2-Chloronaphthalene	130	< 130 U
88-74-4	2-Nitroaniline	650	< 650 U
131-11-3	Dimethylphthalate	130	< 130 U
208-96-8	Acenaphthylene	130	< 130 U
99-09-2	3-Nitroaniline	650	< 650 U
83-32-9	Acenaphthene	130	< 130 U
51-28-5	2,4-Dinitrophenol	1,300	< 1,300 U
100-02-7	4-Nitrophenol	650	< 650 U
132-64-9	Dibenzofuran	130	< 130 U
606-20-2	2,6-Dinitrotoluene	650	< 650 U
121-14-2	2,4-Dinitrotoluene	650	< 650 U
84-66-2	Diethylphthalate	130	< 130 U
7005-72-3	4-Chlorophenyl-phenylether	130	< 130 U
86-73-7	Fluorene	130	< 130 U
100-01-6	4-Nitroaniline	650	< 650 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,300	< 1,300 U
101-55-3	4-Bromophenyl-phenylether	130	< 130 U
85-01-8	Phenanthrene	130	340
120-12-7	Anthracene	130	160

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC34-1-2  
SAMPLE

Lab Sample ID: JB96B  
LIMS ID: 06-3343  
Matrix: Sediment  
Date Analyzed: 04/03/06 09:59

QC Report No: JB96-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	130	180 B
206-44-0	Fluoranthene	130	1,300
129-00-0	Pyrene	130	920
91-94-1	3,3'-Dichlorobenzidine	650	< 650 U
56-55-3	Benzo (a) anthracene	130	430
117-81-7	bis (2-Ethylhexyl) phthalate	130	3,900
218-01-9	Chrysene	130	720
117-84-0	Di-n-Octyl phthalate	130	220
205-99-2	Benzo (b) fluoranthene	130	530
207-08-9	Benzo (k) fluoranthene	130	470
50-32-8	Benzo (a) pyrene	130	400
193-39-5	Indeno (1,2,3-cd) pyrene	130	200
53-70-3	Dibenz (a, h) anthracene	130	< 130 U
191-24-2	Benzo (g, h, i) perylene	130	200
62-53-3	Aniline	130	< 130 U
90-12-0	1-Methylnaphthalene	130	< 130 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	58.2%	2-Fluorobiphenyl	68.6%
d14-p-Terphenyl	33.4%	d4-1,2-Dichlorobenzene	49.2%
d5-Phenol	55.7%	2-Fluorophenol	44.3%
2,4,6-Tribromophenol	54.5%	d4-2-Chlorophenol	53.7%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC34-1-2  
 DILUTION

Lab Sample ID: JB96B  
 LIMS ID: 06-3343  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 04/03/06

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/18/06  
 Date Received: 02/18/06

Date Extracted: 03/04/06  
 Date Analyzed: 04/03/06 10:55  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 38.7 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 15.0  
 Percent Moisture: 50.4%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	390	< 390 U
111-44-4	Bis-(2-Chloroethyl) Ether	390	< 390 U
95-57-8	2-Chlorophenol	390	< 390 U
541-73-1	1,3-Dichlorobenzene	390	< 390 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	390	< 390 U
106-44-5	4-Methylphenol	390	< 390 U
67-72-1	Hexachloroethane	390	< 390 U
98-95-3	Nitrobenzene	390	< 390 U
78-59-1	Isophorone	390	< 390 U
88-75-5	2-Nitrophenol	1,900	< 1,900 U
111-91-1	bis(2-Chloroethoxy) Methane	390	< 390 U
120-83-2	2,4-Dichlorophenol	1,900	< 1,900 U
91-20-3	Naphthalene	390	< 390 U
106-47-8	4-Chloroaniline	1,900	< 1,900 U
59-50-7	4-Chloro-3-methylphenol	1,900	< 1,900 U
91-57-6	2-Methylnaphthalene	390	< 390 U
77-47-4	Hexachlorocyclopentadiene	1,900	< 1,900 U
88-06-2	2,4,6-Trichlorophenol	1,900	< 1,900 U
95-95-4	2,4,5-Trichlorophenol	1,900	< 1,900 U
91-58-7	2-Chloronaphthalene	390	< 390 U
88-74-4	2-Nitroaniline	1,900	< 1,900 U
131-11-3	Dimethylphthalate	390	< 390 U
208-96-8	Acenaphthylene	390	< 390 U
99-09-2	3-Nitroaniline	1,900	< 1,900 U
83-32-9	Acenaphthene	390	< 390 U
51-28-5	2,4-Dinitrophenol	3,900	< 3,900 U
100-02-7	4-Nitrophenol	1,900	< 1,900 U
132-64-9	Dibenzofuran	390	< 390 U
606-20-2	2,6-Dinitrotoluene	1,900	< 1,900 U
121-14-2	2,4-Dinitrotoluene	1,900	< 1,900 U
84-66-2	Diethylphthalate	390	< 390 U
7005-72-3	4-Chlorophenyl-phenylether	390	< 390 U
86-73-7	Fluorene	390	< 390 U
100-01-6	4-Nitroaniline	1,900	< 1,900 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,900	< 3,900 U
101-55-3	4-Bromophenyl-phenylether	390	< 390 U
85-01-8	Phenanthrene	390	270 J
120-12-7	Anthracene	390	< 390 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC34-1-2  
 DILUTION

Lab Sample ID: JB96B  
 LIMS ID: 06-3343  
 Matrix: Sediment  
 Date Analyzed: 04/03/06 10:55

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	390	< 390 U
206-44-0	Fluoranthene	390	870
129-00-0	Pyrene	390	780
91-94-1	3,3'-Dichlorobenzidine	1,900	< 1,900 U
56-55-3	Benzo (a) anthracene	390	360 J
117-81-7	bis (2-Ethylhexyl)phthalate	390	2,800
218-01-9	Chrysene	390	570
117-84-0	Di-n-Octyl phthalate	390	< 390 U
205-99-2	Benzo (b) fluoranthene	390	380 J
207-08-9	Benzo (k) fluoranthene	390	330 J
50-32-8	Benzo (a) pyrene	390	340 J
193-39-5	Indeno (1,2,3-cd) pyrene	390	190 J
53-70-3	Dibenz (a, h) anthracene	390	< 390 U
191-24-2	Benzo (g, h, i) perylene	390	210 J
62-53-3	Aniline	390	< 390 U
90-12-0	1-Methylnaphthalene	390	< 390 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	42.0%	2-Fluorobiphenyl	51.0%
d14-p-Terphenyl	28.8%	d4-1,2-Dichlorobenzene	34.8%
d5-Phenol	40.0%	2-Fluorophenol	32.4%
2,4,6-Tribromophenol	32.4%	d4-2-Chlorophenol	39.2%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC34-2-4  
**SAMPLE**

Lab Sample ID: JB96C  
 LIMS ID: 06-3344  
 Matrix: Sediment  
 Data Release Authorized: *MB*  
 Reported: 03/21/06

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/18/06  
 Date Received: 02/18/06

Date Extracted: 03/04/06  
 Date Analyzed: 03/17/06 02:48  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 5.00  
 Percent Moisture: 39.3%  
 pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	< 99 U
111-44-4	Bis-(2-Chloroethyl) Ether	99	< 99 U
95-57-8	2-Chlorophenol	99	< 99 U
541-73-1	1,3-Dichlorobenzene	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
67-72-1	Hexachloroethane	99	< 99 U
98-95-3	Nitrobenzene	99	< 99 U
78-59-1	Isophorone	99	< 99 U
88-75-5	2-Nitrophenol	500	< 500 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	500	< 500 U
59-50-7	4-Chloro-3-methylphenol	500	< 500 U
91-57-6	2-Methylnaphthalene	99	< 99 U
77-47-4	Hexachlorocyclopentadiene	500	< 500 U
88-06-2	2,4,6-Trichlorophenol	500	< 500 U
95-95-4	2,4,5-Trichlorophenol	500	< 500 U
91-58-7	2-Chloronaphthalene	99	< 99 U
88-74-4	2-Nitroaniline	500	< 500 U
131-11-3	Dimethylphthalate	99	< 99 U
208-96-8	Acenaphthylene	99	< 99 U
99-09-2	3-Nitroaniline	500	< 500 U
83-32-9	Acenaphthene	99	< 99 U
51-28-5	2,4-Dinitrophenol	990	< 990 U
100-02-7	4-Nitrophenol	500	< 500 U
132-64-9	Dibenzofuran	99	< 99 U
606-20-2	2,6-Dinitrotoluene	500	< 500 U
121-14-2	2,4-Dinitrotoluene	500	< 500 U
84-66-2	Diethylphthalate	99	< 99 U
7005-72-3	4-Chlorophenyl-phenylether	99	< 99 U
86-73-7	Fluorene	99	< 99 U
100-01-6	4-Nitroaniline	500	< 500 U
534-52-1	4,6-Dinitro-2-Methylphenol	990	< 990 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
85-01-8	Phenanthrene	99	110
120-12-7	Anthracene	99	< 99 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC34-2-4  
SAMPLE

Lab Sample ID: JB96C  
LIMS ID: 06-3344  
Matrix: Sediment  
Date Analyzed: 03/17/06 02:48

QC Report No: JB96-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	300
129-00-0	Pyrene	99	460
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	99	130
117-81-7	bis (2-Ethylhexyl) phthalate	99	670
218-01-9	Chrysene	99	190
117-84-0	Di-n-Octyl phthalate	99	64 J
205-99-2	Benzo (b) fluoranthene	99	220
207-08-9	Benzo (k) fluoranthene	99	210
50-32-8	Benzo (a) pyrene	99	150
193-39-5	Indeno (1, 2, 3-cd) pyrene	99	52 J
53-70-3	Dibenz (a, h) anthracene	99	< 99 U
191-24-2	Benzo (g, h, i) perylene	99	< 99 U
62-53-3	Aniline	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	49.0%	2-Fluorobiphenyl	45.0%
d14-p-Terphenyl	28.8%	d4-1,2-Dichlorobenzene	40.0%
d5-Phenol	45.7%	2-Fluorophenol	44.9%
2,4,6-Tribromophenol	43.2%	d4-2-Chlorophenol	44.1%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC203-0-1  
**SAMPLE**

Lab Sample ID: JB96G  
 LIMS ID: 06-3348  
 Matrix: Sediment  
 Data Release Authorized: *[Signature]*  
 Reported: 03/21/06

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/18/06  
 Date Received: 02/18/06

Date Extracted: 03/04/06  
 Date Analyzed: 03/17/06 03:21  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 32.2 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 5.00  
 Percent Moisture: 53.4%  
 pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	160	< 160 U
111-44-4	Bis-(2-Chloroethyl) Ether	160	< 160 U
95-57-8	2-Chlorophenol	160	< 160 U
541-73-1	1,3-Dichlorobenzene	160	< 160 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	160	< 160 U
106-44-5	4-Methylphenol	160	< 160 U
67-72-1	Hexachloroethane	160	< 160 U
98-95-3	Nitrobenzene	160	< 160 U
78-59-1	Isophorone	160	< 160 U
88-75-5	2-Nitrophenol	780	< 780 U
111-91-1	bis(2-Chloroethoxy) Methane	160	< 160 U
120-83-2	2,4-Dichlorophenol	780	< 780 U
91-20-3	Naphthalene	160	< 160 U
106-47-8	4-Chloroaniline	780	< 780 U
59-50-7	4-Chloro-3-methylphenol	780	< 780 U
91-57-6	2-Methylnaphthalene	160	< 160 U
77-47-4	Hexachlorocyclopentadiene	780	< 780 U
88-06-2	2,4,6-Trichlorophenol	780	< 780 U
95-95-4	2,4,5-Trichlorophenol	780	< 780 U
91-58-7	2-Chloronaphthalene	160	< 160 U
88-74-4	2-Nitroaniline	780	< 780 U
<b>131-11-3</b>	<b>Dimethylphthalate</b>	<b>160</b>	<b>1,700</b>
208-96-8	Acenaphthylene	160	< 160 U
99-09-2	3-Nitroaniline	780	< 780 U
83-32-9	Acenaphthene	160	< 160 U
51-28-5	2,4-Dinitrophenol	1,600	< 1,600 U
100-02-7	4-Nitrophenol	780	< 780 U
132-64-9	Dibenzofuran	160	< 160 U
606-20-2	2,6-Dinitrotoluene	780	< 780 U
121-14-2	2,4-Dinitrotoluene	780	< 780 U
84-66-2	Diethylphthalate	160	< 160 U
7005-72-3	4-Chlorophenyl-phenylether	160	< 160 U
86-73-7	Fluorene	160	< 160 U
100-01-6	4-Nitroaniline	780	< 780 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,600	< 1,600 U
101-55-3	4-Bromophenyl-phenylether	160	< 160 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>160</b>	<b>180</b>
120-12-7	Anthracene	160	140 J

Sample ID: LDW-SC203-0-1  
 SAMPLE

Lab Sample ID: JB96G  
 LIMS ID: 06-3348  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 03:21

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	160	< 160 U
206-44-0	Fluoranthene	160	1,100
129-00-0	Pyrene	160	800
91-94-1	3,3'-Dichlorobenzidine	780	< 780 U
56-55-3	Benzo (a) anthracene	160	350
117-81-7	bis (2-Ethylhexyl)phthalate	160	1,800
218-01-9	Chrysene	160	530
117-84-0	Di-n-Octyl phthalate	160	< 160 U
205-99-2	Benzo (b) fluoranthene	160	540
207-08-9	Benzo (k) fluoranthene	160	400
50-32-8	Benzo (a) pyrene	160	330
193-39-5	Indeno (1,2,3-cd) pyrene	160	100 J
53-70-3	Dibenz (a,h) anthracene	160	< 160 U
191-24-2	Benzo (g,h,i) perylene	160	84 J
62-53-3	Aniline	160	< 160 U
90-12-0	1-Methylnaphthalene	160	< 160 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)


**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	52.6%	2-Fluorobiphenyl	46.2%
d14-p-Terphenyl	36.2%	d4-1,2-Dichlorobenzene	39.2%
d5-Phenol	47.6%	2-Fluorophenol	45.3%
2,4,6-Tribromophenol	47.6%	d4-2-Chlorophenol	44.4%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC203-1-2  
**SAMPLE**

Lab Sample ID: JB96H  
 LIMS ID: 06-3349  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/21/06

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/18/06  
 Date Received: 02/18/06

Date Extracted: 03/04/06  
 Date Analyzed: 03/20/06 10:46  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 27.7 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 53.0%  
 pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	110	< 110 U
111-44-4	Bis-(2-Chloroethyl) Ether	110	< 110 U
95-57-8	2-Chlorophenol	110	< 110 U
541-73-1	1,3-Dichlorobenzene	110	< 110 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	110	< 110 U
106-44-5	4-Methylphenol	110	< 110 U
67-72-1	Hexachloroethane	110	< 110 U
98-95-3	Nitrobenzene	110	< 110 U
78-59-1	Isophorone	110	< 110 U
88-75-5	2-Nitrophenol	540	< 540 U
111-91-1	bis(2-Chloroethoxy) Methane	110	< 110 U
120-83-2	2,4-Dichlorophenol	540	< 540 U
91-20-3	Naphthalene	110	< 110 U
106-47-8	4-Chloroaniline	540	< 540 U
59-50-7	4-Chloro-3-methylphenol	540	< 540 U
91-57-6	2-Methylnaphthalene	110	< 110 U
77-47-4	Hexachlorocyclopentadiene	540	< 540 U
88-06-2	2,4,6-Trichlorophenol	540	< 540 U
95-95-4	2,4,5-Trichlorophenol	540	< 540 U
91-58-7	2-Chloronaphthalene	110	< 110 U
88-74-4	2-Nitroaniline	540	< 540 U
131-11-3	Dimethylphthalate	110	< 110 U
208-96-8	Acenaphthylene	110	< 110 U
99-09-2	3-Nitroaniline	540	< 540 U
83-32-9	Acenaphthene	110	< 110 U
51-28-5	2,4-Dinitrophenol	1,100	< 1,100 U
100-02-7	4-Nitrophenol	540	< 540 U
132-64-9	Dibenzofuran	110	< 110 U
606-20-2	2,6-Dinitrotoluene	540	< 540 U
121-14-2	2,4-Dinitrotoluene	540	< 540 U
84-66-2	Diethylphthalate	110	< 110 U
7005-72-3	4-Chlorophenyl-phenylether	110	< 110 U
86-73-7	Fluorene	110	< 110 U
100-01-6	4-Nitroaniline	540	< 540 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,100	< 1,100 U
101-55-3	4-Bromophenyl-phenylether	110	< 110 U
85-01-8	Phenanthrene	110	440
120-12-7	Anthracene	110	170

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC203-1-2  
**SAMPLE**

Lab Sample ID: JB96H  
 LIMS ID: 06-3349  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 10:46

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	110	< 110 U
206-44-0	Fluoranthene	110	1,300
129-00-0	Pyrene	110	910
91-94-1	3,3'-Dichlorobenzidine	540	< 540 U
56-55-3	Benzo (a) anthracene	110	480
117-81-7	bis (2-Ethylhexyl) phthalate	110	2,600
218-01-9	Chrysene	110	680
117-84-0	Di-n-Octyl phthalate	110	< 110 U
205-99-2	Benzo (b) fluoranthene	110	640
207-08-9	Benzo (k) fluoranthene	110	550
50-32-8	Benzo (a) pyrene	110	450
193-39-5	Indeno (1, 2, 3-cd) pyrene	110	160
53-70-3	Dibenz (a, h) anthracene	110	< 110 U
191-24-2	Benzo (g, h, i) perylene	110	140
62-53-3	Aniline	110	< 110 U
90-12-0	1-Methylnaphthalene	110	< 110 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	57.4%	2-Fluorobiphenyl	49.3%
d14-p-Terphenyl	35.0%	d4-1,2-Dichlorobenzene	44.6%
d5-Phenol	56.4%	2-Fluorophenol	48.3%
2,4,6-Tribromophenol	49.0%	d4-2-Chlorophenol	50.6%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC203-2-4

**SAMPLE**

Lab Sample ID: JB96I

LIMS ID: 06-3350

Matrix: Sediment

Data Release Authorized:

Reported: 03/21/06 *JB*

QC Report No: JB96-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Date Extracted: 03/04/06

Date Analyzed: 03/20/06 11:19

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 43.3 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 3.00

Percent Moisture: 45.9%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	<b>Phenol</b>	69	62 J
111-44-4	Bis-(2-Chloroethyl) Ether	69	< 69 U
95-57-8	2-Chlorophenol	69	< 69 U
541-73-1	1,3-Dichlorobenzene	69	< 69 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	69	< 69 U
106-44-5	4-Methylphenol	69	< 69 U
67-72-1	Hexachloroethane	69	< 69 U
98-95-3	Nitrobenzene	69	< 69 U
78-59-1	Isophorone	69	< 69 U
88-75-5	2-Nitrophenol	350	< 350 U
111-91-1	bis(2-Chloroethoxy) Methane	69	< 69 U
120-83-2	2,4-Dichlorophenol	350	< 350 U
91-20-3	Naphthalene	69	< 69 U
106-47-8	4-Chloroaniline	350	< 350 U
59-50-7	4-Chloro-3-methylphenol	350	< 350 U
91-57-6	2-Methylnaphthalene	69	< 69 U
77-47-4	Hexachlorocyclopentadiene	350	< 350 U
88-06-2	2,4,6-Trichlorophenol	350	< 350 U
95-95-4	2,4,5-Trichlorophenol	350	< 350 U
91-58-7	2-Chloronaphthalene	69	< 69 U
88-74-4	2-Nitroaniline	350	< 350 U
131-11-3	<b>Dimethylphthalate</b>	69	8,400 E
208-96-8	Acenaphthylene	69	< 69 U
99-09-2	3-Nitroaniline	350	< 350 U
83-32-9	Acenaphthene	69	< 69 U
51-28-5	2,4-Dinitrophenol	690	< 690 U
100-02-7	4-Nitrophenol	350	< 350 U
132-64-9	Dibenzofuran	69	< 69 U
606-20-2	2,6-Dinitrotoluene	350	< 350 U
121-14-2	2,4-Dinitrotoluene	350	< 350 U
84-66-2	Diethylphthalate	69	< 69 U
7005-72-3	4-Chlorophenyl-phenylether	69	< 69 U
86-73-7	Fluorene	69	< 69 U
100-01-6	4-Nitroaniline	350	< 350 U
534-52-1	4,6-Dinitro-2-Methylphenol	690	< 690 U
101-55-3	4-Bromophenyl-phenylether	69	< 69 U
85-01-8	<b>Phenanthrene</b>	69	170
120-12-7	<b>Anthracene</b>	69	160

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC203-2-4  
 SAMPLE

Lab Sample ID: JB96I  
 LIMS ID: 06-3350  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 11:19

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	69	< 69 U
206-44-0	Fluoranthene	69	700
129-00-0	Pyrene	69	630
91-94-1	3,3'-Dichlorobenzidine	350	< 350 U
56-55-3	Benzo (a) anthracene	69	250
117-81-7	bis (2-Ethylhexyl)phthalate	69	590
218-01-9	Chrysene	69	370
117-84-0	Di-n-Octyl phthalate	69	< 69 U
205-99-2	Benzo (b) fluoranthene	69	280
207-08-9	Benzo (k) fluoranthene	69	260
50-32-8	Benzo (a) pyrene	69	190
193-39-5	Indeno (1, 2, 3-cd) pyrene	69	71
53-70-3	Dibenz (a, h) anthracene	69	< 69 U
191-24-2	Benzo (g, h, i) perylene	69	60 J
62-53-3	Aniline	69	< 69 U
90-12-0	1-Methylnaphthalene	69	< 69 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	53.8%	2-Fluorobiphenyl	50.3%
d14-p-Terphenyl	30.4%	d4-1,2-Dichlorobenzene	42.2%
d5-Phenol	54.8%	2-Fluorophenol	49.5%
2,4,6-Tribromophenol	48.6%	d4-2-Chlorophenol	49.4%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC203-2-4  
DILUTION

Lab Sample ID: JB96I  
LIMS ID: 06-3350  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/21/06

QC Report No: JB96-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/18/06  
Date Received: 02/18/06

Date Extracted: 03/04/06  
Date Analyzed: 03/20/06 14:42  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 43.3 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 10.0  
Percent Moisture: 45.9%  
pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	230	< 230 U
111-44-4	Bis-(2-Chloroethyl) Ether	230	< 230 U
95-57-8	2-Chlorophenol	230	< 230 U
541-73-1	1,3-Dichlorobenzene	230	< 230 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	230	< 230 U
106-44-5	4-Methylphenol	230	< 230 U
67-72-1	Hexachloroethane	230	< 230 U
98-95-3	Nitrobenzene	230	< 230 U
78-59-1	Isophorone	230	< 230 U
88-75-5	2-Nitrophenol	1,200	< 1,200 U
111-91-1	bis(2-Chloroethoxy) Methane	230	< 230 U
120-83-2	2,4-Dichlorophenol	1,200	< 1,200 U
91-20-3	Naphthalene	230	< 230 U
106-47-8	4-Chloroaniline	1,200	< 1,200 U
59-50-7	4-Chloro-3-methylphenol	1,200	< 1,200 U
91-57-6	2-Methylnaphthalene	230	< 230 U
77-47-4	Hexachlorocyclopentadiene	1,200	< 1,200 U
88-06-2	2,4,6-Trichlorophenol	1,200	< 1,200 U
95-95-4	2,4,5-Trichlorophenol	1,200	< 1,200 U
91-58-7	2-Chloronaphthalene	230	< 230 U
88-74-4	2-Nitroaniline	1,200	< 1,200 U
<b>131-11-3</b>	<b>Dimethylphthalate</b>	<b>230</b>	<b>8,800</b>
208-96-8	Acenaphthylene	230	< 230 U
99-09-2	3-Nitroaniline	1,200	< 1,200 U
83-32-9	Acenaphthene	230	< 230 U
51-28-5	2,4-Dinitrophenol	2,300	< 2,300 U
100-02-7	4-Nitrophenol	1,200	< 1,200 U
132-64-9	Dibenzofuran	230	< 230 U
606-20-2	2,6-Dinitrotoluene	1,200	< 1,200 U
121-14-2	2,4-Dinitrotoluene	1,200	< 1,200 U
84-66-2	Diethylphthalate	230	< 230 U
7005-72-3	4-Chlorophenyl-phenylether	230	< 230 U
86-73-7	Fluorene	230	< 230 U
100-01-6	4-Nitroaniline	1,200	< 1,200 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,300	< 2,300 U
101-55-3	4-Bromophenyl-phenylether	230	< 230 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>230</b>	<b>190 J</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>230</b>	<b>180 J</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC203-2-4  
 DILUTION

Lab Sample ID: JB96I  
 LIMS ID: 06-3350  
 Matrix: Sediment  
 Date Analyzed: 03/20/06 14:42

QC Report No: JB96-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	230	< 230 U
206-44-0	Fluoranthene	230	720
129-00-0	Pyrene	230	740
91-94-1	3,3'-Dichlorobenzidine	1,200	< 1,200 U
56-55-3	Benzo (a) anthracene	230	280
117-81-7	bis (2-Ethylhexyl)phthalate	230	620
218-01-9	Chrysene	230	400
117-84-0	Di-n-Octyl phthalate	230	< 230 U
205-99-2	Benzo (b) fluoranthene	230	320
207-08-9	Benzo (k) fluoranthene	230	270
50-32-8	Benzo (a) pyrene	230	200 J
193-39-5	Indeno (1,2,3-cd) pyrene	230	< 230 U
53-70-3	Dibenz (a,h) anthracene	230	< 230 U
191-24-2	Benzo (g,h,i) perylene	230	< 230 U
62-53-3	Aniline	230	< 230 U
90-12-0	1-Methylnaphthalene	230	< 230 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	57.2%	2-Fluorobiphenyl	54.4%
d14-p-Terphenyl	34.4%	d4-1,2-Dichlorobenzene	45.2%
d5-Phenol	54.9%	2-Fluorophenol	48.5%
2,4,6-Tribromophenol	49.1%	d4-2-Chlorophenol	50.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC203-4-6

SAMPLE

Lab Sample ID: JH57Z

LIMS ID: 06-7267

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/18/06

Date Received: 02/18/06

Date Extracted: 05/10/06

Date Analyzed: 05/17/06 12:00

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.5 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 40.9%

pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	< 66 U
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
106-44-5	4-Methylphenol	66	< 66 U
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	66	< 66 U
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	66	< 66 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
<b>131-11-3</b>	<b>Dimethylphthalate</b>	<b>66</b>	<b>110</b>
208-96-8	Acenaphthylene	66	< 66 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	66	< 66 U
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	66	< 66 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>66</b>	<b>39 J</b>
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>66</b>	<b>170</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC203-4-6

SAMPLE

Lab Sample ID: JH57Z

LIMS ID: 06-7267

Matrix: Sediment

Date Analyzed: 05/17/06 12:00

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	74
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	Fluoranthene	66	760
129-00-0	Pyrene	66	690
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo (a) anthracene	66	240
117-81-7	bis (2-Ethylhexyl) phthalate	66	770
218-01-9	Chrysene	66	310
117-84-0	Di-n-Octyl phthalate	66	< 66 U
205-99-2	Benzo (b) fluoranthene	66	340
207-08-9	Benzo (k) fluoranthene	66	150
50-32-8	Benzo (a) pyrene	66	180
193-39-5	Indeno (1,2,3-cd) pyrene	66	66
191-24-2	Benzo (g,h,i) perylene	66	89
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	< 66 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	72.0%	2-Fluorobiphenyl	74.4%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	61.2%
d5-Phenol	72.3%	2-Fluorophenol	69.3%
2,4,6-Tribromophenol	76.0%	d4-2-Chlorophenol	69.6%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC35-0-2

SAMPLE

Lab Sample ID: JB64L

LIMS ID: 06-3082

Matrix: Sediment

Data Release Authorized:

Reported: 03/10/06

QC Report No: JB64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/15/06

Date Received: 02/15/06

Date Extracted: 02/21/06

Date Analyzed: 03/06/06 13:38

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 46.8%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>60</b>	<b>110</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>60</b>	<b>70</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC35-0-2  
**SAMPLE**

Lab Sample ID: JB64L  
 LIMS ID: 06-3082  
 Matrix: Sediment  
 Date Analyzed: 03/06/06 13:38

QC Report No: JB64-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	330
129-00-0	Pyrene	60	490
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	170
117-81-7	bis (2-Ethylhexyl) phthalate	60	400
218-01-9	Chrysene	60	260
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	360
207-08-9	Benzo (k) fluoranthene	60	220
50-32-8	Benzo (a) pyrene	60	200
193-39-5	Indeno (1,2,3-cd) pyrene	60	50 J
53-70-3	Dibenz (a, h) anthracene	60	< 60 U
191-24-2	Benzo (g, h, i) perylene	60	45 J
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	49.6%	2-Fluorobiphenyl	49.9%
d14-p-Terphenyl	42.1%	d4-1,2-Dichlorobenzene	41.5%
d5-Phenol	52.7%	2-Fluorophenol	50.4%
2,4,6-Tribromophenol	56.6%	d4-2-Chlorophenol	50.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC35-2-4

SAMPLE

Lab Sample ID: JB64M

LIMS ID: 06-3083

Matrix: Sediment

Data Release Authorized:

Reported: 03/10/06

QC Report No: JB64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/15/06

Date Received: 02/15/06

Date Extracted: 02/21/06

Date Analyzed: 03/06/06 14:12

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 42.4%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	92
120-12-7	Anthracene	59	43 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC35-2-4  
**SAMPLE**

Lab Sample ID: JB64M  
 LIMS ID: 06-3083  
 Matrix: Sediment  
 Date Analyzed: 03/06/06 14:12

QC Report No: JB64-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	300
129-00-0	Pyrene	59	530
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	130
117-81-7	bis (2-Ethylhexyl)phthalate	59	380
218-01-9	Chrysene	59	200
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	350
207-08-9	Benzo (k) fluoranthene	59	280
50-32-8	Benzo (a) pyrene	59	210
193-39-5	Indeno (1,2,3-cd) pyrene	59	53 J
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	47 J
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	55.8%	2-Fluorobiphenyl	54.2%
d14-p-Terphenyl	41.8%	d4-1,2-Dichlorobenzene	48.7%
d5-Phenol	57.7%	2-Fluorophenol	56.4%
2,4,6-Tribromophenol	60.6%	d4-2-Chlorophenol	56.3%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC36-0-1  
**SAMPLE**

Lab Sample ID: JB82A  
 LIMS ID: 06-3250  
 Matrix: Sediment  
 Data Release Authorized: *[Signature]*  
 Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/16/06  
 Date Received: 02/16/06

Date Extracted: 02/28/06  
 Date Analyzed: 03/21/06 11:49  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 40.4%  
 pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	40	< 40 U
111-44-4	Bis-(2-Chloroethyl) Ether	40	< 40 U
95-57-8	2-Chlorophenol	40	< 40 U
541-73-1	1,3-Dichlorobenzene	40	< 40 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	< 40 U
106-44-5	4-Methylphenol	40	< 40 U
67-72-1	Hexachloroethane	40	< 40 U
98-95-3	Nitrobenzene	40	< 40 U
78-59-1	Isophorone	40	< 40 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	40	< 40 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	40	< 40 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	40	< 40 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	40	< 40 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	40	< 40 U
208-96-8	Acenaphthylene	40	< 40 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	40	< 40 U
51-28-5	2,4-Dinitrophenol	400	< 400 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	40	< 40 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	40	< 40 U
7005-72-3	4-Chlorophenyl-phenylether	40	< 40 U
86-73-7	Fluorene	40	< 40 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	400	< 400 U
101-55-3	4-Bromophenyl-phenylether	40	< 40 U
85-01-8	Phenanthrene	40	51
120-12-7	Anthracene	40	29 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC36-0-1  
**SAMPLE**

Lab Sample ID: JB82A  
 LIMS ID: 06-3250  
 Matrix: Sediment  
 Date Analyzed: 03/21/06 11:49

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	40	24 J
206-44-0	Fluoranthene	40	160
129-00-0	Pyrene	40	150
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	40	81
117-81-7	bis (2-Ethylhexyl) phthalate	40	73
218-01-9	Chrysene	40	110
117-84-0	Di-n-Octyl phthalate	40	< 40 U
205-99-2	Benzo (b) fluoranthene	40	92
207-08-9	Benzo (k) fluoranthene	40	96
50-32-8	Benzo (a) pyrene	40	74
193-39-5	Indeno (1,2,3-cd) pyrene	40	35 J
53-70-3	Dibenz (a,h) anthracene	40	< 40 U
191-24-2	Benzo (g,h,i) perylene	40	31 J
62-53-3	Aniline	40	< 40 U
90-12-0	1-Methylnaphthalene	40	< 40 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	79.0%	2-Fluorobiphenyl	74.3%
d14-p-Terphenyl	60.1%	d4-1,2-Dichlorobenzene	58.7%
d5-Phenol	76.3%	2-Fluorophenol	65.6%
2,4,6-Tribromophenol	67.7%	d4-2-Chlorophenol	69.3%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC36-1-2

SAMPLE

Lab Sample ID: JB82B

LIMS ID: 06-3251

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Date Extracted: 02/28/06

Date Analyzed: 03/21/06 14:03

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 37.4%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	40	< 40 U
111-44-4	Bis-(2-Chloroethyl) Ether	40	< 40 U
95-57-8	2-Chlorophenol	40	< 40 U
541-73-1	1,3-Dichlorobenzene	40	< 40 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	< 40 U
106-44-5	4-Methylphenol	40	< 40 U
67-72-1	Hexachloroethane	40	< 40 U
98-95-3	Nitrobenzene	40	< 40 U
78-59-1	Isophorone	40	< 40 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	40	< 40 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	40	< 40 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	40	< 40 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	40	< 40 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	40	< 40 U
208-96-8	Acenaphthylene	40	< 40 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	40	< 40 U
51-28-5	2,4-Dinitrophenol	400	< 400 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	40	< 40 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	40	< 40 U
7005-72-3	4-Chlorophenyl-phenylether	40	< 40 U
86-73-7	Fluorene	40	< 40 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	400	< 400 U
101-55-3	4-Bromophenyl-phenylether	40	< 40 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>40</b>	<b>24 J</b>
120-12-7	Anthracene	40	< 40 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC36-1-2

SAMPLE

Lab Sample ID: JB82B

LIMS ID: 06-3251

Matrix: Sediment

Date Analyzed: 03/21/06 14:03

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	40	< 40 U
206-44-0	Fluoranthene	40	65
129-00-0	Pyrene	40	70
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	40	30 J
117-81-7	bis (2-Ethylhexyl) phthalate	40	< 40 U
218-01-9	Chrysene	40	36 J
117-84-0	Di-n-Octyl phthalate	40	< 40 U
205-99-2	Benzo (b) fluoranthene	40	25 J
207-08-9	Benzo (k) fluoranthene	40	28 J
50-32-8	Benzo (a) pyrene	40	20 J
193-39-5	Indeno (1,2,3-cd) pyrene	40	< 40 U
53-70-3	Dibenz (a,h) anthracene	40	< 40 U
191-24-2	Benzo (g,h,i) perylene	40	< 40 U
62-53-3	Aniline	40	< 40 U
90-12-0	1-Methylnaphthalene	40	< 40 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	61.2%	2-Fluorobiphenyl	57.1%
d14-p-Terphenyl	47.0%	d4-1,2-Dichlorobenzene	45.9%
d5-Phenol	58.1%	2-Fluorophenol	49.9%
2,4,6-Tribromophenol	50.8%	d4-2-Chlorophenol	53.0%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC36-2-4**  
**SAMPLE**

Lab Sample ID: JB82C  
 LIMS ID: 06-3252  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/16/06  
 Date Received: 02/16/06

Date Extracted: 02/28/06  
 Date Analyzed: 03/21/06 14:36  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 26.0 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 34.3%  
 pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	38	< 38 U
111-44-4	Bis-(2-Chloroethyl) Ether	38	< 38 U
95-57-8	2-Chlorophenol	38	< 38 U
541-73-1	1,3-Dichlorobenzene	38	< 38 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	38	< 38 U
106-44-5	4-Methylphenol	38	< 38 U
67-72-1	Hexachloroethane	38	< 38 U
98-95-3	Nitrobenzene	38	< 38 U
78-59-1	Isophorone	38	< 38 U
88-75-5	2-Nitrophenol	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	38	< 38 U
120-83-2	2,4-Dichlorophenol	190	< 190 U
91-20-3	Naphthalene	38	< 38 U
106-47-8	4-Chloroaniline	190	< 190 U
59-50-7	4-Chloro-3-methylphenol	190	< 190 U
91-57-6	2-Methylnaphthalene	38	< 38 U
77-47-4	Hexachlorocyclopentadiene	190	< 190 U
88-06-2	2,4,6-Trichlorophenol	190	< 190 U
95-95-4	2,4,5-Trichlorophenol	190	< 190 U
91-58-7	2-Chloronaphthalene	38	< 38 U
88-74-4	2-Nitroaniline	190	< 190 U
131-11-3	Dimethylphthalate	38	< 38 U
208-96-8	Acenaphthylene	38	< 38 U
99-09-2	3-Nitroaniline	190	< 190 U
83-32-9	Acenaphthene	38	< 38 U
51-28-5	2,4-Dinitrophenol	380	< 380 U
100-02-7	4-Nitrophenol	190	< 190 U
132-64-9	Dibenzofuran	38	< 38 U
606-20-2	2,6-Dinitrotoluene	190	< 190 U
121-14-2	2,4-Dinitrotoluene	190	< 190 U
84-66-2	Diethylphthalate	38	< 38 U
7005-72-3	4-Chlorophenyl-phenylether	38	< 38 U
86-73-7	Fluorene	38	< 38 U
100-01-6	4-Nitroaniline	190	< 190 U
534-52-1	4,6-Dinitro-2-Methylphenol	380	< 380 U
101-55-3	4-Bromophenyl-phenylether	38	< 38 U
85-01-8	Phenanthrene	38	< 38 U
120-12-7	Anthracene	38	< 38 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC36-2-4  
 SAMPLE

Lab Sample ID: JB82C  
 LIMS ID: 06-3252  
 Matrix: Sediment  
 Date Analyzed: 03/21/06 14:36

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	38	< 38 U
206-44-0	Fluoranthene	38	34 J
129-00-0	Pyrene	38	22 J
91-94-1	3,3'-Dichlorobenzidine	190	< 190 U
56-55-3	Benzo(a)anthracene	38	< 38 U
117-81-7	bis(2-Ethylhexyl)phthalate	38	< 38 U
218-01-9	Chrysene	38	< 38 U
117-84-0	Di-n-Octyl phthalate	38	< 38 U
205-99-2	Benzo(b)fluoranthene	38	< 38 U
207-08-9	Benzo(k)fluoranthene	38	< 38 U
50-32-8	Benzo(a)pyrene	38	< 38 U
193-39-5	Indeno(1,2,3-cd)pyrene	38	< 38 U
53-70-3	Dibenz(a,h)anthracene	38	< 38 U
191-24-2	Benzo(g,h,i)perylene	38	< 38 U
62-53-3	Aniline	38	< 38 U
90-12-0	1-Methylnaphthalene	38	< 38 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	71.3%	2-Fluorobiphenyl	65.7%
d14-p-Terphenyl	54.9%	d4-1,2-Dichlorobenzene	56.0%
d5-Phenol	67.2%	2-Fluorophenol	59.7%
2,4,6-Tribromophenol	58.1%	d4-2-Chlorophenol	61.9%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC202-0-1  
**SAMPLE**

Lab Sample ID: JB82G  
 LIMS ID: 06-3256  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/16/06  
 Date Received: 02/16/06

Date Extracted: 02/28/06  
 Date Analyzed: 03/21/06 19:37  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 44.1%  
 pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	37
120-12-7	Anthracene	20	14 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC202-0-1  
**SAMPLE**

Lab Sample ID: JB82G  
 LIMS ID: 06-3256  
 Matrix: Sediment  
 Date Analyzed: 03/21/06 19:37

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	14 J
206-44-0	Fluoranthene	20	110
129-00-0	Pyrene	20	93
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	51
117-81-7	bis (2-Ethylhexyl) phthalate	20	54
218-01-9	Chrysene	20	72
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	120
207-08-9	Benzo (k) fluoranthene	20	91
50-32-8	Benzo (a) pyrene	20	56
193-39-5	Indeno (1,2,3-cd) pyrene	20	19 J
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	16 J
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	75.6%	2-Fluorobiphenyl	71.2%
d14-p-Terphenyl	66.0%	d4-1,2-Dichlorobenzene	59.6%
d5-Phenol	72.5%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	77.6%	d4-2-Chlorophenol	65.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC202-0-1

DILUTION

Lab Sample ID: JB82G

LIMS ID: 06-3256

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Date Extracted: 02/28/06

Date Analyzed: 03/22/06 15:37

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 44.1%

pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>60</b>	<b>38 J</b>
120-12-7	Anthracene	60	< 60 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC202-0-1  
DILUTION

Lab Sample ID: JB82G  
LIMS ID: 06-3256  
Matrix: Sediment  
Date Analyzed: 03/22/06 15:37

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	85
129-00-0	Pyrene	60	88
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	50 J
117-81-7	bis (2-Ethylhexyl) phthalate	60	50 J
218-01-9	Chrysene	60	63
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	76
207-08-9	Benzo (k) fluoranthene	60	60
50-32-8	Benzo (a) pyrene	60	45 J
193-39-5	Indeno (1, 2, 3-cd) pyrene	60	39 J
53-70-3	Dibenz (a, h) anthracene	60	< 60 U
191-24-2	Benzo (g, h, i) perylene	60	33 J
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	71.4%	2-Fluorobiphenyl	63.2%
d14-p-Terphenyl	63.0%	d4-1,2-Dichlorobenzene	52.2%
d5-Phenol	68.6%	2-Fluorophenol	56.5%
2,4,6-Tribromophenol	60.9%	d4-2-Chlorophenol	59.4%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC202-1-2  
SAMPLE

Lab Sample ID: JB82H  
LIMS ID: 06-3257  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/28/06  
Date Analyzed: 03/21/06 15:10  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.9 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 37.8%  
pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	39	< 39 U
111-44-4	Bis-(2-Chloroethyl) Ether	39	< 39 U
95-57-8	2-Chlorophenol	39	< 39 U
541-73-1	1,3-Dichlorobenzene	39	< 39 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	39	< 39 U
106-44-5	4-Methylphenol	39	< 39 U
67-72-1	Hexachloroethane	39	< 39 U
98-95-3	Nitrobenzene	39	< 39 U
78-59-1	Isophorone	39	< 39 U
88-75-5	2-Nitrophenol	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	39	< 39 U
120-83-2	2,4-Dichlorophenol	190	< 190 U
91-20-3	Naphthalene	39	< 39 U
106-47-8	4-Chloroaniline	190	< 190 U
59-50-7	4-Chloro-3-methylphenol	190	< 190 U
91-57-6	2-Methylnaphthalene	39	< 39 U
77-47-4	Hexachlorocyclopentadiene	190	< 190 U
88-06-2	2,4,6-Trichlorophenol	190	< 190 U
95-95-4	2,4,5-Trichlorophenol	190	< 190 U
91-58-7	2-Chloronaphthalene	39	< 39 U
88-74-4	2-Nitroaniline	190	< 190 U
131-11-3	Dimethylphthalate	39	< 39 U
208-96-8	Acenaphthylene	39	< 39 U
99-09-2	3-Nitroaniline	190	< 190 U
83-32-9	Acenaphthene	39	< 39 U
51-28-5	2,4-Dinitrophenol	390	< 390 U
100-02-7	4-Nitrophenol	190	< 190 U
132-64-9	Dibenzofuran	39	< 39 U
606-20-2	2,6-Dinitrotoluene	190	< 190 U
121-14-2	2,4-Dinitrotoluene	190	< 190 U
84-66-2	Diethylphthalate	39	< 39 U
7005-72-3	4-Chlorophenyl-phenylether	39	< 39 U
86-73-7	Fluorene	39	< 39 U
100-01-6	4-Nitroaniline	190	< 190 U
534-52-1	4,6-Dinitro-2-Methylphenol	390	< 390 U
101-55-3	4-Bromophenyl-phenylether	39	< 39 U
85-01-8	Phenanthrene	39	27 J
120-12-7	Anthracene	39	< 39 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC202-1-2  
**SAMPLE**

Lab Sample ID: JB82H  
 LIMS ID: 06-3257  
 Matrix: Sediment  
 Date Analyzed: 03/21/06 15:10

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	39	< 39 U
206-44-0	Fluoranthene	39	69
129-00-0	Pyrene	39	78
91-94-1	3,3'-Dichlorobenzidine	190	< 190 U
56-55-3	Benzo (a) anthracene	39	28 J
117-81-7	bis (2-Ethylhexyl) phthalate	39	< 39 U
218-01-9	Chrysene	39	30 J
117-84-0	Di-n-Octyl phthalate	39	< 39 U
205-99-2	Benzo (b) fluoranthene	39	29 J
207-08-9	Benzo (k) fluoranthene	39	27 J
50-32-8	Benzo (a) pyrene	39	20 J
193-39-5	Indeno (1,2,3-cd) pyrene	39	< 39 U
53-70-3	Dibenz (a,h) anthracene	39	< 39 U
191-24-2	Benzo (g,h,i) perylene	39	< 39 U
62-53-3	Aniline	39	< 39 U
90-12-0	1-Methylnaphthalene	39	< 39 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	72.3%	2-Fluorobiphenyl	65.9%
d14-p-Terphenyl	50.6%	d4-1,2-Dichlorobenzene	54.1%
d5-Phenol	68.8%	2-Fluorophenol	60.3%
2,4,6-Tribromophenol	60.3%	d4-2-Chlorophenol	61.9%



ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC202-2-4  
SAMPLE

Lab Sample ID: JB82I  
LIMS ID: 06-3258  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/28/06  
Date Analyzed: 03/21/06 16:16  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 30.8%  
pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	39	< 39 U
111-44-4	Bis-(2-Chloroethyl) Ether	39	< 39 U
95-57-8	2-Chlorophenol	39	< 39 U
541-73-1	1,3-Dichlorobenzene	39	< 39 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	39	< 39 U
106-44-5	4-Methylphenol	39	< 39 U
67-72-1	Hexachloroethane	39	< 39 U
98-95-3	Nitrobenzene	39	< 39 U
78-59-1	Isophorone	39	< 39 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	39	< 39 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	39	< 39 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	39	< 39 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	39	< 39 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	39	< 39 U
208-96-8	Acenaphthylene	39	< 39 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	39	< 39 U
51-28-5	2,4-Dinitrophenol	390	< 390 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	39	< 39 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	39	< 39 U
7005-72-3	4-Chlorophenyl-phenylether	39	< 39 U
86-73-7	Fluorene	39	< 39 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	390	< 390 U
101-55-3	4-Bromophenyl-phenylether	39	< 39 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>39</b>	<b>24 J</b>
120-12-7	Anthracene	39	< 39 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC202-2-4  
SAMPLE

Lab Sample ID: JB82I  
LIMS ID: 06-3258  
Matrix: Sediment  
Date Analyzed: 03/21/06 16:16

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	39	< 39 U
206-44-0	Fluoranthene	39	42
129-00-0	Pyrene	39	28 J
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo(a)anthracene	39	< 39 U
117-81-7	bis(2-Ethylhexyl)phthalate	39	< 39 U
218-01-9	Chrysene	39	< 39 U
117-84-0	Di-n-Octyl phthalate	39	< 39 U
205-99-2	Benzo(b)fluoranthene	39	< 39 U
207-08-9	Benzo(k)fluoranthene	39	< 39 U
50-32-8	Benzo(a)pyrene	39	< 39 U
193-39-5	Indeno(1,2,3-cd)pyrene	39	< 39 U
53-70-3	Dibenz(a,h)anthracene	39	< 39 U
191-24-2	Benzo(g,h,i)perylene	39	< 39 U
62-53-3	Aniline	39	< 39 U
90-12-0	1-Methylnaphthalene	39	< 39 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	80.8%	2-Fluorobiphenyl	73.3%
d14-p-Terphenyl	61.3%	d4-1,2-Dichlorobenzene	63.2%
d5-Phenol	74.1%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	67.7%	d4-2-Chlorophenol	68.8%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC37-0-1  
**SAMPLE**

Lab Sample ID: JC21AG  
 LIMS ID: 06-3605  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/20/06

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/22/06  
 Date Received: 02/22/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/16/06 22:53  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 5.00  
 Percent Moisture: 48.2%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	100	< 100 U
111-44-4	Bis-(2-Chloroethyl) Ether	100	< 100 U
95-57-8	2-Chlorophenol	100	< 100 U
541-73-1	1,3-Dichlorobenzene	100	< 100 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	100	< 100 U
106-44-5	4-Methylphenol	100	< 100 U
67-72-1	Hexachloroethane	100	< 100 U
98-95-3	Nitrobenzene	100	< 100 U
78-59-1	Isophorone	100	< 100 U
88-75-5	2-Nitrophenol	500	< 500 U
111-91-1	bis(2-Chloroethoxy) Methane	100	< 100 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
91-20-3	Naphthalene	100	< 100 U
106-47-8	4-Chloroaniline	500	< 500 U
59-50-7	4-Chloro-3-methylphenol	500	< 500 U
91-57-6	2-Methylnaphthalene	100	< 100 U
77-47-4	Hexachlorocyclopentadiene	500	< 500 U
88-06-2	2,4,6-Trichlorophenol	500	< 500 U
95-95-4	2,4,5-Trichlorophenol	500	< 500 U
91-58-7	2-Chloronaphthalene	100	< 100 U
88-74-4	2-Nitroaniline	500	< 500 U
131-11-3	Dimethylphthalate	100	< 100 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>100</b>	<b>77 J</b>
99-09-2	3-Nitroaniline	500	< 500 U
83-32-9	Acenaphthene	100	< 100 U
51-28-5	2,4-Dinitrophenol	1,000	< 1,000 U
100-02-7	4-Nitrophenol	500	< 500 U
132-64-9	Dibenzofuran	100	< 100 U
606-20-2	2,6-Dinitrotoluene	500	< 500 U
121-14-2	2,4-Dinitrotoluene	500	< 500 U
84-66-2	Diethylphthalate	100	< 100 U
7005-72-3	4-Chlorophenyl-phenylether	100	< 100 U
86-73-7	Fluorene	100	< 100 U
100-01-6	4-Nitroaniline	500	< 500 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,000	< 1,000 U
101-55-3	4-Bromophenyl-phenylether	100	< 100 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>100</b>	<b>350</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>100</b>	<b>220</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC37-0-1  
SAMPLE

Lab Sample ID: JC21AG  
LIMS ID: 06-3605  
Matrix: Sediment  
Date Analyzed: 03/16/06 22:53

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	100	< 100 U
206-44-0	Fluoranthene	100	1,600
129-00-0	Pyrene	100	2,900
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	100	1,100
117-81-7	bis (2-Ethylhexyl) phthalate	100	850
218-01-9	Chrysene	100	1,600
117-84-0	Di-n-Octyl phthalate	100	< 100 U
205-99-2	Benzo (b) fluoranthene	100	3,000
207-08-9	Benzo (k) fluoranthene	100	2,100
50-32-8	Benzo (a) pyrene	100	2,000
193-39-5	Indeno (1, 2, 3-cd) pyrene	100	750
53-70-3	Dibenz (a, h) anthracene	100	170
191-24-2	Benzo (g, h, i) perylene	100	530
62-53-3	Aniline	100	< 100 U
90-12-0	1-Methylnaphthalene	100	< 100 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	63.6%	2-Fluorobiphenyl	50.8%
d14-p-Terphenyl	40.0%	d4-1,2-Dichlorobenzene	44.8%
d5-Phenol	53.6%	2-Fluorophenol	51.9%
2,4,6-Tribromophenol	51.9%	d4-2-Chlorophenol	50.1%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC37-1-2  
SAMPLE

Lab Sample ID: JC21AH  
LIMS ID: 06-3606  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/20/06

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/22/06  
Date Received: 02/22/06

Date Extracted: 03/07/06  
Date Analyzed: 03/16/06 23:27  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 5.00  
Percent Moisture: 42.3%  
pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	100	< 100 U
111-44-4	Bis-(2-Chloroethyl) Ether	100	< 100 U
95-57-8	2-Chlorophenol	100	< 100 U
541-73-1	1,3-Dichlorobenzene	100	< 100 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	100	< 100 U
106-44-5	4-Methylphenol	100	< 100 U
67-72-1	Hexachloroethane	100	< 100 U
98-95-3	Nitrobenzene	100	< 100 U
78-59-1	Isophorone	100	< 100 U
88-75-5	2-Nitrophenol	500	< 500 U
111-91-1	bis(2-Chloroethoxy) Methane	100	< 100 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>100</b>	<b>87 J</b>
106-47-8	4-Chloroaniline	500	< 500 U
59-50-7	4-Chloro-3-methylphenol	500	< 500 U
91-57-6	2-Methylnaphthalene	100	< 100 U
77-47-4	Hexachlorocyclopentadiene	500	< 500 U
88-06-2	2,4,6-Trichlorophenol	500	< 500 U
95-95-4	2,4,5-Trichlorophenol	500	< 500 U
91-58-7	2-Chloronaphthalene	100	< 100 U
88-74-4	2-Nitroaniline	500	< 500 U
131-11-3	Dimethylphthalate	100	< 100 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>100</b>	<b>160</b>
99-09-2	3-Nitroaniline	500	< 500 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>100</b>	<b>120</b>
51-28-5	2,4-Dinitrophenol	1,000	< 1,000 U
100-02-7	4-Nitrophenol	500	< 500 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>100</b>	<b>88 J</b>
606-20-2	2,6-Dinitrotoluene	500	< 500 U
121-14-2	2,4-Dinitrotoluene	500	< 500 U
84-66-2	Diethylphthalate	100	< 100 U
7005-72-3	4-Chlorophenyl-phenylether	100	< 100 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>100</b>	<b>170</b>
100-01-6	4-Nitroaniline	500	< 500 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,000	< 1,000 U
101-55-3	4-Bromophenyl-phenylether	100	< 100 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>100</b>	<b>1,400</b>
120-12-7	Anthracene	100	670

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC37-1-2  
SAMPLE

Lab Sample ID: JC21AH  
LIMS ID: 06-3606  
Matrix: Sediment  
Date Analyzed: 03/16/06 23:27

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	100	< 100 U
206-44-0	Fluoranthene	100	4,500
129-00-0	Pyrene	100	8,500 E
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	100	3,100
117-81-7	bis (2-Ethylhexyl)phthalate	100	1,100
218-01-9	Chrysene	100	4,800
117-84-0	Di-n-Octyl phthalate	100	79 J
205-99-2	Benzo (b) fluoranthene	100	9,600 E
207-08-9	Benzo (k) fluoranthene	100	3,800
50-32-8	Benzo (a) pyrene	100	5,300
193-39-5	Indeno (1,2,3-cd) pyrene	100	1,500
53-70-3	Dibenz (a,h) anthracene	100	360
191-24-2	Benzo (g,h,i) perylene	100	1,000
62-53-3	Aniline	100	< 100 U
90-12-0	1-Methylnaphthalene	100	< 100 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	64.2%	2-Fluorobiphenyl	52.6%
d14-p-Terphenyl	34.6%	d4-1,2-Dichlorobenzene	47.2%
d5-Phenol	54.9%	2-Fluorophenol	53.1%
2,4,6-Tribromophenol	54.5%	d4-2-Chlorophenol	51.5%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2Sample ID: LDW-SC37-1-2  
DILUTIONLab Sample ID: JC21AH  
LIMS ID: 06-3606  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/20/06QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/22/06  
Date Received: 02/22/06Date Extracted: 03/07/06  
Date Analyzed: 03/17/06 11:36  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: YesSample Amount: 50.2 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 15.0  
Percent Moisture: 42.3%  
pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	300	< 300 U
111-44-4	Bis-(2-Chloroethyl) Ether	300	< 300 U
95-57-8	2-Chlorophenol	300	< 300 U
541-73-1	1,3-Dichlorobenzene	300	< 300 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	300	< 300 U
106-44-5	4-Methylphenol	300	< 300 U
67-72-1	Hexachloroethane	300	< 300 U
98-95-3	Nitrobenzene	300	< 300 U
78-59-1	Isophorone	300	< 300 U
88-75-5	2-Nitrophenol	1,500	< 1,500 U
111-91-1	bis(2-Chloroethoxy) Methane	300	< 300 U
120-83-2	2,4-Dichlorophenol	1,500	< 1,500 U
91-20-3	Naphthalene	300	< 300 U
106-47-8	4-Chloroaniline	1,500	< 1,500 U
59-50-7	4-Chloro-3-methylphenol	1,500	< 1,500 U
91-57-6	2-Methylnaphthalene	300	< 300 U
77-47-4	Hexachlorocyclopentadiene	1,500	< 1,500 U
88-06-2	2,4,6-Trichlorophenol	1,500	< 1,500 U
95-95-4	2,4,5-Trichlorophenol	1,500	< 1,500 U
91-58-7	2-Chloronaphthalene	300	< 300 U
88-74-4	2-Nitroaniline	1,500	< 1,500 U
131-11-3	Dimethylphthalate	300	< 300 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>300</b>	<b>170 J</b>
99-09-2	3-Nitroaniline	1,500	< 1,500 U
83-32-9	Acenaphthene	300	< 300 U
51-28-5	2,4-Dinitrophenol	3,000	< 3,000 U
100-02-7	4-Nitrophenol	1,500	< 1,500 U
132-64-9	Dibenzofuran	300	< 300 U
606-20-2	2,6-Dinitrotoluene	1,500	< 1,500 U
121-14-2	2,4-Dinitrotoluene	1,500	< 1,500 U
84-66-2	Diethylphthalate	300	< 300 U
7005-72-3	4-Chlorophenyl-phenylether	300	< 300 U
86-73-7	Fluorene	300	< 300 U
100-01-6	4-Nitroaniline	1,500	< 1,500 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,000	< 3,000 U
101-55-3	4-Bromophenyl-phenylether	300	< 300 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>300</b>	<b>1,500</b>
120-12-7	Anthracene	300	640

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC37-1-2  
 DILUTION

Lab Sample ID: JC21AH  
 LIMS ID: 06-3606  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 11:36

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	300	< 300 U
206-44-0	Fluoranthene	300	4,500
129-00-0	Pyrene	300	9,200
91-94-1	3,3'-Dichlorobenzidine	1,500	< 1,500 U
56-55-3	Benzo (a) anthracene	300	3,300
117-81-7	bis (2-Ethylhexyl)phthalate	300	1,000
218-01-9	Chrysene	300	5,000
117-84-0	Di-n-Octyl phthalate	300	< 300 U
205-99-2	Benzo (b) fluoranthene	300	6,400
207-08-9	Benzo (k) fluoranthene	300	5,000
50-32-8	Benzo (a) pyrene	300	5,200
193-39-5	Indeno (1,2,3-cd) pyrene	300	2,700
53-70-3	Dibenz (a,h) anthracene	300	620
191-24-2	Benzo (g,h,i) perylene	300	2,000
62-53-3	Aniline	300	< 300 U
90-12-0	1-Methylnaphthalene	300	< 300 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**


d5-Nitrobenzene	64.2%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	40.2%	d4-1,2-Dichlorobenzene	47.4%
d5-Phenol	56.8%	2-Fluorophenol	54.0%
2,4,6-Tribromophenol	54.4%	d4-2-Chlorophenol	52.4%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC37-2-4  
SAMPLE

Lab Sample ID: JC21AI  
LIMS ID: 06-3607  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/20/06

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/22/06  
Date Received: 02/22/06

Date Extracted: 03/07/06  
Date Analyzed: 03/17/06 01:07  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 42.1 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 5.00  
Percent Moisture: 33.2%  
pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	120	< 120 U
111-44-4	Bis-(2-Chloroethyl) Ether	120	< 120 U
95-57-8	2-Chlorophenol	120	< 120 U
541-73-1	1,3-Dichlorobenzene	120	< 120 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	120	< 120 U
<b>106-44-5</b>	<b>4-Methylphenol</b>	<b>120</b>	<b>110 J</b>
67-72-1	Hexachloroethane	120	< 120 U
98-95-3	Nitrobenzene	120	< 120 U
78-59-1	Isophorone	120	< 120 U
88-75-5	2-Nitrophenol	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	120	< 120 U
120-83-2	2,4-Dichlorophenol	590	< 590 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>120</b>	<b>400</b>
106-47-8	4-Chloroaniline	590	< 590 U
59-50-7	4-Chloro-3-methylphenol	590	< 590 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>120</b>	<b>330</b>
77-47-4	Hexachlorocyclopentadiene	590	< 590 U
88-06-2	2,4,6-Trichlorophenol	590	< 590 U
95-95-4	2,4,5-Trichlorophenol	590	< 590 U
91-58-7	2-Chloronaphthalene	120	< 120 U
88-74-4	2-Nitroaniline	590	< 590 U
131-11-3	Dimethylphthalate	120	< 120 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>120</b>	<b>64 J</b>
99-09-2	3-Nitroaniline	590	< 590 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>120</b>	<b>620</b>
51-28-5	2,4-Dinitrophenol	1,200	< 1,200 U
100-02-7	4-Nitrophenol	590	< 590 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>120</b>	<b>570</b>
606-20-2	2,6-Dinitrotoluene	590	< 590 U
121-14-2	2,4-Dinitrotoluene	590	< 590 U
84-66-2	Diethylphthalate	120	< 120 U
7005-72-3	4-Chlorophenyl-phenylether	120	< 120 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>120</b>	<b>750</b>
100-01-6	4-Nitroaniline	590	< 590 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,200	< 1,200 U
101-55-3	4-Bromophenyl-phenylether	120	< 120 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>120</b>	<b>7,500</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>120</b>	<b>1,200</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC37-2-4  
 SAMPLE

Lab Sample ID: JC21AI  
 LIMS ID: 06-3607  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 01:07

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	120	< 120 U
206-44-0	Fluoranthene	120	12,000 E
129-00-0	Pyrene	120	8,900
91-94-1	3,3'-Dichlorobenzidine	590	< 590 U
56-55-3	Benzo (a) anthracene	120	4,500
117-81-7	bis (2-Ethylhexyl)phthalate	120	540
218-01-9	Chrysene	120	5,000
117-84-0	Di-n-Octyl phthalate	120	< 120 U
205-99-2	Benzo (b) fluoranthene	120	5,000
207-08-9	Benzo (k) fluoranthene	120	4,100
50-32-8	Benzo (a) pyrene	120	4,000
193-39-5	Indeno (1, 2, 3-cd) pyrene	120	1,200
53-70-3	Dibenz (a, h) anthracene	120	270
191-24-2	Benzo (g, h, i) perylene	120	830
62-53-3	Aniline	120	< 120 U
90-12-0	1-Methylnaphthalene	120	270

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	51.2%
d14-p-Terphenyl	45.2%	d4-1,2-Dichlorobenzene	51.4%
d5-Phenol	56.4%	2-Fluorophenol	53.9%
2,4,6-Tribromophenol	49.1%	d4-2-Chlorophenol	50.9%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC37-2-4  
DILUTION

Lab Sample ID: JC21AI  
LIMS ID: 06-3607  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/20/06

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/22/06  
Date Received: 02/22/06

Date Extracted: 03/07/06  
Date Analyzed: 03/17/06 12:10  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 42.1 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 15.0  
Percent Moisture: 33.2%  
pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	360	< 360 U
111-44-4	Bis-(2-Chloroethyl) Ether	360	< 360 U
95-57-8	2-Chlorophenol	360	< 360 U
541-73-1	1,3-Dichlorobenzene	360	< 360 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	360	< 360 U
106-44-5	4-Methylphenol	360	< 360 U
67-72-1	Hexachloroethane	360	< 360 U
98-95-3	Nitrobenzene	360	< 360 U
78-59-1	Isophorone	360	< 360 U
88-75-5	2-Nitrophenol	1,800	< 1,800 U
111-91-1	bis(2-Chloroethoxy) Methane	360	< 360 U
120-83-2	2,4-Dichlorophenol	1,800	< 1,800 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>360</b>	<b>400</b>
106-47-8	4-Chloroaniline	1,800	< 1,800 U
59-50-7	4-Chloro-3-methylphenol	1,800	< 1,800 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>360</b>	<b>340 J</b>
77-47-4	Hexachlorocyclopentadiene	1,800	< 1,800 U
88-06-2	2,4,6-Trichlorophenol	1,800	< 1,800 U
95-95-4	2,4,5-Trichlorophenol	1,800	< 1,800 U
91-58-7	2-Chloronaphthalene	360	< 360 U
88-74-4	2-Nitroaniline	1,800	< 1,800 U
131-11-3	Dimethylphthalate	360	< 360 U
208-96-8	Acenaphthylene	360	< 360 U
99-09-2	3-Nitroaniline	1,800	< 1,800 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>360</b>	<b>610</b>
51-28-5	2,4-Dinitrophenol	3,600	< 3,600 U
100-02-7	4-Nitrophenol	1,800	< 1,800 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>360</b>	<b>570</b>
606-20-2	2,6-Dinitrotoluene	1,800	< 1,800 U
121-14-2	2,4-Dinitrotoluene	1,800	< 1,800 U
84-66-2	Diethylphthalate	360	< 360 U
7005-72-3	4-Chlorophenyl-phenylether	360	< 360 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>360</b>	<b>740</b>
100-01-6	4-Nitroaniline	1,800	< 1,800 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,600	< 3,600 U
101-55-3	4-Bromophenyl-phenylether	360	< 360 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>360</b>	<b>8,400</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>360</b>	<b>1,200</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC37-2-4  
 DILUTION

Lab Sample ID: JC21AI  
 LIMS ID: 06-3607  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 12:10

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	360	< 360 U
206-44-0	Fluoranthene	360	13,000
129-00-0	Pyrene	360	9,000
91-94-1	3,3'-Dichlorobenzidine	1,800	< 1,800 U
56-55-3	Benzo (a) anthracene	360	4,800
117-81-7	bis (2-Ethylhexyl) phthalate	360	530
218-01-9	Chrysene	360	5,100
117-84-0	Di-n-Octyl phthalate	360	< 360 U
205-99-2	Benzo (b) fluoranthene	360	3,800
207-08-9	Benzo (k) fluoranthene	360	3,400
50-32-8	Benzo (a) pyrene	360	3,800
193-39-5	Indeno (1,2,3-cd) pyrene	360	1,800
53-70-3	Dibenz (a,h) anthracene	360	420
191-24-2	Benzo (g,h,i) perylene	360	1,400
62-53-3	Aniline	360	< 360 U
90-12-0	1-Methylnaphthalene	360	< 360 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	51.6%	2-Fluorobiphenyl	54.0%
d14-p-Terphenyl	43.2%	d4-1,2-Dichlorobenzene	49.8%
d5-Phenol	56.0%	2-Fluorophenol	53.6%
2,4,6-Tribromophenol	47.6%	d4-2-Chlorophenol	50.8%

## ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC37-5.3-6.9


SAMPLE

Lab Sample ID: JH57D

LIMS ID: 06-7245

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06 

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 13:42

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.5 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 21.9%

pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	66	< 66 U
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U
95-57-8	2-Chlorophenol	66	< 66 U
541-73-1	1,3-Dichlorobenzene	66	< 66 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U
106-44-5	4-Methylphenol	66	< 66 U
67-72-1	Hexachloroethane	66	< 66 U
98-95-3	Nitrobenzene	66	< 66 U
78-59-1	Isophorone	66	< 66 U
88-75-5	2-Nitrophenol	330	< 330 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
91-20-3	Naphthalene	66	< 66 U
106-47-8	4-Chloroaniline	330	< 330 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	66	< 66 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	66	< 66 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	66	< 66 U
208-96-8	Acenaphthylene	66	< 66 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	66	< 66 U
51-28-5	2,4-Dinitrophenol	660	< 660 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	66	< 66 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	66	< 66 U
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U
86-73-7	Fluorene	66	< 66 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U
101-55-3	4-Bromophenyl-phenylether	66	< 66 U
85-01-8	Phenanthrene	66	46 J

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC37-5.3-6.9  
SAMPLE

Lab Sample ID: JH57D  
LIMS ID: 06-7245  
Matrix: Sediment  
Date Analyzed: 05/16/06 13:42

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	66	< 66 U
84-74-2	Di-n-Butylphthalate	66	< 66 U
206-44-0	<b>Fluoranthene</b>	<b>66</b>	<b>94</b>
129-00-0	<b>Pyrene</b>	<b>66</b>	<b>130</b>
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	<b>Benzo (a) anthracene</b>	<b>66</b>	<b>39 J</b>
117-81-7	bis (2-Ethylhexyl) phthalate	66	< 66 U
218-01-9	<b>Chrysene</b>	<b>66</b>	<b>40 J</b>
117-84-0	Di-n-Octyl phthalate	66	< 66 U
205-99-2	<b>Benzo (b) fluoranthene</b>	<b>66</b>	<b>33 J</b>
207-08-9	Benzo (k) fluoranthene	66	< 66 U
50-32-8	Benzo (a) pyrene	66	< 66 U
193-39-5	Indeno (1,2,3-cd) pyrene	66	< 66 U
191-24-2	Benzo (g,h,i) perylene	66	< 66 U
62-53-3	Aniline	66	< 66 U
90-12-0	1-Methylnaphthalene	66	< 66 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	68.8%	2-Fluorobiphenyl	67.2%
d14-p-Terphenyl	103%	d4-1,2-Dichlorobenzene	61.6%
d5-Phenol	67.2%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	60.3%	d4-2-Chlorophenol	65.1%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC38-0-1

SAMPLE

Lab Sample ID: JC10AT

LIMS ID: 06-3498

Matrix: Sediment

Data Release Authorized:

Reported: 01/25/07

QC Report No: JC10-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Date Extracted: 03/02/06

Date Analyzed: 03/26/06 01:25

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 7.3%

pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>12 J</b>
120-12-7	Anthracene	20	< 20 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC38-0-1  
SAMPLE

Lab Sample ID: JC10AT  
LIMS ID: 06-3498  
Matrix: Sediment  
Date Analyzed: 03/26/06 01:25

QC Report No: JC10-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	10 J
206-44-0	Fluoranthene	20	36
129-00-0	Pyrene	20	38
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	12 J
117-81-7	bis (2-Ethylhexyl) phthalate	20	22
218-01-9	Chrysene	20	12 J
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	13 J
207-08-9	Benzo (k) fluoranthene	20	11 J
50-32-8	Benzo (a) pyrene	20	< 20 U
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	33	< 33 Y
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)


**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	65.6%
d14-p-Terphenyl	53.6%	d4-1,2-Dichlorobenzene	52.8%
d5-Phenol	56.8%	2-Fluorophenol	53.3%
2,4,6-Tribromophenol	62.4%	d4-2-Chlorophenol	56.5%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC38-1-2  
**SAMPLE**

Lab Sample ID: JC10AU  
 LIMS ID: 06-3499  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/27/06

QC Report No: JC10-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/21/06  
 Date Received: 02/21/06

Date Extracted: 03/02/06  
 Date Analyzed: 03/26/06 01:58  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 30.3%  
 pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>20</b>	<b>13 J</b>
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>16 J</b>
120-12-7	Anthracene	20	< 20 U

Lab Sample ID: JC10AU  
 LIMS ID: 06-3499  
 Matrix: Sediment  
 Date Analyzed: 03/26/06 01:58

QC Report No: JC10-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	49
129-00-0	Pyrene	20	45
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	14 J
117-81-7	bis (2-Ethylhexyl) phthalate	20	13 J
218-01-9	Chrysene	20	13 J
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	12 J
207-08-9	Benzo (k) fluoranthene	20	12 J
50-32-8	Benzo (a) pyrene	20	< 20 U
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	37.1%	2-Fluorobiphenyl	40.8%
d14-p-Terphenyl	33.5%	d4-1,2-Dichlorobenzene	32.0%
d5-Phenol	36.0%	2-Fluorophenol	33.6%
2,4,6-Tribromophenol	36.5%	d4-2-Chlorophenol	35.5%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC38-2-3**  
**SAMPLE**

Lab Sample ID: JC10AV  
 LIMS ID: 06-3500  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/27/06

QC Report No: JC10-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/21/06  
 Date Received: 02/21/06

Date Extracted: 03/02/06  
 Date Analyzed: 03/26/06 02:31  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 59.2%  
 pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>20</b>	<b>330</b>
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
<b>91-57-6</b>	<b>2-Methylnaphthalene</b>	<b>20</b>	<b>120</b>
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>20</b>	<b>10 J</b>
99-09-2	3-Nitroaniline	98	< 98 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>20</b>	<b>810</b>
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>20</b>	<b>250</b>
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>20</b>	<b>290</b>
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>960</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>20</b>	<b>230</b>

**ORGANICS ANALYSIS DATA SHEET**  
 PSDDA Semivolatiles by SW8270D GC/MS  
 Page 2 of 2

Sample ID: LDW-SC38-2-3  
 SAMPLE

Lab Sample ID: JC10AV  
 LIMS ID: 06-3500  
 Matrix: Sediment  
 Date Analyzed: 03/26/06 02:31

QC Report No: JC10-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	13 J
206-44-0	Fluoranthene	20	1,300
129-00-0	Pyrene	20	660
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	130
117-81-7	bis(2-Ethylhexyl)phthalate	20	80
218-01-9	Chrysene	20	130
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	84
207-08-9	Benzo(k)fluoranthene	20	74
50-32-8	Benzo(a)pyrene	20	39
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	120

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	45.2%	2-Fluorobiphenyl	46.4%
d14-p-Terphenyl	38.4%	d4-1,2-Dichlorobenzene	37.0%
d5-Phenol	42.4%	2-Fluorophenol	38.4%
2,4,6-Tribromophenol	43.5%	d4-2-Chlorophenol	41.1%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC38-3-3.3**  
**SAMPLE**

Lab Sample ID: JC10AW  
 LIMS ID: 06-3501  
 Matrix: Sediment  
 Data Release Authorized: *MS*  
 Reported: 03/27/06

QC Report No: JC10-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/21/06  
 Date Received: 02/21/06

Date Extracted: 03/02/06  
 Date Analyzed: 03/26/06 03:04  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.8 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 29.5%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	< 19 U
111-44-4	Bis-(2-Chloroethyl) Ether	19	< 19 U
95-57-8	2-Chlorophenol	19	< 19 U
541-73-1	1,3-Dichlorobenzene	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
67-72-1	Hexachloroethane	19	< 19 U
98-95-3	Nitrobenzene	19	< 19 U
78-59-1	Isophorone	19	< 19 U
88-75-5	2-Nitrophenol	97	< 97 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	97	< 97 U
91-57-6	2-Methylnaphthalene	19	< 19 U
77-47-4	Hexachlorocyclopentadiene	97	< 97 U
88-06-2	2,4,6-Trichlorophenol	97	< 97 U
95-95-4	2,4,5-Trichlorophenol	97	< 97 U
91-58-7	2-Chloronaphthalene	19	< 19 U
88-74-4	2-Nitroaniline	97	< 97 U
131-11-3	Dimethylphthalate	19	< 19 U
208-96-8	Acenaphthylene	19	< 19 U
99-09-2	3-Nitroaniline	97	< 97 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>19</b>	<b>210</b>
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	97	< 97 U
132-64-9	Dibenzofuran	19	< 19 U
606-20-2	2,6-Dinitrotoluene	97	< 97 U
121-14-2	2,4-Dinitrotoluene	97	< 97 U
84-66-2	Diethylphthalate	19	< 19 U
7005-72-3	4-Chlorophenyl-phenylether	19	< 19 U
86-73-7	Fluorene	19	< 19 U
100-01-6	4-Nitroaniline	97	< 97 U
534-52-1	4,6-Dinitro-2-Methylphenol	190	< 190 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>19</b>	<b>10 J</b>
120-12-7	Anthracene	19	< 19 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC38-3-3.3  
**SAMPLE**

Lab Sample ID: JC10AW  
 LIMS ID: 06-3501  
 Matrix: Sediment  
 Date Analyzed: 03/26/06 03:04

QC Report No: JC10-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	19	12 J
206-44-0	Fluoranthene	19	36
129-00-0	Pyrene	19	40
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	12 J
117-81-7	bis (2-Ethylhexyl) phthalate	19	< 19 U
218-01-9	Chrysene	19	12 J
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	9.9 J
207-08-9	Benzo (k) fluoranthene	19	13 J
50-32-8	Benzo (a) pyrene	19	11 J
193-39-5	Indeno (1,2,3-cd) pyrene	19	< 19 U
53-70-3	Dibenz (a,h) anthracene	19	< 19 U
191-24-2	Benzo (g,h,i) perylene	19	< 19 U
62-53-3	Aniline	19	< 19 U
90-12-0	1-Methylnaphthalene	19	< 19 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.0%	2-Fluorobiphenyl	74.8%
d14-p-Terphenyl	63.2%	d4-1,2-Dichlorobenzene	60.0%
d5-Phenol	65.3%	2-Fluorophenol	59.5%
2,4,6-Tribromophenol	62.7%	d4-2-Chlorophenol	65.1%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC39-0-1  
**SAMPLE**

Lab Sample ID: JB82M  
 LIMS ID: 06-3262  
 Matrix: Sediment  
 Data Release Authorized: *MS*  
 Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/16/06  
 Date Received: 02/16/06

Date Extracted: 02/28/06  
 Date Analyzed: 03/21/06 16:50  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.5 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 27.3%  
 pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	<b>Phenanthrene</b>	<b>59</b>	<b>140</b>
120-12-7	<b>Anthracene</b>	<b>59</b>	<b>58 J</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC39-0-1

SAMPLE

Lab Sample ID: JB82M

LIMS ID: 06-3262

Matrix: Sediment

Date Analyzed: 03/21/06 16:50

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	1,600
129-00-0	Pyrene	59	800
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	210
117-81-7	bis (2-Ethylhexyl) phthalate	59	45 J
218-01-9	Chrysene	59	430
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	270
207-08-9	Benzo (k) fluoranthene	59	290
50-32-8	Benzo (a) pyrene	59	160
193-39-5	Indeno (1, 2, 3-cd) pyrene	59	56 J
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	43 J
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	74.8%	2-Fluorobiphenyl	69.0%
d14-p-Terphenyl	55.0%	d4-1,2-Dichlorobenzene	58.4%
d5-Phenol	70.5%	2-Fluorophenol	63.4%
2,4,6-Tribromophenol	62.6%	d4-2-Chlorophenol	63.4%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2


Sample ID: LDW-SC39-1-2

SAMPLE

Lab Sample ID: JB82N

LIMS ID: 06-3263

Matrix: Sediment

Data Release Authorized: 

Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/16/06

Date Received: 02/16/06

Date Extracted: 02/28/06

Date Analyzed: 03/21/06 17:23

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 24.2%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>60</b>	<b>72</b>
120-12-7	Anthracene	60	< 60 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC39-1-2  
SAMPLE

Lab Sample ID: JB82N  
LIMS ID: 06-3263  
Matrix: Sediment  
Date Analyzed: 03/21/06 17:23

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	110
129-00-0	Pyrene	60	120
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	42 J
117-81-7	bis (2-Ethylhexyl) phthalate	60	< 60 U
218-01-9	Chrysene	60	46 J
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	48 J
207-08-9	Benzo (k) fluoranthene	60	54 J
50-32-8	Benzo (a) pyrene	60	46 J
193-39-5	Indeno (1,2,3-cd) pyrene	60	< 60 U
53-70-3	Dibenz (a, h) anthracene	60	< 60 U
191-24-2	Benzo (g, h, i) perylene	60	< 60 U
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	75.4%	2-Fluorobiphenyl	69.8%
d14-p-Terphenyl	59.3%	d4-1,2-Dichlorobenzene	59.0%
d5-Phenol	70.9%	2-Fluorophenol	57.5%
2,4,6-Tribromophenol	65.2%	d4-2-Chlorophenol	64.2%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC39-2-4  
SAMPLE

Lab Sample ID: JB820  
LIMS ID: 06-3264  
Matrix: Sediment  
Data Release Authorized: *AS*  
Reported: 03/24/06

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/16/06  
Date Received: 02/16/06

Date Extracted: 02/28/06  
Date Analyzed: 03/21/06 17:57  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 31.9%  
pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	39	< 39 U
111-44-4	Bis-(2-Chloroethyl) Ether	39	< 39 U
95-57-8	2-Chlorophenol	39	< 39 U
541-73-1	1,3-Dichlorobenzene	39	< 39 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	39	< 39 U
106-44-5	4-Methylphenol	39	< 39 U
67-72-1	Hexachloroethane	39	< 39 U
98-95-3	Nitrobenzene	39	< 39 U
78-59-1	Isophorone	39	< 39 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	39	< 39 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	39	< 39 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	39	< 39 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	39	< 39 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	39	< 39 U
208-96-8	Acenaphthylene	39	< 39 U
99-09-2	3-Nitroaniline	200	< 200 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>39</b>	<b>21 J</b>
51-28-5	2,4-Dinitrophenol	390	< 390 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	39	< 39 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	39	< 39 U
7005-72-3	4-Chlorophenyl-phenylether	39	< 39 U
86-73-7	Fluorene	39	< 39 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	390	< 390 U
101-55-3	4-Bromophenyl-phenylether	39	< 39 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>39</b>	<b>34 J</b>
120-12-7	Anthracene	39	< 39 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC39-2-4  
SAMPLE

Lab Sample ID: JB820  
LIMS ID: 06-3264  
Matrix: Sediment  
Date Analyzed: 03/21/06 17:57

QC Report No: JB82-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	39	< 39 U
206-44-0	Fluoranthene	39	100
129-00-0	Pyrene	39	110
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	39	37 J
117-81-7	bis (2-Ethylhexyl) phthalate	39	< 39 U
218-01-9	Chrysene	39	44
117-84-0	Di-n-Octyl phthalate	39	< 39 U
205-99-2	Benzo (b) fluoranthene	39	55
207-08-9	Benzo (k) fluoranthene	39	48
50-32-8	Benzo (a) pyrene	39	36 J
193-39-5	Indeno (1,2,3-cd) pyrene	39	< 39 U
53-70-3	Dibenz (a, h) anthracene	39	< 39 U
191-24-2	Benzo (g, h, i) perylene	39	< 39 U
62-53-3	Aniline	39	< 39 U
90-12-0	1-Methylnaphthalene	39	< 39 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	64.7%	2-Fluorobiphenyl	58.2%
d14-p-Terphenyl	49.7%	d4-1,2-Dichlorobenzene	47.5%
d5-Phenol	60.8%	2-Fluorophenol	53.2%
2,4,6-Tribromophenol	56.5%	d4-2-Chlorophenol	54.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC40-0-1.3

SAMPLE

Lab Sample ID: JC42A

LIMS ID: 06-3816

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 01/25/07

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Date Extracted: 03/09/06

Date Analyzed: 03/17/06 12:43

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 24.2%

pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>130</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>20</b>	<b>32</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC40-0-1.3  
**SAMPLE**

Lab Sample ID: JC42A  
 LIMS ID: 06-3816  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 12:43

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	26 B
206-44-0	Fluoranthene	20	320
129-00-0	Pyrene	20	240
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	54
117-81-7	bis (2-Ethylhexyl) phthalate	20	48
218-01-9	Chrysene	20	85
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	41
207-08-9	Benzo (k) fluoranthene	20	44
50-32-8	Benzo (a) pyrene	20	30
193-39-5	Indeno (1,2,3-cd) pyrene	20	20
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	18 J
62-53-3	Aniline	36	< 36 Y
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	61.6%	2-Fluorobiphenyl	56.4%
d14-p-Terphenyl	52.0%	d4-1,2-Dichlorobenzene	50.0%
d5-Phenol	60.3%	2-Fluorophenol	61.6%
2,4,6-Tribromophenol	60.0%	d4-2-Chlorophenol	56.5%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC40-1.3-2**  
**SAMPLE**

Lab Sample ID: JC42B  
 LIMS ID: 06-3817  
 Matrix: Sediment  
 Data Release Authorized: *AB*  
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/17/06 13:17  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 19.3%  
 pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC40-1.3-2  
**SAMPLE**

Lab Sample ID: JC42B  
 LIMS ID: 06-3817  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 13:17

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	69.2%	2-Fluorobiphenyl	62.0%
d14-p-Terphenyl	63.2%	d4-1,2-Dichlorobenzene	58.8%
d5-Phenol	65.1%	2-Fluorophenol	61.6%
2,4,6-Tribromophenol	44.5%	d4-2-Chlorophenol	56.3%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC40-2-4**  
**SAMPLE**

Lab Sample ID: JC42C  
 LIMS ID: 06-3818  
 Matrix: Sediment  
 Data Release Authorized: *AB*  
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/17/06 13:50  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 20.3%  
 pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC40-2-4  
 SAMPLE

Lab Sample ID: JC42C  
 LIMS ID: 06-3818  
 Matrix: Sediment  
 Date Analyzed: 03/17/06 13:50

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	48.0%	2-Fluorobiphenyl	42.0%
d14-p-Terphenyl	46.4%	d4-1,2-Dichlorobenzene	40.0%
d5-Phenol	41.6%	2-Fluorophenol	33.1%
2,4,6-Tribromophenol	22.6%	d4-2-Chlorophenol	31.7%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC40-2-4

REEXTRACT

Lab Sample ID: JC42C

LIMS ID: 06-3818

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/03/06

QC Report No: JC42-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/24/06

Date Received: 02/24/06

Date Extracted: 03/29/06

Date Analyzed: 03/31/06 23:52

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 3.00

Percent Moisture: 20.3%

pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	< 60 U
120-12-7	Anthracene	60	< 60 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC40-2-4  
 REEXTRACT

Lab Sample ID: JC42C  
 LIMS ID: 06-3818  
 Matrix: Sediment  
 Date Analyzed: 03/31/06 23:52

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	< 60 U
129-00-0	Pyrene	60	< 60 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	< 60 U
117-81-7	bis (2-Ethylhexyl) phthalate	60	< 60 U
218-01-9	Chrysene	60	< 60 U
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	< 60 U
207-08-9	Benzo (k) fluoranthene	60	< 60 U
50-32-8	Benzo (a) pyrene	60	< 60 U
193-39-5	Indeno (1,2,3-cd) pyrene	60	< 60 U
53-70-3	Dibenz (a,h) anthracene	60	< 60 U
191-24-2	Benzo (g,h,i) perylene	60	< 60 U
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	61.4%	2-Fluorobiphenyl	68.6%
d14-p-Terphenyl	72.4%	d4-1,2-Dichlorobenzene	63.1%
d5-Phenol	64.0%	2-Fluorophenol	53.4%
2,4,6-Tribromophenol	52.0%	d4-2-Chlorophenol	59.8%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC41-0-1  
**SAMPLE**

Lab Sample ID: JC95A  
 LIMS ID: 06-4140  
 Matrix: Sediment  
 Data Release Authorized: *[Signature]*  
 Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/21/06  
 Date Received: 02/21/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/27/06 14:12  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 53.8%  
 pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	180
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	120
120-12-7	Anthracene	59	54 J

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC41-0-1  
SAMPLE

Lab Sample ID: JC95A  
LIMS ID: 06-4140  
Matrix: Sediment  
Date Analyzed: 03/27/06 14:12

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	250
129-00-0	Pyrene	59	480
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	200
117-81-7	bis (2-Ethylhexyl) phthalate	59	480
218-01-9	Chrysene	59	320
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	360
207-08-9	Benzo (k) fluoranthene	59	240
50-32-8	Benzo (a) pyrene	59	180
193-39-5	Indeno (1,2,3-cd) pyrene	59	77
53-70-3	Dibenz (a,h) anthracene	59	42 J
191-24-2	Benzo (g,h,i) perylene	59	70
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	56.5%	2-Fluorobiphenyl	61.6%
d14-p-Terphenyl	50.6%	d4-1,2-Dichlorobenzene	55.3%
d5-Phenol	58.4%	2-Fluorophenol	50.3%
2,4,6-Tribromophenol	55.1%	d4-2-Chlorophenol	59.7%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC41-1-2  
SAMPLE

Lab Sample ID: JC95B  
LIMS ID: 06-4141  
Matrix: Sediment  
Data Release Authorized: *AS*  
Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/21/06  
Date Received: 02/21/06

Date Extracted: 03/07/06  
Date Analyzed: 03/27/06 14:46  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 1.00  
Percent Moisture: 49.4%  
pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	28
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	16 J
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	28
120-12-7	Anthracene	20	14 J

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC41-1-2  
SAMPLE

Lab Sample ID: JC95B  
LIMS ID: 06-4141  
Matrix: Sediment  
Date Analyzed: 03/27/06 14:46

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	42
129-00-0	Pyrene	20	150
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo(a)anthracene	20	40
117-81-7	bis(2-Ethylhexyl)phthalate	20	69
218-01-9	Chrysene	20	75
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	92
207-08-9	Benzo(k)fluoranthene	20	74
50-32-8	Benzo(a)pyrene	20	51
193-39-5	Indeno(1,2,3-cd)pyrene	20	21
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	20
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	35.3%	2-Fluorobiphenyl	42.4%
d14-p-Terphenyl	35.2%	d4-1,2-Dichlorobenzene	34.9%
d5-Phenol	37.9%	2-Fluorophenol	32.0%
2,4,6-Tribromophenol	39.5%	d4-2-Chlorophenol	38.1%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC41-2-4  
**SAMPLE**

Lab Sample ID: JC95C  
 LIMS ID: 06-4142  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/21/06  
 Date Received: 02/21/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/27/06 15:19  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 49.2%  
 pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>59</b>	<b>55 J</b>
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
<b>131-11-3</b>	<b>Dimethylphthalate</b>	<b>59</b>	<b>49 J</b>
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>59</b>	<b>90</b>
120-12-7	Anthracene	59	45 J

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC41-2-4  
SAMPLE

Lab Sample ID: JC95C  
LIMS ID: 06-4142  
Matrix: Sediment  
Date Analyzed: 03/27/06 15:19

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	130
129-00-0	Pyrene	59	510
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	130
117-81-7	bis (2-Ethylhexyl) phthalate	59	240
218-01-9	Chrysene	59	230
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	320
207-08-9	Benzo (k) fluoranthene	59	280
50-32-8	Benzo (a) pyrene	59	180
193-39-5	Indeno (1,2,3-cd) pyrene	59	73
53-70-3	Dibenz (a,h) anthracene	59	30 J
191-24-2	Benzo (g,h,i) perylene	59	62
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	56.5%	2-Fluorobiphenyl	63.7%
d14-p-Terphenyl	47.0%	d4-1,2-Dichlorobenzene	54.8%
d5-Phenol	57.9%	2-Fluorophenol	50.4%
2,4,6-Tribromophenol	60.9%	d4-2-Chlorophenol	59.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC41-4-6

SAMPLE

Lab Sample ID: JH57J

LIMS ID: 06-7251

Matrix: Sediment

Data Release Authorized:

Reported: 05/19/06

QC Report No: JH57-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Date Extracted: 05/10/06

Date Analyzed: 05/16/06 17:13

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 30.8 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 51.7%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	65	< 65 U
111-44-4	Bis-(2-Chloroethyl) Ether	65	< 65 U
95-57-8	2-Chlorophenol	65	< 65 U
541-73-1	1,3-Dichlorobenzene	65	< 65 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	65	< 65 U
106-44-5	4-Methylphenol	65	< 65 U
67-72-1	Hexachloroethane	65	< 65 U
98-95-3	Nitrobenzene	65	< 65 U
78-59-1	Isophorone	65	< 65 U
88-75-5	2-Nitrophenol	320	< 320 U
65-85-0	Benzoic Acid	580	< 580 U
111-91-1	bis(2-Chloroethoxy) Methane	65	< 65 U
120-83-2	2,4-Dichlorophenol	320	< 320 U
91-20-3	Naphthalene	65	< 65 U
106-47-8	4-Chloroaniline	320	< 320 U
59-50-7	4-Chloro-3-methylphenol	320	< 320 U
91-57-6	2-Methylnaphthalene	65	< 65 U
77-47-4	Hexachlorocyclopentadiene	320	< 320 U
88-06-2	2,4,6-Trichlorophenol	320	< 320 U
95-95-4	2,4,5-Trichlorophenol	320	< 320 U
91-58-7	2-Chloronaphthalene	65	< 65 U
88-74-4	2-Nitroaniline	320	< 320 U
131-11-3	Dimethylphthalate	65	< 65 U
208-96-8	Acenaphthylene	65	< 65 U
99-09-2	3-Nitroaniline	320	< 320 U
83-32-9	Acenaphthene	65	< 65 U
51-28-5	2,4-Dinitrophenol	650	< 650 U
100-02-7	4-Nitrophenol	320	< 320 U
132-64-9	Dibenzofuran	65	< 65 U
606-20-2	2,6-Dinitrotoluene	320	< 320 U
121-14-2	2,4-Dinitrotoluene	320	< 320 U
84-66-2	Diethylphthalate	65	< 65 U
7005-72-3	4-Chlorophenyl-phenylether	65	< 65 U
86-73-7	Fluorene	65	< 65 U
100-01-6	4-Nitroaniline	320	< 320 U
534-52-1	4,6-Dinitro-2-Methylphenol	650	< 650 U
101-55-3	4-Bromophenyl-phenylether	65	< 65 U
85-01-8	Phenanthrene	65	200

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC41-4-6  
SAMPLE

Lab Sample ID: JH57J  
LIMS ID: 06-7251  
Matrix: Sediment  
Date Analyzed: 05/16/06 17:13

QC Report No: JH57-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	65	79
84-74-2	Di-n-Butylphthalate	65	< 65 U
206-44-0	Fluoranthene	65	610
129-00-0	Pyrene	65	1,800
91-94-1	3,3'-Dichlorobenzidine	320	< 320 U
56-55-3	Benzo (a) anthracene	65	260
117-81-7	bis (2-Ethylhexyl) phthalate	65	430
218-01-9	Chrysene	65	390
117-84-0	Di-n-Octyl phthalate	65	< 65 U
205-99-2	Benzo (b) fluoranthene	65	430
207-08-9	Benzo (k) fluoranthene	65	340
50-32-8	Benzo (a) pyrene	65	310
193-39-5	Indeno (1,2,3-cd) pyrene	65	120
191-24-2	Benzo (g,h,i) perylene	65	140
62-53-3	Aniline	65	< 65 U
90-12-0	1-Methylnaphthalene	65	< 65 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	72.8%
d14-p-Terphenyl	74.4%	d4-1,2-Dichlorobenzene	60.0%
d5-Phenol	72.0%	2-Fluorophenol	68.8%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	69.6%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC42-0-1

SAMPLE

Lab Sample ID: JA90F

LIMS ID: 06-2360

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/28/06

QC Report No: JA90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Date Extracted: 02/15/06

Date Analyzed: 02/20/06 13:18

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 50.0%

pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	40	150
111-44-4	Bis-(2-Chloroethyl) Ether	40	< 40 U
95-57-8	2-Chlorophenol	40	< 40 U
541-73-1	1,3-Dichlorobenzene	40	< 40 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	< 40 U
106-44-5	4-Methylphenol	40	< 40 U
67-72-1	Hexachloroethane	40	< 40 U
98-95-3	Nitrobenzene	40	< 40 U
78-59-1	Isophorone	40	< 40 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	40	< 40 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	40	< 40 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	40	< 40 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	40	< 40 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	40	< 40 U
208-96-8	Acenaphthylene	40	< 40 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	40	< 40 U
51-28-5	2,4-Dinitrophenol	400	< 400 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	40	< 40 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	40	< 40 U
7005-72-3	4-Chlorophenyl-phenylether	40	< 40 U
86-73-7	Fluorene	40	< 40 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	400	< 400 U
101-55-3	4-Bromophenyl-phenylether	40	< 40 U
85-01-8	Phenanthrene	40	79 B
120-12-7	Anthracene	40	< 40 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC42-0-1  
 SAMPLE

Lab Sample ID: JA90F  
 LIMS ID: 06-2360  
 Matrix: Sediment  
 Date Analyzed: 02/20/06 13:18

QC Report No: JA90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	40	< 40 U
206-44-0	Fluoranthene	40	250 B
129-00-0	Pyrene	40	240 B
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	40	87 B
117-81-7	bis (2-Ethylhexyl) phthalate	40	180 B
218-01-9	Chrysene	40	130 B
117-84-0	Di-n-Octyl phthalate	40	< 40 U
205-99-2	Benzo (b) fluoranthene	40	140 B
207-08-9	Benzo (k) fluoranthene	40	150 B
50-32-8	Benzo (a) pyrene	40	100 B
193-39-5	Indeno (1,2,3-cd) pyrene	40	< 40 U
53-70-3	Dibenz (a,h) anthracene	40	< 40 U
191-24-2	Benzo (g,h,i) perylene	40	42
62-53-3	Aniline	40	< 40 U
90-12-0	1-Methylnaphthalene	40	< 40 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	73.4%	2-Fluorobiphenyl	73.1%
d14-p-Terphenyl	67.1%	d4-1,2-Dichlorobenzene	63.3%
d5-Phenol	66.7%	2-Fluorophenol	70.4%
2,4,6-Tribromophenol	66.7%	d4-2-Chlorophenol	73.1%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC42-1-2**  
**SAMPLE**

Lab Sample ID: JA90G  
 LIMS ID: 06-2361  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 02/28/06

QC Report No: JA90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/08/06  
 Date Received: 02/08/06

Date Extracted: 02/15/06  
 Date Analyzed: 02/20/06 13:51  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 47.8%  
 pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	40	< 40 U
111-44-4	Bis-(2-Chloroethyl) Ether	40	< 40 U
95-57-8	2-Chlorophenol	40	< 40 U
541-73-1	1,3-Dichlorobenzene	40	< 40 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	< 40 U
106-44-5	4-Methylphenol	40	< 40 U
67-72-1	Hexachloroethane	40	< 40 U
98-95-3	Nitrobenzene	40	< 40 U
78-59-1	Isophorone	40	< 40 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	40	< 40 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	40	< 40 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	40	< 40 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	40	< 40 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	40	< 40 U
208-96-8	Acenaphthylene	40	< 40 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	40	< 40 U
51-28-5	2,4-Dinitrophenol	400	< 400 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	40	< 40 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	40	< 40 U
7005-72-3	4-Chlorophenyl-phenylether	40	< 40 U
86-73-7	Fluorene	40	< 40 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	400	< 400 U
101-55-3	4-Bromophenyl-phenylether	40	< 40 U
85-01-8	Phenanthrene	40	170 B
120-12-7	Anthracene	40	96

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC42-1-2  
 SAMPLE

Lab Sample ID: JA90G  
 LIMS ID: 06-2361  
 Matrix: Sediment  
 Date Analyzed: 02/20/06 13:51

QC Report No: JA90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	40	< 40 U
206-44-0	Fluoranthene	40	530 B
129-00-0	Pyrene	40	950 B
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	40	240 B
117-81-7	bis (2-Ethylhexyl) phthalate	40	400 B
218-01-9	Chrysene	40	420 B
117-84-0	Di-n-Octyl phthalate	40	< 40 U
205-99-2	Benzo (b) fluoranthene	40	660 B
207-08-9	Benzo (k) fluoranthene	40	480 B
50-32-8	Benzo (a) pyrene	40	390 B
193-39-5	Indeno (1,2,3-cd) pyrene	40	87
53-70-3	Dibenz (a,h) anthracene	40	< 40 U
191-24-2	Benzo (g,h,i) perylene	40	80
62-53-3	Aniline	40	< 40 U
90-12-0	1-Methylnaphthalene	40	< 40 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	68.5%	2-Fluorobiphenyl	71.3%
d14-p-Terphenyl	58.7%	d4-1,2-Dichlorobenzene	63.6%
d5-Phenol	64.0%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	64.0%	d4-2-Chlorophenol	69.9%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC42-2-4

SAMPLE

Lab Sample ID: JA90H

LIMS ID: 06-2362

Matrix: Sediment

Data Release Authorized:

Reported: 02/28/06

QC Report No: JA90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Date Extracted: 02/15/06

Date Analyzed: 02/20/06 14:24

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 47.9%

pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	40	< 40 U
111-44-4	Bis-(2-Chloroethyl) Ether	40	< 40 U
95-57-8	2-Chlorophenol	40	< 40 U
541-73-1	1,3-Dichlorobenzene	40	< 40 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	< 40 U
106-44-5	4-Methylphenol	40	< 40 U
67-72-1	Hexachloroethane	40	< 40 U
98-95-3	Nitrobenzene	40	< 40 U
78-59-1	Isophorone	40	< 40 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	40	< 40 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	40	< 40 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	40	< 40 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	40	< 40 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	40	< 40 U
208-96-8	Acenaphthylene	40	< 40 U
99-09-2	3-Nitroaniline	200	< 200 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>40</b>	<b>190</b>
51-28-5	2,4-Dinitrophenol	400	< 400 U
100-02-7	4-Nitrophenol	200	< 200 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>40</b>	<b>56</b>
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	40	< 40 U
7005-72-3	4-Chlorophenyl-phenylether	40	< 40 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>40</b>	<b>120</b>
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	400	< 400 U
101-55-3	4-Bromophenyl-phenylether	40	< 40 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>40</b>	<b>340 B</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>40</b>	<b>320</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC42-2-4  
 SAMPLE

Lab Sample ID: JA90H  
 LIMS ID: 06-2362  
 Matrix: Sediment  
 Date Analyzed: 02/20/06 14:24

QC Report No: JA90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	40	< 40 U
206-44-0	Fluoranthene	40	1,400 B
129-00-0	Pyrene	40	830 B
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	40	360 B
117-81-7	bis (2-Ethylhexyl) phthalate	40	210 B
218-01-9	Chrysene	40	470 B
117-84-0	Di-n-Octyl phthalate	40	< 40 U
205-99-2	Benzo (b) fluoranthene	40	430 B
207-08-9	Benzo (k) fluoranthene	40	420 B
50-32-8	Benzo (a) pyrene	40	300 B
193-39-5	Indeno (1,2,3-cd) pyrene	40	64
53-70-3	Dibenz (a,h) anthracene	40	< 40 U
191-24-2	Benzo (g,h,i) perylene	40	54
62-53-3	Aniline	40	< 40 U
90-12-0	1-Methylnaphthalene	40	< 40 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	65.8%	2-Fluorobiphenyl	67.2%
d14-p-Terphenyl	57.4%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	61.9%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	59.2%	d4-2-Chlorophenol	66.1%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC43-0-2  
SAMPLE

Lab Sample ID: JC32A  
LIMS ID: 06-3681  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/28/06

QC Report No: JC32-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/23/06  
Date Received: 02/23/06

Date Extracted: 03/07/06  
Date Analyzed: 03/26/06 03:37  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 1.00  
Percent Moisture: 29.9%  
pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

Lab Sample ID: JC32A  
 LIMS ID: 06-3681  
 Matrix: Sediment  
 Date Analyzed: 03/26/06 03:37

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32


CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	13 J
129-00-0	Pyrene	20	17 J
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	14 J
117-81-7	bis (2-Ethylhexyl) phthalate	20	12 J
218-01-9	Chrysene	20	14 J
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	19 J
207-08-9	Benzo (k) fluoranthene	20	15 J
50-32-8	Benzo (a) pyrene	20	< 20 U
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.4%	2-Fluorobiphenyl	60.0%
d14-p-Terphenyl	53.6%	d4-1,2-Dichlorobenzene	51.6%
d5-Phenol	52.5%	2-Fluorophenol	46.7%
2,4,6-Tribromophenol	65.3%	d4-2-Chlorophenol	52.8%

Sample ID: LDW-SC43-2-4  
SAMPLE

Lab Sample ID: JC32B  
LIMS ID: 06-3682  
Matrix: Sediment  
Data Release Authorized:   
Reported: 03/28/06

QC Report No: JC32-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/23/06  
Date Received: 02/23/06

Date Extracted: 03/07/06  
Date Analyzed: 03/26/06 04:10  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.8 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 1.00  
Percent Moisture: 24.3%  
pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	< 19 U
111-44-4	Bis-(2-Chloroethyl) Ether	19	< 19 U
95-57-8	2-Chlorophenol	19	< 19 U
541-73-1	1,3-Dichlorobenzene	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
67-72-1	Hexachloroethane	19	< 19 U
98-95-3	Nitrobenzene	19	< 19 U
78-59-1	Isophorone	19	< 19 U
88-75-5	2-Nitrophenol	97	< 97 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	97	< 97 U
91-57-6	2-Methylnaphthalene	19	< 19 U
77-47-4	Hexachlorocyclopentadiene	97	< 97 U
88-06-2	2,4,6-Trichlorophenol	97	< 97 U
95-95-4	2,4,5-Trichlorophenol	97	< 97 U
91-58-7	2-Chloronaphthalene	19	< 19 U
88-74-4	2-Nitroaniline	97	< 97 U
131-11-3	Dimethylphthalate	19	< 19 U
208-96-8	Acenaphthylene	19	< 19 U
99-09-2	3-Nitroaniline	97	< 97 U
83-32-9	Acenaphthene	19	< 19 U
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	97	< 97 U
132-64-9	Dibenzofuran	19	< 19 U
606-20-2	2,6-Dinitrotoluene	97	< 97 U
121-14-2	2,4-Dinitrotoluene	97	< 97 U
84-66-2	Diethylphthalate	19	< 19 U
7005-72-3	4-Chlorophenyl-phenylether	19	< 19 U
86-73-7	Fluorene	19	< 19 U
100-01-6	4-Nitroaniline	97	< 97 U
534-52-1	4,6-Dinitro-2-Methylphenol	190	< 190 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
85-01-8	Phenanthrene	19	< 19 U
120-12-7	Anthracene	19	< 19 U

Sample ID: LDW-SC43-2-4  
 SAMPLE

Lab Sample ID: JC32B  
 LIMS ID: 06-3682  
 Matrix: Sediment  
 Date Analyzed: 03/26/06 04:10

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	< 19 U
129-00-0	Pyrene	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo(a)anthracene	19	< 19 U
117-81-7	bis(2-Ethylhexyl)phthalate	19	< 19 U
218-01-9	Chrysene	19	< 19 U
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo(b)fluoranthene	19	< 19 U
207-08-9	Benzo(k)fluoranthene	19	< 19 U
50-32-8	Benzo(a)pyrene	19	< 19 U
193-39-5	Indeno(1,2,3-cd)pyrene	19	< 19 U
53-70-3	Dibenz(a,h)anthracene	19	< 19 U
191-24-2	Benzo(g,h,i)perylene	19	< 19 U
62-53-3	Aniline	19	< 19 U
90-12-0	1-Methylnaphthalene	19	< 19 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	61.2%	2-Fluorobiphenyl	64.4%
d14-p-Terphenyl	60.4%	d4-1,2-Dichlorobenzene	54.4%
d5-Phenol	54.4%	2-Fluorophenol	49.9%
2,4,6-Tribromophenol	69.6%	d4-2-Chlorophenol	57.6%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC44-0-2  
**SAMPLE**

Lab Sample ID: JC95D  
 LIMS ID: 06-4143  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/21/06  
 Date Received: 02/21/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/27/06 15:52  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 40.1%  
 pH: 7.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>60</b>	<b>46 J</b>
120-12-7	Anthracene	60	< 60 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC44-0-2  
SAMPLE

Lab Sample ID: JC95D  
LIMS ID: 06-4143  
Matrix: Sediment  
Date Analyzed: 03/27/06 15:52

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	84
129-00-0	Pyrene	60	220
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	63
117-81-7	bis (2-Ethylhexyl) phthalate	60	35 J
218-01-9	Chrysene	60	74
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	110
207-08-9	Benzo (k) fluoranthene	60	82
50-32-8	Benzo (a) pyrene	60	59 J
193-39-5	Indeno (1,2,3-cd) pyrene	60	< 60 U
53-70-3	Dibenz (a,h) anthracene	60	< 60 U
191-24-2	Benzo (g,h,i) perylene	60	< 60 U
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	45.4%	2-Fluorobiphenyl	53.4%
d14-p-Terphenyl	39.8%	d4-1,2-Dichlorobenzene	43.8%
d5-Phenol	48.2%	2-Fluorophenol	40.1%
2,4,6-Tribromophenol	45.4%	d4-2-Chlorophenol	48.3%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC44-2-3.2  
**SAMPLE**

Lab Sample ID: JC95E  
 LIMS ID: 06-4144  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/21/06  
 Date Received: 02/21/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/27/06 16:26  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.5 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 39.3%  
 pH: 7.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	70
120-12-7	Anthracene	59	35 J

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC44-2-3.2

SAMPLE

Lab Sample ID: JC95E

LIMS ID: 06-4144

Matrix: Sediment

Date Analyzed: 03/27/06 16:26

QC Report No: JC95-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	94
206-44-0	Fluoranthene	59	120
129-00-0	Pyrene	59	300
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	91
117-81-7	bis (2-Ethylhexyl) phthalate	59	< 59 U
218-01-9	Chrysene	59	110
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	130
207-08-9	Benzo (k) fluoranthene	59	92
50-32-8	Benzo (a) pyrene	59	72
193-39-5	Indeno (1,2,3-cd) pyrene	59	< 59 U
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	< 59 U
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	43.3%	2-Fluorobiphenyl	60.2%
d14-p-Terphenyl	39.8%	d4-1,2-Dichlorobenzene	40.9%
d5-Phenol	46.4%	2-Fluorophenol	38.5%
2,4,6-Tribromophenol	42.9%	d4-2-Chlorophenol	45.4%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC44-3.2-4**  
**SAMPLE**

Lab Sample ID: JC95F  
 LIMS ID: 06-4145  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/28/06

QC Report No: JC95-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/21/06  
 Date Received: 02/21/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/27/06 16:59  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.5 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 20.3%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC44-3.2-4  
SAMPLE

Lab Sample ID: JC95F  
LIMS ID: 06-4145  
Matrix: Sediment  
Date Analyzed: 03/27/06 16:59

QC Report No: JC95-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	80
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	21
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	43.2%	2-Fluorobiphenyl	50.0%
d14-p-Terphenyl	47.2%	d4-1,2-Dichlorobenzene	44.0%
d5-Phenol	43.2%	2-Fluorophenol	37.1%
2,4,6-Tribromophenol	55.5%	d4-2-Chlorophenol	45.1%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC45-0-1  
SAMPLE

Lab Sample ID: JC10U  
LIMS ID: 06-3473  
Matrix: Sediment  
Data Release Authorized: *AS*  
Reported: 03/27/06

QC Report No: JC10-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/21/06  
Date Received: 02/21/06

Date Extracted: 03/02/06  
Date Analyzed: 03/22/06 23:55  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 3.00  
Percent Moisture: 54.3%  
pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	75
120-12-7	Anthracene	59	31 J

Sample ID: LDW-SC45-0-1  
 SAMPLE

Lab Sample ID: JC10U  
 LIMS ID: 06-3473  
 Matrix: Sediment  
 Date Analyzed: 03/22/06 23:55

QC Report No: JC10-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	35 J
206-44-0	Fluoranthene	59	420
129-00-0	Pyrene	59	400
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	160
117-81-7	bis (2-Ethylhexyl) phthalate	59	220
218-01-9	Chrysene	59	200
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	280
207-08-9	Benzo (k) fluoranthene	59	200
50-32-8	Benzo (a) pyrene	59	160
193-39-5	Indeno (1,2,3-cd) pyrene	59	41 J
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	45 J
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	67.8%	2-Fluorobiphenyl	56.8%
d14-p-Terphenyl	53.2%	d4-1,2-Dichlorobenzene	49.2%
d5-Phenol	61.0%	2-Fluorophenol	52.4%
2,4,6-Tribromophenol	49.3%	d4-2-Chlorophenol	52.3%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC45-1-2

SAMPLE

Lab Sample ID: JC10V

LIMS ID: 06-3474

Matrix: Sediment

Data Release Authorized:

Reported: 03/27/06

QC Report No: JC10-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/21/06

Date Received: 02/21/06

Date Extracted: 03/02/06

Date Analyzed: 03/23/06 00:28

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 44.3%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>60</b>	<b>55 J</b>
120-12-7	Anthracene	60	< 60 U

Lab Sample ID: JC10V  
 LIMS ID: 06-3474  
 Matrix: Sediment  
 Date Analyzed: 03/23/06 00:28

QC Report No: JC10-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	180
129-00-0	Pyrene	60	270
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	92
117-81-7	bis (2-Ethylhexyl) phthalate	60	120
218-01-9	Chrysene	60	120
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	180
207-08-9	Benzo (k) fluoranthene	60	200
50-32-8	Benzo (a) pyrene	60	110
193-39-5	Indeno (1,2,3-cd) pyrene	60	41 J
53-70-3	Dibenz (a,h) anthracene	60	< 60 U
191-24-2	Benzo (g,h,i) perylene	60	35 J
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.2%	2-Fluorobiphenyl	52.1%
d14-p-Terphenyl	46.4%	d4-1,2-Dichlorobenzene	46.3%
d5-Phenol	55.7%	2-Fluorophenol	48.2%
2,4,6-Tribromophenol	45.2%	d4-2-Chlorophenol	48.9%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC45-2-4  
 SAMPLE

Lab Sample ID: JC10W  
 LIMS ID: 06-3475  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/27/06

QC Report No: JC10-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/21/06  
 Date Received: 02/21/06

Date Extracted: 03/02/06  
 Date Analyzed: 03/23/06 01:01  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 44.1%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>59</b>	<b>55 J</b>
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>59</b>	<b>62</b>
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>59</b>	<b>600</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>59</b>	<b>180</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC45-2-4  
 SAMPLE

Lab Sample ID: JC10W  
 LIMS ID: 06-3475  
 Matrix: Sediment  
 Date Analyzed: 03/23/06 01:01

QC Report No: JC10-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	1,400
129-00-0	Pyrene	59	1,500
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	770
117-81-7	bis (2-Ethylhexyl) phthalate	59	170
218-01-9	Chrysene	59	920
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	1,000
207-08-9	Benzo (k) fluoranthene	59	980
50-32-8	Benzo (a) pyrene	59	700
193-39-5	Indeno (1,2,3-cd) pyrene	59	170
53-70-3	Dibenz (a, h) anthracene	59	43 J
191-24-2	Benzo (g, h, i) perylene	59	140
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	57.6%	2-Fluorobiphenyl	47.2%
d14-p-Terphenyl	41.8%	d4-1,2-Dichlorobenzene	41.9%
d5-Phenol	52.2%	2-Fluorophenol	43.4%
2,4,6-Tribromophenol	39.5%	d4-2-Chlorophenol	44.2%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC46-0-1  
 SAMPLE

Lab Sample ID: JC42Z  
 LIMS ID: 06-3841  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/19/06 13:19  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 42.5%  
 pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>60</b>	<b>60</b>
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>60</b>	<b>35 J</b>
99-09-2	3-Nitroaniline	300	< 300 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>60</b>	<b>96</b>
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>60</b>	<b>92</b>
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>60</b>	<b>150</b>
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>60</b>	<b>1,400</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>60</b>	<b>360</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC46-0-1  
SAMPLE

Lab Sample ID: JC42Z  
LIMS ID: 06-3841  
Matrix: Sediment  
Date Analyzed: 03/19/06 13:19

QC Report No: JC42-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	3,900
129-00-0	Pyrene	60	2,300
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	940
117-81-7	bis (2-Ethylhexyl)phthalate	60	250
218-01-9	Chrysene	60	1,100
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	750
207-08-9	Benzo (k) fluoranthene	60	640
50-32-8	Benzo (a) pyrene	60	570
193-39-5	Indeno (1,2,3-cd)pyrene	60	140
53-70-3	Dibenz (a, h) anthracene	60	32 J
191-24-2	Benzo (g, h, i) perylene	60	98
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	60.0%	2-Fluorobiphenyl	56.9%
d14-p-Terphenyl	46.2%	d4-1,2-Dichlorobenzene	46.9%
d5-Phenol	63.6%	2-Fluorophenol	53.6%
2,4,6-Tribromophenol	58.2%	d4-2-Chlorophenol	56.3%

Lab Sample ID: JC42AA  
 LIMS ID: 06-3842  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/19/06 13:52  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 5.00  
 Percent Moisture: 40.2%  
 pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	< 99 U
111-44-4	Bis-(2-Chloroethyl) Ether	99	< 99 U
95-57-8	2-Chlorophenol	99	< 99 U
541-73-1	1,3-Dichlorobenzene	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
67-72-1	Hexachloroethane	99	< 99 U
98-95-3	Nitrobenzene	99	< 99 U
78-59-1	Isophorone	99	< 99 U
88-75-5	2-Nitrophenol	490	< 490 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>99</b>	<b>370</b>
106-47-8	4-Chloroaniline	490	< 490 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	99	< 99 U
77-47-4	Hexachlorocyclopentadiene	490	< 490 U
88-06-2	2,4,6-Trichlorophenol	490	< 490 U
95-95-4	2,4,5-Trichlorophenol	490	< 490 U
91-58-7	2-Chloronaphthalene	99	< 99 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	99	< 99 U
<b>208-96-8</b>	<b>Acenaphthylene</b>	<b>99</b>	<b>64 J</b>
99-09-2	3-Nitroaniline	490	< 490 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>99</b>	<b>63 J</b>
51-28-5	2,4-Dinitrophenol	990	< 990 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	99	< 99 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	99	< 99 U
7005-72-3	4-Chlorophenyl-phenylether	99	< 99 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>99</b>	<b>67 J</b>
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	990	< 990 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>99</b>	<b>380</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>99</b>	<b>350</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC46-1-2  
**SAMPLE**

Lab Sample ID: JC42AA  
 LIMS ID: 06-3842  
 Matrix: Sediment  
 Date Analyzed: 03/19/06 13:52

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	2,900
129-00-0	Pyrene	99	4,900
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	99	1,200
117-81-7	bis (2-Ethylhexyl) phthalate	99	220
218-01-9	Chrysene	99	1,500
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo (b) fluoranthene	99	1,100
207-08-9	Benzo (k) fluoranthene	99	970
50-32-8	Benzo (a) pyrene	99	780
193-39-5	Indeno (1,2,3-cd) pyrene	99	190
53-70-3	Dibenz (a, h) anthracene	99	< 99 U
191-24-2	Benzo (g, h, i) perylene	99	120
62-53-3	Aniline	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	54.2%	2-Fluorobiphenyl	48.6%
d14-p-Terphenyl	39.0%	d4-1,2-Dichlorobenzene	41.6%
d5-Phenol	52.7%	2-Fluorophenol	45.2%
2,4,6-Tribromophenol	49.9%	d4-2-Chlorophenol	46.8%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC46-2-4  
 SAMPLE

Lab Sample ID: JC42AB  
 LIMS ID: 06-3843  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/21/06 10:42  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 44.2%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	<b>Phenol</b>	60	61
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	<b>Naphthalene</b>	60	380
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	<b>Acenaphthylene</b>	60	58 J
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	<b>Acenaphthene</b>	60	60
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	<b>Fluorene</b>	60	64
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	<b>Phenanthrene</b>	60	360
120-12-7	<b>Anthracene</b>	60	320

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC46-2-4  
 SAMPLE

Lab Sample ID: JC42AB  
 LIMS ID: 06-3843  
 Matrix: Sediment  
 Date Analyzed: 03/21/06 10:42

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	3,000
129-00-0	Pyrene	60	4,400
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	1,200
117-81-7	bis (2-Ethylhexyl)phthalate	60	200
218-01-9	Chrysene	60	1,500
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	970
207-08-9	Benzo (k) fluoranthene	60	880
50-32-8	Benzo (a) pyrene	60	730
193-39-5	Indeno (1,2,3-cd) pyrene	60	300
53-70-3	Dibenz (a, h) anthracene	60	71
191-24-2	Benzo (g, h, i) perylene	60	210
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	54.4%	2-Fluorobiphenyl	48.7%
d14-p-Terphenyl	35.2%	d4-1,2-Dichlorobenzene	40.6%
d5-Phenol	53.0%	2-Fluorophenol	47.9%
2,4,6-Tribromophenol	41.1%	d4-2-Chlorophenol	47.8%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC47-0-1  
**SAMPLE**

Lab Sample ID: JC32AI  
 LIMS ID: 06-3715  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/28/06

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/23/06  
 Date Received: 02/23/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/26/06 05:48  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 30.9%  
 pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	< 59 U
120-12-7	Anthracene	59	< 59 U

Sample ID: LDW-SC47-0-1  
 SAMPLE

Lab Sample ID: JC32AI  
 LIMS ID: 06-3715  
 Matrix: Sediment  
 Date Analyzed: 03/26/06 05:48

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	53 J
129-00-0	Pyrene	59	61
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo(a)anthracene	59	< 59 U
117-81-7	bis(2-Ethylhexyl)phthalate	59	43 J
218-01-9	Chrysene	59	50 J
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo(b)fluoranthene	59	79
207-08-9	Benzo(k)fluoranthene	59	53 J
50-32-8	Benzo(a)pyrene	59	< 59 U
193-39-5	Indeno(1,2,3-cd)pyrene	59	< 59 U
53-70-3	Dibenz(a,h)anthracene	59	< 59 U
191-24-2	Benzo(g,h,i)perylene	59	< 59 U
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	61.0%	2-Fluorobiphenyl	65.0%
d14-p-Terphenyl	57.2%	d4-1,2-Dichlorobenzene	56.2%
d5-Phenol	54.7%	2-Fluorophenol	52.2%
2,4,6-Tribromophenol	59.6%	d4-2-Chlorophenol	56.1%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC47-1-2  
SAMPLE

Lab Sample ID: JC32AJ

LIMS ID: 06-3716

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/28/06

QC Report No: JC32-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/23/06

Date Received: 02/23/06

Date Extracted: 03/07/06

Date Analyzed: 03/26/06 06:21

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 37.6%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	49 J
120-12-7	Anthracene	59	< 59 U

Sample ID: LDW-SC47-1-2  
 SAMPLE

Lab Sample ID: JC32AJ  
 LIMS ID: 06-3716  
 Matrix: Sediment  
 Date Analyzed: 03/26/06 06:21

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	140
206-44-0	Fluoranthene	59	88
129-00-0	Pyrene	59	100
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	36 J
117-81-7	bis (2-Ethylhexyl) phthalate	59	180
218-01-9	Chrysene	59	43 J
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	67
207-08-9	Benzo (k) fluoranthene	59	47 J
50-32-8	Benzo (a) pyrene	59	44 J
193-39-5	Indeno (1,2,3-cd) pyrene	59	< 59 U
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	< 59 U
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.8%	2-Fluorobiphenyl	72.5%
d14-p-Terphenyl	63.7%	d4-1,2-Dichlorobenzene	57.5%
d5-Phenol	57.4%	2-Fluorophenol	55.1%
2,4,6-Tribromophenol	58.2%	d4-2-Chlorophenol	59.5%

Sample ID: LDW-SC47-2-3  
SAMPLE

Lab Sample ID: JC32AK  
LIMS ID: 06-3717  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/28/06

QC Report No: JC32-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/23/06  
Date Received: 02/23/06

Date Extracted: 03/07/06  
Date Analyzed: 03/27/06 11:59  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 5.00  
Percent Moisture: 27.9%  
pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	< 99 U
111-44-4	Bis-(2-Chloroethyl) Ether	99	< 99 U
95-57-8	2-Chlorophenol	99	< 99 U
541-73-1	1,3-Dichlorobenzene	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
67-72-1	Hexachloroethane	99	< 99 U
98-95-3	Nitrobenzene	99	< 99 U
78-59-1	Isophorone	99	< 99 U
88-75-5	2-Nitrophenol	500	< 500 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	500	< 500 U
59-50-7	4-Chloro-3-methylphenol	500	< 500 U
91-57-6	2-Methylnaphthalene	99	< 99 U
77-47-4	Hexachlorocyclopentadiene	500	< 500 U
88-06-2	2,4,6-Trichlorophenol	500	< 500 U
95-95-4	2,4,5-Trichlorophenol	500	< 500 U
91-58-7	2-Chloronaphthalene	99	< 99 U
88-74-4	2-Nitroaniline	500	< 500 U
131-11-3	Dimethylphthalate	99	< 99 U
208-96-8	Acenaphthylene	99	< 99 U
99-09-2	3-Nitroaniline	500	< 500 U
83-32-9	Acenaphthene	99	< 99 U
51-28-5	2,4-Dinitrophenol	990	< 990 U
100-02-7	4-Nitrophenol	500	< 500 U
132-64-9	Dibenzofuran	99	< 99 U
606-20-2	2,6-Dinitrotoluene	500	< 500 U
121-14-2	2,4-Dinitrotoluene	500	< 500 U
84-66-2	Diethylphthalate	99	< 99 U
7005-72-3	4-Chlorophenyl-phenylether	99	< 99 U
86-73-7	Fluorene	99	< 99 U
100-01-6	4-Nitroaniline	500	< 500 U
534-52-1	4,6-Dinitro-2-Methylphenol	990	< 990 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
85-01-8	Phenanthrene	99	< 99 U
120-12-7	Anthracene	99	< 99 U

Lab Sample ID: JC32AK  
 LIMS ID: 06-3717  
 Matrix: Sediment  
 Date Analyzed: 03/27/06 11:59

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	99	52 J
206-44-0	Fluoranthene	99	63 J
129-00-0	Pyrene	99	94 J
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo(a)anthracene	99	< 99 U
117-81-7	bis(2-Ethylhexyl)phthalate	99	350
218-01-9	Chrysene	99	< 99 U
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo(b)fluoranthene	99	< 99 U
207-08-9	Benzo(k)fluoranthene	99	< 99 U
50-32-8	Benzo(a)pyrene	99	< 99 U
193-39-5	Indeno(1,2,3-cd)pyrene	99	< 99 U
53-70-3	Dibenz(a,h)anthracene	99	< 99 U
191-24-2	Benzo(g,h,i)perylene	99	< 99 U
62-53-3	Aniline	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	93.4%	2-Fluorobiphenyl	111%
d14-p-Terphenyl	95.4%	d4-1,2-Dichlorobenzene	92.4%
d5-Phenol	92.7%	2-Fluorophenol	81.5%
2,4,6-Tribromophenol	84.4%	d4-2-Chlorophenol	96.7%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC47-3-4**  
**SAMPLE**

Lab Sample ID: JC32AL  
 LIMS ID: 06-3718  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/28/06

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/23/06  
 Date Received: 02/23/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/27/06 12:32  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 18.5%  
 pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

Lab Sample ID: JC32AL  
 LIMS ID: 06-3718  
 Matrix: Sediment  
 Date Analyzed: 03/27/06 12:32

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo(a)anthracene	20	< 20 U
<b>117-81-7</b>	<b>bis(2-Ethylhexyl)phthalate</b>	<b>20</b>	<b>17 J</b>
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	55.6%	2-Fluorobiphenyl	64.4%
d14-p-Terphenyl	64.4%	d4-1,2-Dichlorobenzene	58.8%
d5-Phenol	57.6%	2-Fluorophenol	46.9%
2,4,6-Tribromophenol	56.0%	d4-2-Chlorophenol	58.9%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC48-0-1**  
**SAMPLE**

Lab Sample ID: JB90C  
 LIMS ID: 06-3303  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/10/06

QC Report No: JB90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/08/06  
 Date Received: 02/08/06

Date Extracted: 02/21/06  
 Date Analyzed: 03/06/06 16:29  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.5 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 25.3%  
 pH: 6.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>18 J</b>
120-12-7	Anthracene	20	< 20 U

Sample ID: LDW-SC48-0-1  
 SAMPLE

Lab Sample ID: JB90C  
 LIMS ID: 06-3303  
 Matrix: Sediment  
 Date Analyzed: 03/06/06 16:29

QC Report No: JB90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	12 J
206-44-0	Fluoranthene	20	120
129-00-0	Pyrene	20	73
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	28
117-81-7	bis (2-Ethylhexyl) phthalate	20	61
218-01-9	Chrysene	20	36
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	37
207-08-9	Benzo (k) fluoranthene	20	32
50-32-8	Benzo (a) pyrene	20	25
193-39-5	Indeno (1, 2, 3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	58.4%	2-Fluorobiphenyl	59.2%
d14-p-Terphenyl	61.2%	d4-1,2-Dichlorobenzene	53.6%
d5-Phenol	62.9%	2-Fluorophenol	61.1%
2,4,6-Tribromophenol	73.1%	d4-2-Chlorophenol	61.9%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC48-1-2**  
**SAMPLE**

Lab Sample ID: JB90D  
 LIMS ID: 06-3304  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/10/06

QC Report No: JB90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/08/06  
 Date Received: 02/08/06

Date Extracted: 02/21/06  
 Date Analyzed: 03/06/06 17:03  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 23.4%  
 pH: 6.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

Lab Sample ID: JB90D  
 LIMS ID: 06-3304  
 Matrix: Sediment  
 Date Analyzed: 03/06/06 17:03

QC Report No: JB90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	11 J
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	56.4%	2-Fluorobiphenyl	56.0%
d14-p-Terphenyl	58.8%	d4-1,2-Dichlorobenzene	50.8%
d5-Phenol	51.7%	2-Fluorophenol	27.7%
2,4,6-Tribromophenol	48.3%	d4-2-Chlorophenol	38.7%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC48-2-4

SAMPLE

Lab Sample ID: JB90E

LIMS ID: 06-3305

Matrix: Sediment

Data Release Authorized:

Reported: 03/10/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Date Extracted: 02/21/06

Date Analyzed: 03/06/06 17:37

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 21.9%

pH: 6.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	< 19 U
111-44-4	Bis-(2-Chloroethyl) Ether	19	< 19 U
95-57-8	2-Chlorophenol	19	< 19 U
541-73-1	1,3-Dichlorobenzene	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
67-72-1	Hexachloroethane	19	< 19 U
98-95-3	Nitrobenzene	19	< 19 U
78-59-1	Isophorone	19	< 19 U
88-75-5	2-Nitrophenol	97	< 97 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	97	< 97 U
91-57-6	2-Methylnaphthalene	19	< 19 U
77-47-4	Hexachlorocyclopentadiene	97	< 97 U
88-06-2	2,4,6-Trichlorophenol	97	< 97 U
95-95-4	2,4,5-Trichlorophenol	97	< 97 U
91-58-7	2-Chloronaphthalene	19	< 19 U
88-74-4	2-Nitroaniline	97	< 97 U
131-11-3	Dimethylphthalate	19	< 19 U
208-96-8	Acenaphthylene	19	< 19 U
99-09-2	3-Nitroaniline	97	< 97 U
83-32-9	Acenaphthene	19	< 19 U
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	97	< 97 U
132-64-9	Dibenzofuran	19	< 19 U
606-20-2	2,6-Dinitrotoluene	97	< 97 U
121-14-2	2,4-Dinitrotoluene	97	< 97 U
84-66-2	Diethylphthalate	19	< 19 U
7005-72-3	4-Chlorophenyl-phenylether	19	< 19 U
86-73-7	Fluorene	19	< 19 U
100-01-6	4-Nitroaniline	97	< 97 U
534-52-1	4,6-Dinitro-2-Methylphenol	190	< 190 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
85-01-8	Phenanthrene	19	< 19 U
120-12-7	Anthracene	19	< 19 U

Sample ID: LDW-SC48-2-4  
 SAMPLE

Lab Sample ID: JB90E  
 LIMS ID: 06-3305  
 Matrix: Sediment  
 Date Analyzed: 03/06/06 17:37

QC Report No: JB90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	< 19 U
129-00-0	Pyrene	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	< 19 U
117-81-7	bis (2-Ethylhexyl) phthalate	19	< 19 U
218-01-9	Chrysene	19	< 19 U
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	< 19 U
207-08-9	Benzo (k) fluoranthene	19	< 19 U
50-32-8	Benzo (a) pyrene	19	< 19 U
193-39-5	Indeno (1,2,3-cd) pyrene	19	< 19 U
53-70-3	Dibenz (a,h) anthracene	19	< 19 U
191-24-2	Benzo (g,h,i) perylene	19	< 19 U
62-53-3	Aniline	19	< 19 U
90-12-0	1-Methylnaphthalene	19	< 19 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	55.2%	2-Fluorobiphenyl	54.4%
d14-p-Terphenyl	54.8%	d4-1,2-Dichlorobenzene	48.0%
d5-Phenol	57.3%	2-Fluorophenol	54.7%
2,4,6-Tribromophenol	57.9%	d4-2-Chlorophenol	56.3%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC49-0-1  
SAMPLE

Lab Sample ID: JA36F  
LIMS ID: 06-1917  
Matrix: Sediment  
Data Release Authorized: UTS  
Reported: 04/26/06

QC Report No: JA36-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chemistry  
05-08-06-32  
Date Sampled: 02/06/06  
Date Received: 02/06/06

Date Extracted: 02/15/06  
Date Analyzed: 02/18/06 00:22  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 1.00  
Percent Moisture: 48.6%  
pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	40	130
111-44-4	Bis-(2-Chloroethyl) Ether	40	< 40 U
95-57-8	2-Chlorophenol	40	< 40 U
541-73-1	1,3-Dichlorobenzene	40	< 40 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	< 40 U
106-44-5	4-Methylphenol	40	< 40 U
67-72-1	Hexachloroethane	40	< 40 U
98-95-3	Nitrobenzene	40	< 40 U
78-59-1	Isophorone	40	< 40 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	40	< 40 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	40	< 40 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	40	< 40 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	40	< 40 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	40	< 40 U
208-96-8	Acenaphthylene	40	< 40 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	40	< 40 U
51-28-5	2,4-Dinitrophenol	400	< 400 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	40	< 40 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	40	260 B
7005-72-3	4-Chlorophenyl-phenylether	40	< 40 U
86-73-7	Fluorene	40	< 40 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	400	< 400 U
101-55-3	4-Bromophenyl-phenylether	40	< 40 U
85-01-8	Phenanthrene	40	99
120-12-7	Anthracene	40	< 40 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC49-0-1

SAMPLE

Lab Sample ID: JA36F

LIMS ID: 06-1917

Matrix: Sediment

Date Analyzed: 02/18/06 00:22

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Suburface Sediment Chemistry

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	40	55 B
206-44-0	Fluoranthene	40	260 B
129-00-0	Pyrene	40	240 B
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	40	93 B
117-81-7	bis (2-Ethylhexyl) phthalate	40	220 B
218-01-9	Chrysene	40	120 B
117-84-0	Di-n-Octyl phthalate	40	< 40 U
205-99-2	Benzo (b) fluoranthene	40	170 B
207-08-9	Benzo (k) fluoranthene	40	160 B
50-32-8	Benzo (a) pyrene	40	100 B
193-39-5	Indeno (1,2,3-cd) pyrene	40	< 40 U
53-70-3	Dibenz (a,h) anthracene	40	< 40 U
191-24-2	Benzo (g,h,i) perylene	40	< 40 U
62-53-3	Aniline	40	< 40 U
90-12-0	1-Methylnaphthalene	40	< 40 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	64.6%	2-Fluorobiphenyl	63.9%
d14-p-Terphenyl	62.9%	d4-1,2-Dichlorobenzene	54.8%
d5-Phenol	65.6%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	58.7%	d4-2-Chlorophenol	66.7%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC49-0-1

REANALYSIS

Lab Sample ID: JA36F

LIMS ID: 06-1917

Matrix: Sediment

Data Release Authorized: VTS

Reported: 04/26/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Date Extracted: 02/15/06

Date Analyzed: 02/20/06 17:42

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 48.6%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	40	110
111-44-4	Bis-(2-Chloroethyl) Ether	40	< 40 U
95-57-8	2-Chlorophenol	40	< 40 U
541-73-1	1,3-Dichlorobenzene	40	< 40 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	< 40 U
106-44-5	4-Methylphenol	40	< 40 U
67-72-1	Hexachloroethane	40	< 40 U
98-95-3	Nitrobenzene	40	< 40 U
78-59-1	Isophorone	40	< 40 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	40	< 40 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	40	< 40 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	40	< 40 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	40	< 40 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	40	< 40 U
208-96-8	Acenaphthylene	40	< 40 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	40	< 40 U
51-28-5	2,4-Dinitrophenol	400	< 400 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	40	< 40 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	40	< 40 U
7005-72-3	4-Chlorophenyl-phenylether	40	< 40 U
86-73-7	Fluorene	40	< 40 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	400	< 400 U
101-55-3	4-Bromophenyl-phenylether	40	< 40 U
85-01-8	Phenanthrene	40	93 B
120-12-7	Anthracene	40	< 40 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC49-0-1

REANALYSIS

Lab Sample ID: JA36F

LIMS ID: 06-1917

Matrix: Sediment

Date Analyzed: 02/20/06 17:42

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	40	52 B
206-44-0	Fluoranthene	40	250 B
129-00-0	Pyrene	40	280 B
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo(a)anthracene	40	95 B
117-81-7	bis(2-Ethylhexyl)phthalate	40	230 B
218-01-9	Chrysene	40	120 B
117-84-0	Di-n-Octyl phthalate	40	< 40 U
205-99-2	Benzo(b)fluoranthene	40	200 B
207-08-9	Benzo(k)fluoranthene	40	180 B
50-32-8	Benzo(a)pyrene	40	110 B
193-39-5	Indeno(1,2,3-cd)pyrene	40	45
53-70-3	Dibenz(a,h)anthracene	40	< 40 U
191-24-2	Benzo(g,h,i)perylene	40	54
62-53-3	Aniline	40	< 40 U
90-12-0	1-Methylnaphthalene	40	< 40 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	64.4%	2-Fluorobiphenyl	63.0%
d14-p-Terphenyl	74.3%	d4-1,2-Dichlorobenzene	57.8%
d5-Phenol	62.4%	2-Fluorophenol	64.5%
2,4,6-Tribromophenol	64.0%	d4-2-Chlorophenol	64.5%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC49-1-2

SAMPLE

Lab Sample ID: JA36G

LIMS ID: 06-1918

Matrix: Sediment

Data Release Authorized: **VTS**

Reported: 04/26/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Date Extracted: 02/15/06

Date Analyzed: 02/18/06 00:55

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 43.1%

pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	40	< 40 U
111-44-4	Bis-(2-Chloroethyl) Ether	40	< 40 U
95-57-8	2-Chlorophenol	40	< 40 U
541-73-1	1,3-Dichlorobenzene	40	< 40 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	< 40 U
106-44-5	4-Methylphenol	40	< 40 U
67-72-1	Hexachloroethane	40	< 40 U
98-95-3	Nitrobenzene	40	< 40 U
78-59-1	Isophorone	40	< 40 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	40	< 40 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	40	< 40 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	40	< 40 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	40	< 40 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	40	< 40 U
208-96-8	Acenaphthylene	40	< 40 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	40	< 40 U
51-28-5	2,4-Dinitrophenol	400	< 400 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	40	< 40 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	40	< 40 U
7005-72-3	4-Chlorophenyl-phenylether	40	< 40 U
86-73-7	Fluorene	40	< 40 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	400	< 400 U
101-55-3	4-Bromophenyl-phenylether	40	< 40 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>40</b>	<b>83</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>40</b>	<b>56</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC49-1-2

**SAMPLE**

Lab Sample ID: JA36G

LIMS ID: 06-1918

Matrix: Sediment

Date Analyzed: 02/18/06 00:55

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	40	< 40 U
206-44-0	Fluoranthene	40	260 B
129-00-0	Pyrene	40	550 B
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	40	160 B
117-81-7	bis (2-Ethylhexyl) phthalate	40	210 B
218-01-9	Chrysene	40	260 B
117-84-0	Di-n-Octyl phthalate	40	< 40 U
205-99-2	Benzo (b) fluoranthene	40	310 B
207-08-9	Benzo (k) fluoranthene	40	280 B
50-32-8	Benzo (a) pyrene	40	180 B
193-39-5	Indeno (1,2,3-cd) pyrene	40	< 40 U
53-70-3	Dibenz (a,h) anthracene	40	< 40 U
191-24-2	Benzo (g,h,i) perylene	40	45
62-53-3	Aniline	40	< 40 U
90-12-0	1-Methylnaphthalene	40	< 40 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	49.2%	2-Fluorobiphenyl	56.3%
d14-p-Terphenyl	54.1%	d4-1,2-Dichlorobenzene	39.9%
d5-Phenol	55.5%	2-Fluorophenol	48.1%
2,4,6-Tribromophenol	56.5%	d4-2-Chlorophenol	53.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC49-2-4

**SAMPLE**

Lab Sample ID: JA36H

LIMS ID: 06-1919

Matrix: Sediment

Data Release Authorized: **VTS**

Reported: 04/26/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Date Extracted: 02/15/06

Date Analyzed: 02/18/06 01:27

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 40.4%

pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	22
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	76
120-12-7	Anthracene	20	24

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC49-2-4  
SAMPLE

Lab Sample ID: JA36H  
LIMS ID: 06-1919  
Matrix: Sediment  
Date Analyzed: 02/18/06 01:27

QC Report No: JA36-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chemistry  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	27 B
206-44-0	Fluoranthene	20	200 B
129-00-0	Pyrene	20	220 B
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	64 B
117-81-7	bis (2-Ethylhexyl) phthalate	20	210 B
218-01-9	Chrysene	20	83 B
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	110 B
207-08-9	Benzo (k) fluoranthene	20	100 B
50-32-8	Benzo (a) pyrene	20	86 B
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U


Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	58.0%	2-Fluorobiphenyl	60.8%
d14-p-Terphenyl	58.0%	d4-1,2-Dichlorobenzene	50.0%
d5-Phenol	58.9%	2-Fluorophenol	57.3%
2,4,6-Tribromophenol	57.3%	d4-2-Chlorophenol	60.3%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC50-0-1**  
**SAMPLE**

Lab Sample ID: JC42L  
 LIMS ID: 06-3827  
 Matrix: Sediment  
 Data Release Authorized:   
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/19/06 11:05  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 27.2%  
 pH: 8.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	42 J
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	<b>2-Methylnaphthalene</b>	60	56 J
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	<b>Acenaphthene</b>	60	41 J
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	<b>Fluorene</b>	60	41 J
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	<b>Phenanthrene</b>	60	420
120-12-7	<b>Anthracene</b>	60	100

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC50-0-1  
 SAMPLE

Lab Sample ID: JC42L  
 LIMS ID: 06-3827  
 Matrix: Sediment  
 Date Analyzed: 03/19/06 11:05

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	770
129-00-0	Pyrene	60	500
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	280
117-81-7	bis (2-Ethylhexyl) phthalate	60	680
218-01-9	Chrysene	60	330
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	230
207-08-9	Benzo (k) fluoranthene	60	260
50-32-8	Benzo (a) pyrene	60	260
193-39-5	Indeno (1,2,3-cd) pyrene	60	100
53-70-3	Dibenz (a, h) anthracene	60	< 60 U
191-24-2	Benzo (g, h, i) perylene	60	75
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	57.8%	2-Fluorobiphenyl	53.8%
d14-p-Terphenyl	43.6%	d4-1,2-Dichlorobenzene	46.4%
d5-Phenol	56.7%	2-Fluorophenol	53.0%
2,4,6-Tribromophenol	51.0%	d4-2-Chlorophenol	52.0%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC50-1-2  
 SAMPLE

Lab Sample ID: JC42M  
 LIMS ID: 06-3828  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/19/06 11:39  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 24.9%  
 pH: 8.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
85-01-8	Phenanthrene	59	96
120-12-7	Anthracene	59	46 J

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC50-1-2  
 SAMPLE

Lab Sample ID: JC42M  
 LIMS ID: 06-3828  
 Matrix: Sediment  
 Date Analyzed: 03/19/06 11:39

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	200
129-00-0	Pyrene	59	140
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	59	140
117-81-7	bis(2-Ethylhexyl)phthalate	59	64
218-01-9	Chrysene	59	160
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo(b)fluoranthene	59	88
207-08-9	Benzo(k)fluoranthene	59	110
50-32-8	Benzo(a)pyrene	59	92
193-39-5	Indeno(1,2,3-cd)pyrene	59	35 J
53-70-3	Dibenz(a,h)anthracene	59	< 59 U
191-24-2	Benzo(g,h,i)perylene	59	< 59 U
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	48.4%	2-Fluorobiphenyl	45.5%
d14-p-Terphenyl	34.0%	d4-1,2-Dichlorobenzene	37.7%
d5-Phenol	46.4%	2-Fluorophenol	45.0%
2,4,6-Tribromophenol	42.7%	d4-2-Chlorophenol	41.4%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC50-2-2.8**  
**SAMPLE**

Lab Sample ID: JC42N  
 LIMS ID: 06-3829  
 Matrix: Sediment  
 Data Release Authorized: *[Signature]*  
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/21/06 11:15  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 25.9%  
 pH: 8.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	13 J
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	20
120-12-7	Anthracene	20	< 20 U

Sample ID: LDW-SC50-2-2.8  
 SAMPLE

Lab Sample ID: JC42N  
 LIMS ID: 06-3829  
 Matrix: Sediment  
 Date Analyzed: 03/21/06 11:15

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	23 B
206-44-0	Fluoranthene	20	40
129-00-0	Pyrene	20	28
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	12 J
117-81-7	bis (2-Ethylhexyl)phthalate	20	63
218-01-9	Chrysene	20	14 J
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	11 J
207-08-9	Benzo (k) fluoranthene	20	10 J
50-32-8	Benzo (a) pyrene	20	< 20 U
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	93.2%	2-Fluorobiphenyl	87.2%
d14-p-Terphenyl	68.4%	d4-1,2-Dichlorobenzene	73.6%
d5-Phenol	96.0%	2-Fluorophenol	84.8%
2,4,6-Tribromophenol	82.7%	d4-2-Chlorophenol	85.6%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC50-2.8-4  
**SAMPLE**

Lab Sample ID: JC420  
 LIMS ID: 06-3830  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/22/06

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/24/06  
 Date Received: 02/24/06

Date Extracted: 03/09/06  
 Date Analyzed: 03/19/06 12:46  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 15.0%  
 pH: 8.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	13 J
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC50-2.8-4  
 SAMPLE

Lab Sample ID: JC420  
 LIMS ID: 06-3830  
 Matrix: Sediment  
 Date Analyzed: 03/19/06 12:46

QC Report No: JC42-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
<b>206-44-0</b>	<b>Fluoranthene</b>	<b>20</b>	<b>14 J</b>
<b>129-00-0</b>	<b>Pyrene</b>	<b>20</b>	<b>11 J</b>
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	< 20 U
117-81-7	bis (2-Ethylhexyl) phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	< 20 U
207-08-9	Benzo (k) fluoranthene	20	< 20 U
50-32-8	Benzo (a) pyrene	20	< 20 U
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	63.6%	2-Fluorobiphenyl	58.0%
d14-p-Terphenyl	56.0%	d4-1,2-Dichlorobenzene	51.6%
d5-Phenol	63.2%	2-Fluorophenol	60.3%
2,4,6-Tribromophenol	58.4%	d4-2-Chlorophenol	58.1%

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC51-0-2  
SAMPLE

Lab Sample ID: JC21R  
LIMS ID: 06-3590  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/20/06

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/22/06  
Date Received: 02/22/06

Date Extracted: 03/07/06  
Date Analyzed: 03/16/06 20:39  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt  
Final Extract Volume: 1.0 mL  
Dilution Factor: 3.00  
Percent Moisture: 30.3%  
pH: 8.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>60</b>	<b>56 J</b>
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>60</b>	<b>380</b>
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>60</b>	<b>230</b>
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>60</b>	<b>150</b>
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>60</b>	<b>910</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>60</b>	<b>200</b>

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC51-0-2  
**SAMPLE**

Lab Sample ID: JC21R  
 LIMS ID: 06-3590  
 Matrix: Sediment  
 Date Analyzed: 03/16/06 20:39

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	69 B
206-44-0	Fluoranthene	60	2,100
129-00-0	Pyrene	60	1,200
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	540
117-81-7	bis (2-Ethylhexyl) phthalate	60	480
218-01-9	Chrysene	60	590
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	520
207-08-9	Benzo (k) fluoranthene	60	480
50-32-8	Benzo (a) pyrene	60	490
193-39-5	Indeno (1,2,3-cd) pyrene	60	220
53-70-3	Dibenz (a,h) anthracene	60	49 J
191-24-2	Benzo (g,h,i) perylene	60	160
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	71.4%	2-Fluorobiphenyl	61.8%
d14-p-Terphenyl	54.4%	d4-1,2-Dichlorobenzene	57.0%
d5-Phenol	63.8%	2-Fluorophenol	63.4%
2,4,6-Tribromophenol	65.0%	d4-2-Chlorophenol	61.6%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC51-0-0.5  
 SAMPLE

Lab Sample ID: JL34H  
 LIMS ID: 06-9416  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 06/26/06

QC Report No: JL34-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/22/06  
 Date Received: 02/22/06

Date Extracted: 06/12/06  
 Date Analyzed: 06/23/06 15:47  
 Instrument/Analyst: NT2/LJR  
 GPC Cleanup: Yes

Sample Amount: 32.8 g-dry-wt  
 Final Extract Volume: 2.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 29.6%  
 pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	96 B
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	300	< 300 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	<b>Naphthalene</b>	61	230
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	<b>2-Methylnaphthalene</b>	61	79
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	Acenaphthylene	61	< 61 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	<b>Acenaphthene</b>	61	350
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	<b>Dibenzofuran</b>	61	230
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
86-73-7	<b>Fluorene</b>	61	320
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
85-01-8	<b>Phenanthrene</b>	61	2,300

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC51-0-0.5  
SAMPLE

Lab Sample ID: JL34H  
LIMS ID: 06-9416  
Matrix: Sediment  
Date Analyzed: 06/23/06 15:47

QC Report No: JL34-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	61	540
84-74-2	Di-n-Butylphthalate	61	44 J
206-44-0	Fluoranthene	61	4,000
129-00-0	Pyrene	61	2,600
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	61	1,600
117-81-7	bis (2-Ethylhexyl) phthalate	61	970
218-01-9	Chrysene	61	1,900
117-84-0	Di-n-Octyl phthalate	61	< 61 U
205-99-2	Benzo (b) fluoranthene	61	1,600
207-08-9	Benzo (k) fluoranthene	61	1,400
50-32-8	Benzo (a) pyrene	61	1,600
193-39-5	Indeno (1,2,3-cd) pyrene	61	690
191-24-2	Benzo (g, h, i) perylene	61	590
62-53-3	Aniline	61	< 61 U
90-12-0	1-Methylnaphthalene	61	< 61 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	67.6%	2-Fluorobiphenyl	73.2%
d14-p-Terphenyl	62.4%	d4-1,2-Dichlorobenzene	68.4%
d5-Phenol	71.2%	2-Fluorophenol	62.4%
2,4,6-Tribromophenol	69.9%	d4-2-Chlorophenol	70.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC51-0.5-1

SAMPLE

Lab Sample ID: JL34I

LIMS ID: 06-9417

Matrix: Sediment

Data Release Authorized: *MS*

Reported: 06/26/06

QC Report No: JL34-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 16:21

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 33.1 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 18.0%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
65-85-0	Benzoic Acid	600	< 600 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>60</b>	<b>54 J</b>
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>60</b>	<b>180</b>
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>60</b>	<b>89</b>
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>60</b>	<b>110</b>
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>60</b>	<b>840</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC51-0.5-1  
SAMPLE

Lab Sample ID: JL34I  
LIMS ID: 06-9417  
Matrix: Sediment  
Date Analyzed: 06/23/06 16:21

QC Report No: JL34-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	60	160
84-74-2	Di-n-Butylphthalate	60	51 J
206-44-0	Fluoranthene	60	1,200
129-00-0	Pyrene	60	900
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	410
117-81-7	bis (2-Ethylhexyl) phthalate	60	1,800
218-01-9	Chrysene	60	490
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	410
207-08-9	Benzo (k) fluoranthene	60	360
50-32-8	Benzo (a) pyrene	60	390
193-39-5	Indeno (1,2,3-cd) pyrene	60	160
191-24-2	Benzo (g, h, i) perylene	60	130
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	67.6%	2-Fluorobiphenyl	72.8%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	68.4%
d5-Phenol	70.9%	2-Fluorophenol	61.1%
2,4,6-Tribromophenol	70.9%	d4-2-Chlorophenol	70.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC51-1-1.5

SAMPLE

Lab Sample ID: JL34J

LIMS ID: 06-9418

Matrix: Sediment

Data Release Authorized: *RB*

Reported: 06/26/06

QC Report No: JL34-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 16:55

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.3 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 19.7%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>62</b>	<b>250</b>
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>62</b>	<b>130</b>
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>62</b>	<b>120</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC51-1-1.5

SAMPLE

Lab Sample ID: JL34J

LIMS ID: 06-9418

Matrix: Sediment

Date Analyzed: 06/23/06 16:55

QC Report No: JL34-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	59 J
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	720
129-00-0	Pyrene	62	400
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	130
117-81-7	bis (2-Ethylhexyl) phthalate	62	< 62 U
218-01-9	Chrysene	62	120
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	87
207-08-9	Benzo (k) fluoranthene	62	54 J
50-32-8	Benzo (a) pyrene	62	50 J
193-39-5	Indeno (1,2,3-cd) pyrene	62	< 62 U
191-24-2	Benzo (g,h,i) perylene	62	< 62 U
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	67.6%	2-Fluorobiphenyl	73.2%
d14-p-Terphenyl	69.6%	d4-1,2-Dichlorobenzene	69.2%
d5-Phenol	70.9%	2-Fluorophenol	63.2%
2,4,6-Tribromophenol	72.0%	d4-2-Chlorophenol	69.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC51-1.5-2

SAMPLE

Lab Sample ID: JL34K

LIMS ID: 06-9419

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 06/26/06

QC Report No: JL34-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Date Extracted: 06/12/06

Date Analyzed: 06/23/06 17:29

Instrument/Analyst: NT2/LJR

GPC Cleanup: Yes

Sample Amount: 32.1 g-dry-wt

Final Extract Volume: 2.0 mL

Dilution Factor: 1.00

Percent Moisture: 21.9%

pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	310	< 310 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>62</b>	<b>84</b>
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
<b>132-64-9</b>	<b>Dibenzofuran</b>	<b>62</b>	<b>92</b>
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>62</b>	<b>97</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC51-1.5-2  
SAMPLE

Lab Sample ID: JL34K  
LIMS ID: 06-9419  
Matrix: Sediment  
Date Analyzed: 06/23/06 17:29

QC Report No: JL34-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
120-12-7	Anthracene	62	42 J
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	730
129-00-0	Pyrene	62	360
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo (a) anthracene	62	71
117-81-7	bis (2-Ethylhexyl) phthalate	62	75
218-01-9	Chrysene	62	67
117-84-0	Di-n-Octyl phthalate	62	< 62 U
205-99-2	Benzo (b) fluoranthene	62	50 J
207-08-9	Benzo (k) fluoranthene	62	52 J
50-32-8	Benzo (a) pyrene	62	42 J
193-39-5	Indeno (1,2,3-cd) pyrene	62	< 62 U
191-24-2	Benzo (g,h,i) perylene	62	< 62 U
62-53-3	Aniline	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	58.8%	2-Fluorobiphenyl	65.6%
d14-p-Terphenyl	60.8%	d4-1,2-Dichlorobenzene	59.6%
d5-Phenol	61.9%	2-Fluorophenol	54.9%
2,4,6-Tribromophenol	64.5%	d4-2-Chlorophenol	60.5%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC51-2-3.8

SAMPLE

Lab Sample ID: JC21S

LIMS ID: 06-3591

Matrix: Sediment

Data Release Authorized:

Reported: 03/20/06

QC Report No: JC21-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/22/06

Date Received: 02/22/06

Date Extracted: 03/07/06

Date Analyzed: 03/16/06 21:13

Instrument/Analyst: NT4/LJR

GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 3.00

Percent Moisture: 25.4%

pH: 7.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>59</b>	<b>62</b>
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>59</b>	<b>53 J</b>
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>59</b>	<b>440</b>
120-12-7	<b>Anthracene</b>	<b>59</b>	<b>82</b>

**ORGANICS ANALYSIS DATA SHEET**  
 PSDDA Semivolatiles by SW8270D GC/MS  
 Page 2 of 2

Sample ID: LDW-SC51-2-3.8  
 SAMPLE

Lab Sample ID: JC21S  
 LIMS ID: 06-3591  
 Matrix: Sediment  
 Date Analyzed: 03/16/06 21:13

QC Report No: JC21-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	810
129-00-0	Pyrene	59	590
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	270
117-81-7	bis (2-Ethylhexyl)phthalate	59	76
218-01-9	Chrysene	59	320
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	210
207-08-9	Benzo (k) fluoranthene	59	280
50-32-8	Benzo (a) pyrene	59	260
193-39-5	Indeno (1,2,3-cd) pyrene	59	110
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	78
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	67.4%	2-Fluorobiphenyl	56.2%
d14-p-Terphenyl	47.5%	d4-1,2-Dichlorobenzene	55.1%
d5-Phenol	61.0%	2-Fluorophenol	59.9%
2,4,6-Tribromophenol	59.0%	d4-2-Chlorophenol	59.2%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC52-0-1  
**SAMPLE**

Lab Sample ID: JA90B  
 LIMS ID: 06-2356  
 Matrix: Sediment  
 Data Release Authorized: *AB*  
 Reported: 02/28/06

QC Report No: JA90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/08/06  
 Date Received: 02/08/06

Date Extracted: 02/15/06  
 Date Analyzed: 02/20/06 17:09  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 41.5%  
 pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
<b>131-11-3</b>	<b>Dimethylphthalate</b>	<b>59</b>	<b>84</b>
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>59</b>	<b>120 B</b>
120-12-7	Anthracene	59	< 59 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC52-0-1  
 SAMPLE

Lab Sample ID: JA90B  
 LIMS ID: 06-2356  
 Matrix: Sediment  
 Date Analyzed: 02/20/06 17:09

QC Report No: JA90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	200 B
206-44-0	Fluoranthene	59	450 B
129-00-0	Pyrene	59	410 B
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	120 B
117-81-7	bis (2-Ethylhexyl) phthalate	59	660 B
218-01-9	Chrysene	59	170 B
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	120 B
207-08-9	Benzo (k) fluoranthene	59	160 B
50-32-8	Benzo (a) pyrene	59	100 B
193-39-5	Indeno (1,2,3-cd) pyrene	59	< 59 U
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	< 59 U
62-53-3	Aniline	120	< 120 Y
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	77.5%	2-Fluorobiphenyl	69.1%
d14-p-Terphenyl	93.0%	d4-1,2-Dichlorobenzene	68.9%
d5-Phenol	68.1%	2-Fluorophenol	71.2%
2,4,6-Tribromophenol	87.2%	d4-2-Chlorophenol	75.2%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC52-1-2  
**SAMPLE**

Lab Sample ID: JA90C  
 LIMS ID: 06-2357  
 Matrix: Sediment  
 Data Release Authorized: *MS*  
 Reported: 02/28/06

QC Report No: JA90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/08/06  
 Date Received: 02/08/06

Date Extracted: 02/15/06  
 Date Analyzed: 02/20/06 12:12  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt  
 Final Extract Volume: 1.0 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 39.1%  
 pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	39	< 39 U
111-44-4	Bis-(2-Chloroethyl) Ether	39	< 39 U
95-57-8	2-Chlorophenol	39	< 39 U
541-73-1	1,3-Dichlorobenzene	39	< 39 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	39	< 39 U
106-44-5	4-Methylphenol	39	< 39 U
67-72-1	Hexachloroethane	39	< 39 U
98-95-3	Nitrobenzene	39	< 39 U
78-59-1	Isophorone	39	< 39 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	39	< 39 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
<b>91-20-3</b>	<b>Naphthalene</b>	<b>39</b>	<b>47</b>
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	39	< 39 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	39	< 39 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	39	< 39 U
208-96-8	Acenaphthylene	39	< 39 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	39	< 39 U
51-28-5	2,4-Dinitrophenol	390	< 390 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	39	< 39 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	39	< 39 U
7005-72-3	4-Chlorophenyl-phenylether	39	< 39 U
86-73-7	Fluorene	39	< 39 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	390	< 390 U
101-55-3	4-Bromophenyl-phenylether	39	< 39 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>39</b>	<b>55 B</b>
120-12-7	Anthracene	39	< 39 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC52-1-2  
 SAMPLE

Lab Sample ID: JA90C  
 LIMS ID: 06-2357  
 Matrix: Sediment  
 Date Analyzed: 02/20/06 12:12

QC Report No: JA90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	39	< 39 U
<b>206-44-0</b>	<b>Fluoranthene</b>	<b>39</b>	<b>91 B</b>
<b>129-00-0</b>	<b>Pyrene</b>	<b>39</b>	<b>61 B</b>
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	39	< 39 U
117-81-7	bis (2-Ethylhexyl) phthalate	39	< 39 U
218-01-9	Chrysene	39	< 39 U
117-84-0	Di-n-Octyl phthalate	39	< 39 U
205-99-2	Benzo (b) fluoranthene	39	< 39 U
207-08-9	Benzo (k) fluoranthene	39	< 39 U
50-32-8	Benzo (a) pyrene	39	< 39 U
193-39-5	Indeno (1,2,3-cd) pyrene	39	< 39 U
53-70-3	Dibenz (a, h) anthracene	39	< 39 U
191-24-2	Benzo (g, h, i) perylene	39	< 39 U
62-53-3	Aniline	39	< 39 U
90-12-0	1-Methylnaphthalene	39	< 39 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	42.7%	2-Fluorobiphenyl	48.3%
d14-p-Terphenyl	44.1%	d4-1,2-Dichlorobenzene	33.8%
d5-Phenol	36.6%	2-Fluorophenol	36.8%
2,4,6-Tribromophenol	46.9%	d4-2-Chlorophenol	40.0%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC52-2-4  
**SAMPLE**

Lab Sample ID: JA90D  
 LIMS ID: 06-2358  
 Matrix: Sediment  
 Data Release Authorized: *[Signature]*  
 Reported: 02/28/06

QC Report No: JA90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/08/06  
 Date Received: 02/08/06

Date Extracted: 02/15/06  
 Date Analyzed: 02/20/06 12:45  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 1.00  
 Percent Moisture: 21.4%  
 pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC52-2-4  
**SAMPLE**

Lab Sample ID: JA90D  
 LIMS ID: 06-2358  
 Matrix: Sediment  
 Date Analyzed: 02/20/06 12:45

QC Report No: JA90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	76.0%
d14-p-Terphenyl	86.0%	d4-1,2-Dichlorobenzene	64.4%
d5-Phenol	64.0%	2-Fluorophenol	72.0%
2,4,6-Tribromophenol	64.5%	d4-2-Chlorophenol	70.4%



**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2


Sample ID: LDW-SC53-0-2

SAMPLE

Lab Sample ID: JA64A

LIMS ID: 06-2143

Matrix: Sediment

Data Release Authorized: 

Reported: 05/02/06

QC Report No: JA64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistr

05-08-06-32

Date Sampled: 02/07/06

Date Received: 02/07/06

Date Extracted: 02/15/06

Date Analyzed: 02/18/06 02:00

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 54.3%

pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	39	< 39 U
111-44-4	Bis-(2-Chloroethyl) Ether	39	< 39 U
95-57-8	2-Chlorophenol	39	< 39 U
541-73-1	1,3-Dichlorobenzene	39	< 39 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	39	< 39 U
106-44-5	4-Methylphenol	39	< 39 U
67-72-1	Hexachloroethane	39	< 39 U
98-95-3	Nitrobenzene	39	< 39 U
78-59-1	Isophorone	39	< 39 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	39	< 39 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	39	< 39 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	39	< 39 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	39	< 39 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	39	< 39 U
208-96-8	Acenaphthylene	39	< 39 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	39	< 39 U
51-28-5	2,4-Dinitrophenol	390	< 390 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	39	< 39 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	39	< 39 U
7005-72-3	4-Chlorophenyl-phenylether	39	< 39 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>39</b>	<b>52</b>
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	390	< 390 U
101-55-3	4-Bromophenyl-phenylether	39	< 39 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>39</b>	<b>820</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>39</b>	<b>99</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC53-0-2

SAMPLE

Lab Sample ID: JA64A

LIMS ID: 06-2143

Matrix: Sediment

Date Analyzed: 02/18/06 02:00

QC Report No: JA64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistr

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	39	< 39 U
206-44-0	Fluoranthene	39	2,600 B
129-00-0	Pyrene	39	1,700 B
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	39	580 B
117-81-7	bis (2-Ethylhexyl) phthalate	39	520 B
218-01-9	Chrysene	39	920 B
117-84-0	Di-n-Octyl phthalate	39	< 39 U
205-99-2	Benzo (b) fluoranthene	39	1,400 B
207-08-9	Benzo (k) fluoranthene	39	1,100 B
50-32-8	Benzo (a) pyrene	39	840 B
193-39-5	Indeno (1,2,3-cd) pyrene	39	210
53-70-3	Dibenz (a, h) anthracene	39	52
191-24-2	Benzo (g, h, i) perylene	39	200
62-53-3	Aniline	39	< 39 U
90-12-0	1-Methylnaphthalene	39	< 39 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	55.1%	2-Fluorobiphenyl	56.2%
d14-p-Terphenyl	54.8%	d4-1,2-Dichlorobenzene	44.7%
d5-Phenol	56.5%	2-Fluorophenol	54.4%
2,4,6-Tribromophenol	53.9%	d4-2-Chlorophenol	56.0%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2


Sample ID: LDW-SC53-0-2

REANALYSIS

Lab Sample ID: JA64A

LIMS ID: 06-2143

Matrix: Sediment

Data Release Authorized: 

Reported: 05/02/06

QC Report No: JA64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistr

05-08-06-32

Date Sampled: 02/07/06

Date Received: 02/07/06

Date Extracted: 02/15/06

Date Analyzed: 02/20/06 18:15

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 54.3%

pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	39	< 39 U
111-44-4	Bis-(2-Chloroethyl) Ether	39	< 39 U
95-57-8	2-Chlorophenol	39	< 39 U
541-73-1	1,3-Dichlorobenzene	39	< 39 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	39	< 39 U
106-44-5	4-Methylphenol	39	< 39 U
67-72-1	Hexachloroethane	39	< 39 U
98-95-3	Nitrobenzene	39	< 39 U
78-59-1	Isophorone	39	< 39 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	39	< 39 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	39	< 39 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	39	< 39 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	39	< 39 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	39	< 39 U
208-96-8	Acenaphthylene	39	< 39 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	39	< 39 U
51-28-5	2,4-Dinitrophenol	390	< 390 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	39	< 39 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	39	< 39 U
7005-72-3	4-Chlorophenyl-phenylether	39	< 39 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>39</b>	<b>43</b>
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	390	< 390 U
101-55-3	4-Bromophenyl-phenylether	39	< 39 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>39</b>	<b>820 B</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>39</b>	<b>100</b>

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC53-0-2

REANALYSIS

Lab Sample ID: JA64A

QC Report No: JA64-Windward Environmental, LLC

LIMS ID: 06-2143

Project: LDW RI-Subsurface Sediment Chemistr

Matrix: Sediment

05-08-06-32

Date Analyzed: 02/20/06 18:15

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	39	< 39 U
206-44-0	Fluoranthene	39	2,600 B
129-00-0	Pyrene	39	1,900 B
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo (a) anthracene	39	600 B
117-81-7	bis (2-Ethylhexyl) phthalate	39	530 B
218-01-9	Chrysene	39	900 B
117-84-0	Di-n-Octyl phthalate	39	< 39 U
205-99-2	Benzo (b) fluoranthene	39	1,400 B
207-08-9	Benzo (k) fluoranthene	39	1,100 B
50-32-8	Benzo (a) pyrene	39	800 B
193-39-5	Indeno (1,2,3-cd) pyrene	39	240
53-70-3	Dibenz (a, h) anthracene	39	57
191-24-2	Benzo (g, h, i) perylene	39	260
62-53-3	Aniline	39	< 39 U
90-12-0	1-Methylnaphthalene	39	< 39 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	54.2%	2-Fluorobiphenyl	55.4%
d14-p-Terphenyl	62.1%	d4-1,2-Dichlorobenzene	46.8%
d5-Phenol	51.6%	2-Fluorophenol	52.5%
2,4,6-Tribromophenol	57.6%	d4-2-Chlorophenol	54.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: LDW-SC53-2-4

Page 1 of 2

**SAMPLE**

Lab Sample ID: JA64B

QC Report No: JA64-Windward Environmental, LLC

LIMS ID: 06-2144

Project: LDW RI-Subsurface Sediment Chemistr

Matrix: Sediment

05-08-06-32

Data Release Authorized: **VTS**

Date Sampled: 02/07/06

Reported: 04/26/06

Date Received: 02/07/06

Date Extracted: 02/15/06

Sample Amount: 25.7 g-dry-wt

Date Analyzed: 02/18/06 02:32

Final Extract Volume: 1.0 mL

Instrument/Analyst: NT4/LJR

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 52.3%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	39	74
111-44-4	Bis-(2-Chloroethyl) Ether	39	< 39 U
95-57-8	2-Chlorophenol	39	< 39 U
541-73-1	1,3-Dichlorobenzene	39	< 39 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	39	< 39 U
106-44-5	4-Methylphenol	39	< 39 U
67-72-1	Hexachloroethane	39	< 39 U
98-95-3	Nitrobenzene	39	< 39 U
78-59-1	Isophorone	39	< 39 U
88-75-5	2-Nitrophenol	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	39	< 39 U
120-83-2	2,4-Dichlorophenol	200	< 200 U
91-20-3	Naphthalene	39	< 39 U
106-47-8	4-Chloroaniline	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	200	< 200 U
91-57-6	2-Methylnaphthalene	39	< 39 U
77-47-4	Hexachlorocyclopentadiene	200	< 200 U
88-06-2	2,4,6-Trichlorophenol	200	< 200 U
95-95-4	2,4,5-Trichlorophenol	200	< 200 U
91-58-7	2-Chloronaphthalene	39	< 39 U
88-74-4	2-Nitroaniline	200	< 200 U
131-11-3	Dimethylphthalate	39	< 39 U
208-96-8	Acenaphthylene	39	< 39 U
99-09-2	3-Nitroaniline	200	< 200 U
83-32-9	Acenaphthene	39	< 39 U
51-28-5	2,4-Dinitrophenol	390	< 390 U
100-02-7	4-Nitrophenol	200	< 200 U
132-64-9	Dibenzofuran	39	< 39 U
606-20-2	2,6-Dinitrotoluene	200	< 200 U
121-14-2	2,4-Dinitrotoluene	200	< 200 U
84-66-2	Diethylphthalate	39	< 39 U
7005-72-3	4-Chlorophenyl-phenylether	39	< 39 U
86-73-7	Fluorene	39	< 39 U
100-01-6	4-Nitroaniline	200	< 200 U
534-52-1	4,6-Dinitro-2-Methylphenol	390	< 390 U
101-55-3	4-Bromophenyl-phenylether	39	< 39 U
85-01-8	Phenanthrene	39	530
120-12-7	Anthracene	39	100

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC53-2-4

SAMPLE

Lab Sample ID: JA64B

LIMS ID: 06-2144

Matrix: Sediment

Date Analyzed: 02/18/06 02:32

QC Report No: JA64-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistr

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	39	< 39 U
206-44-0	Fluoranthene	39	2,100 B
129-00-0	Pyrene	39	1,400 B
91-94-1	3,3'-Dichlorobenzidine	200	< 200 U
56-55-3	Benzo(a)anthracene	39	500 B
117-81-7	bis(2-Ethylhexyl)phthalate	39	880 B
218-01-9	Chrysene	39	710 B
117-84-0	Di-n-Octyl phthalate	39	< 39 U
205-99-2	Benzo(b)fluoranthene	39	940 B
207-08-9	Benzo(k)fluoranthene	39	970 B
50-32-8	Benzo(a)pyrene	39	670 B
193-39-5	Indeno(1,2,3-cd)pyrene	39	160
53-70-3	Dibenz(a,h)anthracene	39	42
191-24-2	Benzo(g,h,i)perylene	39	160
62-53-3	Aniline	39	< 39 U
90-12-0	1-Methylnaphthalene	39	< 39 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	55.4%	2-Fluorobiphenyl	54.6%
d14-p-Terphenyl	54.4%	d4-1,2-Dichlorobenzene	49.6%
d5-Phenol	57.6%	2-Fluorophenol	57.1%
2,4,6-Tribromophenol	52.6%	d4-2-Chlorophenol	58.7%

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

**Sample ID: LDW-SC54-0-2**  
**SAMPLE**

Lab Sample ID: JC32R  
 LIMS ID: 06-3698  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/28/06

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/23/06  
 Date Received: 02/23/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/26/06 04:42  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 48.2%  
 pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>59</b>	<b>59</b>
120-12-7	Anthracene	59	< 59 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC54-0-2  
**SAMPLE**

Lab Sample ID: JC32R  
 LIMS ID: 06-3698  
 Matrix: Sediment  
 Date Analyzed: 03/26/06 04:42

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	200
129-00-0	Pyrene	59	170
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	83
117-81-7	bis (2-Ethylhexyl)phthalate	59	100
218-01-9	Chrysene	59	110
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	140
207-08-9	Benzo (k) fluoranthene	59	150
50-32-8	Benzo (a) pyrene	59	76
193-39-5	Indeno (1,2,3-cd) pyrene	59	< 59 U
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	< 59 U
62-53-3	Aniline	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	55.4%	2-Fluorobiphenyl	60.2%
d14-p-Terphenyl	54.8%	d4-1,2-Dichlorobenzene	49.3%
d5-Phenol	52.9%	2-Fluorophenol	48.6%
2,4,6-Tribromophenol	58.4%	d4-2-Chlorophenol	52.1%



**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 1 of 2

Sample ID: LDW-SC54-2-4  
 SAMPLE

Lab Sample ID: JC32S  
 LIMS ID: 06-3699  
 Matrix: Sediment  
 Data Release Authorized:  
 Reported: 03/28/06

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32  
 Date Sampled: 02/23/06  
 Date Received: 02/23/06

Date Extracted: 03/07/06  
 Date Analyzed: 03/26/06 05:15  
 Instrument/Analyst: NT4/LJR  
 GPC Cleanup: No

Sample Amount: 25.1 g-dry-wt  
 Final Extract Volume: 0.5 mL  
 Dilution Factor: 3.00  
 Percent Moisture: 47.7%  
 pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
85-01-8	Phenanthrene	60	76
120-12-7	Anthracene	60	< 60 U

Lab Sample ID: JC32S  
 LIMS ID: 06-3699  
 Matrix: Sediment  
 Date Analyzed: 03/26/06 05:15

QC Report No: JC32-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	210
129-00-0	Pyrene	60	220
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	86
117-81-7	bis (2-Ethylhexyl) phthalate	60	130
218-01-9	Chrysene	60	110
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	150
207-08-9	Benzo (k) fluoranthene	60	160
50-32-8	Benzo (a) pyrene	60	99
193-39-5	Indeno (1,2,3-cd) pyrene	60	< 60 U
53-70-3	Dibenz (a,h) anthracene	60	< 60 U
191-24-2	Benzo (g,h,i) perylene	60	< 60 U
62-53-3	Aniline	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	57.6%	2-Fluorobiphenyl	61.6%
d14-p-Terphenyl	52.9%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	53.3%	2-Fluorophenol	50.5%
2,4,6-Tribromophenol	57.9%	d4-2-Chlorophenol	54.5%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC55-0-1

SAMPLE

Lab Sample ID: JA36A

LIMS ID: 06-1912

Matrix: Sediment

Data Release Authorized: **VTS**

Reported: 04/26/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Suburface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Date Extracted: 02/15/06

Date Analyzed: 02/17/06 22:45

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 37.4%

pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
<b>106-44-5</b>	<b>4-Methylphenol</b>	<b>20</b>	<b>25 B</b>
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>24</b>
120-12-7	Anthracene	20	< 20 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC55-0-1  
SAMPLE

Lab Sample ID: JA36A  
LIMS ID: 06-1912  
Matrix: Sediment  
Date Analyzed: 02/17/06 22:45

QC Report No: JA36-Windward Environmental, LLC  
Project: LDW RI-Suburface Sediment Chemistry  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	54 B
129-00-0	Pyrene	20	35 B
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	27 B
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	59.6%	2-Fluorobiphenyl	60.0%
d14-p-Terphenyl	56.4%	d4-1,2-Dichlorobenzene	54.0%
d5-Phenol	60.5%	2-Fluorophenol	64.8%
2,4,6-Tribromophenol	59.5%	d4-2-Chlorophenol	60.5%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC55-1-2

SAMPLE

Lab Sample ID: JA36B

LIMS ID: 06-1913

Matrix: Sediment

Data Release Authorized: VTS

Reported: 04/26/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Date Extracted: 02/15/06

Date Analyzed: 02/17/06 23:17

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 25.5%

pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC55-1-2

SAMPLE

Lab Sample ID: JA36B

LIMS ID: 06-1913

Matrix: Sediment

Date Analyzed: 02/17/06 23:17

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	< 20 U
117-81-7	bis (2-Ethylhexyl) phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	< 20 U
207-08-9	Benzo (k) fluoranthene	20	< 20 U
50-32-8	Benzo (a) pyrene	20	< 20 U
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	62.8%	2-Fluorobiphenyl	68.8%
d14-p-Terphenyl	66.0%	d4-1,2-Dichlorobenzene	56.0%
d5-Phenol	64.8%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	59.5%	d4-2-Chlorophenol	63.7%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC55-2-3

SAMPLE

Lab Sample ID: JA36C

LIMS ID: 06-1914

Matrix: Sediment

Data Release Authorized: VTS

Reported: 04/26/06

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

Date Sampled: 02/06/06

Date Received: 02/06/06

Date Extracted: 02/15/06

Date Analyzed: 02/17/06 23:50

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.0 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 21.8%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SC55-2-3

SAMPLE

Lab Sample ID: JA36C

LIMS ID: 06-1914

Matrix: Sediment

Date Analyzed: 02/17/06 23:50

QC Report No: JA36-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chemistry

05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo (a) anthracene	20	< 20 U
117-81-7	bis (2-Ethylhexyl) phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	< 20 U
207-08-9	Benzo (k) fluoranthene	20	< 20 U
50-32-8	Benzo (a) pyrene	20	< 20 U
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	72.4%	2-Fluorobiphenyl	77.6%
d14-p-Terphenyl	71.6%	d4-1,2-Dichlorobenzene	65.2%
d5-Phenol	70.1%	2-Fluorophenol	69.1%
2,4,6-Tribromophenol	52.3%	d4-2-Chlorophenol	70.7%



ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC56-0-2  
SAMPLE

Lab Sample ID: JB90A  
LIMS ID: 06-3301  
Matrix: Sediment  
Data Release Authorized:  
Reported: 03/10/06

QC Report No: JB90-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/07/06  
Date Received: 02/07/06

Date Extracted: 02/21/06  
Date Analyzed: 03/06/06 15:20  
Instrument/Analyst: NT4/LJR  
GPC Cleanup: No

Sample Amount: 25.3 g-dry-wt  
Final Extract Volume: 0.5 mL  
Dilution Factor: 1.00  
Percent Moisture: 18.4%  
pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
<b>83-32-9</b>	<b>Acenaphthene</b>	<b>20</b>	<b>16 J</b>
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
<b>86-73-7</b>	<b>Fluorene</b>	<b>20</b>	<b>15 J</b>
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
<b>85-01-8</b>	<b>Phenanthrene</b>	<b>20</b>	<b>170</b>
<b>120-12-7</b>	<b>Anthracene</b>	<b>20</b>	<b>35</b>

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC56-0-2  
SAMPLE

Lab Sample ID: JB90A  
LIMS ID: 06-3301  
Matrix: Sediment  
Date Analyzed: 03/06/06 15:20

QC Report No: JB90-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	16 J
206-44-0	Fluoranthene	20	310
129-00-0	Pyrene	20	220
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	110
117-81-7	bis (2-Ethylhexyl)phthalate	20	23
218-01-9	Chrysene	20	130
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	150
207-08-9	Benzo (k) fluoranthene	20	140
50-32-8	Benzo (a) pyrene	20	140
193-39-5	Indeno (1,2,3-cd) pyrene	20	32
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	29
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	64.4%	2-Fluorobiphenyl	64.0%
d14-p-Terphenyl	62.8%	d4-1,2-Dichlorobenzene	57.2%
d5-Phenol	68.0%	2-Fluorophenol	65.9%
2,4,6-Tribromophenol	76.5%	d4-2-Chlorophenol	67.2%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC56-2-4

SAMPLE

Lab Sample ID: JB90B

LIMS ID: 06-3302

Matrix: Sediment

Data Release Authorized:

Reported: 03/10/06

QC Report No: JB90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/07/06

Date Received: 02/07/06

Date Extracted: 02/21/06

Date Analyzed: 03/06/06 15:55

Instrument/Analyst: NT4/LJR

GPC Cleanup: No

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 25.3%

pH: 6.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U

**ORGANICS ANALYSIS DATA SHEET**  
**PSDDA Semivolatiles by SW8270D GC/MS**  
 Page 2 of 2

Sample ID: LDW-SC56-2-4  
**SAMPLE**

Lab Sample ID: JB90B  
 LIMS ID: 06-3302  
 Matrix: Sediment  
 Date Analyzed: 03/06/06 15:55

QC Report No: JB90-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
84-74-2	Di-n-Butylphthalate	20	10 J
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in  $\mu\text{g}/\text{kg}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	64.4%	2-Fluorobiphenyl	64.8%
d14-p-Terphenyl	66.4%	d4-1,2-Dichlorobenzene	58.0%
d5-Phenol	66.7%	2-Fluorophenol	56.0%
2,4,6-Tribromophenol	55.7%	d4-2-Chlorophenol	61.9%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SC-RB1

SAMPLE

Lab Sample ID: JA90A

LIMS ID: 06-2355

Matrix: Water

Data Release Authorized:

Reported: 02/28/06

QC Report No: JA90-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/08/06

Date Received: 02/08/06

Date Extracted: 02/10/06

Date Analyzed: 02/21/06 14:15

Instrument/Analyst: NT4/LJR

Sample Amount: 500 mL

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U

ORGANICS ANALYSIS DATA SHEET  
PSDDA Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC-RB1  
SAMPLE

Lab Sample ID: JA90A  
LIMS ID: 06-2355  
Matrix: Water  
Date Analyzed: 02/21/06 14:15

QC Report No: JA90-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
129-00-0	Pyrene	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
62-53-3	Aniline	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in  $\mu\text{g/L}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	94.8%	2-Fluorobiphenyl	95.6%
d14-p-Terphenyl	102%	d4-1,2-Dichlorobenzene	85.2%
d5-Phenol	56.0%	2-Fluorophenol	77.3%
2,4,6-Tribromophenol	81.1%	d4-2-Chlorophenol	94.4%

**ORGANICS ANALYSIS DATA SHEET**

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2


Sample ID: LDW-SC-RB2

SAMPLE

Lab Sample ID: JB46L

LIMS ID: 06-2927

Matrix: Water

Data Release Authorized: 

Reported: 03/29/06

QC Report No: JB46-Windward Environmental, LLC

Project: LDW RI-Subsurface Sediment Chem

05-08-06-32

Date Sampled: 02/14/06

Date Received: 02/14/06

Date Extracted: 02/21/06

Date Analyzed: 02/24/06 15:09

Instrument/Analyst: NT4/LJR

Sample Amount: 500 mL

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10.0 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	0.7 J
206-44-0	Fluoranthene	1.0	< 1.0 U

Sample ID: LDW-SC-RB2  
 SAMPLE

Lab Sample ID: JB46L  
 LIMS ID: 06-2927  
 Matrix: Water  
 Date Analyzed: 02/24/06 15:09

QC Report No: JB46-Windward Environmental, LLC  
 Project: LDW RI-Subsurface Sediment Chem  
 05-08-06-32

CAS Number	Analyte	RL	Result
129-00-0	Pyrene	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
62-53-3	Aniline	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in  $\mu\text{g/L}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	83.2%	2-Fluorobiphenyl	78.0%
d14-p-Terphenyl	87.2%	d4-1,2-Dichlorobenzene	72.8%
d5-Phenol	54.7%	2-Fluorophenol	72.8%
2,4,6-Tribromophenol	69.3%	d4-2-Chlorophenol	84.8%



ORGANICS ANALYSIS DATA SHEET  
Semivolatiles by SW8270D GC/MS  
Page 1 of 2

Sample ID: LDW-SC-RB3  
SAMPLE

Lab Sample ID: JC21A  
LIMS ID: 06-3573  
Matrix: Water  
Data Release Authorized: *AB*  
Reported: 03/31/06

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32  
Date Sampled: 02/22/06  
Date Received: 02/22/06

Date Extracted: 02/28/06  
Date Analyzed: 03/13/06 07:07  
Instrument/Analyst: NT6/LJR

Sample Amount: 500 mL  
Final Extract Volume: 0.50 mL  
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	0.7 J
206-44-0	Fluoranthene	1.0	< 1.0 U

ORGANICS ANALYSIS DATA SHEET  
Semivolatiles by SW8270D GC/MS  
Page 2 of 2

Sample ID: LDW-SC-RB3  
SAMPLE

Lab Sample ID: JC21A  
LIMS ID: 06-3573  
Matrix: Water  
Date Analyzed: 03/13/06 07:07

QC Report No: JC21-Windward Environmental, LLC  
Project: LDW RI-Subsurface Sediment Chem  
05-08-06-32

CAS Number	Analyte	RL	Result
129-00-0	Pyrene	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo (a) anthracene	1.0	< 1.0 U
117-81-7	bis (2-Ethylhexyl) phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo (b) fluoranthene	1.0	< 1.0 U
207-08-9	Benzo (k) fluoranthene	1.0	< 1.0 U
50-32-8	Benzo (a) pyrene	1.0	< 1.0 U
193-39-5	Indeno (1,2,3-cd) pyrene	1.0	< 1.0 U
53-70-3	Dibenz (a, h) anthracene	1.0	< 1.0 U
191-24-2	Benzo (g, h, i) perylene	1.0	< 1.0 U
62-53-3	Aniline	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in  $\mu\text{g/L}$  (ppb)

**Semivolatile Surrogate Recovery**

d5-Nitrobenzene	101%	2-Fluorobiphenyl	98.0%
d14-p-Terphenyl	115%	d4-1,2-Dichlorobenzene	91.2%
d5-Phenol	64.5%	2-Fluorophenol	86.4%
2,4,6-Tribromophenol	102%	d4-2-Chlorophenol	100%