

APPENDIX D: RAW LABORATORY DATA

Attachment D-1: Raw Analytical Data Form 1s

LDW and reference surface sediment samples:

Metals

Butyltins

Semivolatile organic compounds

PCBs

Organochlorine pesticides

Grain size

Conventionals

Upstream surface sediment samples:

Arsenic

Grain size

Total solids

LDW and reference surface sediment samples: Metals

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SSI-010

SAMPLE

Lab Sample ID: HP67A

LIMS ID: 05-1082

Matrix: Sediment

Data Release Authorized: 

Reported: 01/31/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Percent Total Solids: 72.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.3	6.2	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.7	18.9	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.4	4.9	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.3	32.3	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	3	27	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.05	0.09	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.7	1.1	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	1	10	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	7	7	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.4	42.3	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	0.8	60.3	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS4-010

SAMPLE

Lab Sample ID: HP67B

LIMS ID: 05-1083

Matrix: Sediment

Data Release Authorized: 

Reported: 01/31/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Percent Total Solids: 44.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.4	21.2	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.4	0.8	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	1	42	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.7	10.8	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.4	124	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	4	86	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.09	0.38	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	1	3	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	26	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	10	10	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.7	0.8	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.7	81.7	
3050B	01/24/05	6010B	01/26/05	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-SS5-010

SAMPLE

Lab Sample ID: HP67C

LIMS ID: 05-1084

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 01/31/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Percent Total Solids: 80.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.2	0.2	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.2	6.5	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.6	11.2	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.4	4.6	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.2	21.4	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	2	26	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.04	0.05	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.6	0.8	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	1	8	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	6	6	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.2	0.2	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.4	37.1	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	0.7	78.1	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS10-010

SAMPLE

Lab Sample ID: HP67D

LIMS ID: 05-1085

Matrix: Sediment

Data Release Authorized 

Reported: 01/31/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Percent Total Solids: 46.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.4	12.4	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.4	0.5	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	1	40	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.6	11.1	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.4	106	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	4	65	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.09	0.39	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	1	2	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	28	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	10	10	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.6	0.7	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.6	78.9	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	162	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS12-010

SAMPLE

Lab Sample ID: HP67E

LIMS ID: 05-1086

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 01/31/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Percent Total Solids: 58.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.3	13.0	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.3	0.5	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.8	33.1	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.5	8.5	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.3	89.7	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	3	59	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.06	0.24	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.8	1.8	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	24	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	8	8	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.5	0.5	U
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.5	59.3	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	154	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS13-010

SAMPLE

Lab Sample ID: HP67J

LIMS ID: 05-1091

Matrix: Sediment

Data Release Authorized 

Reported: 01/31/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Percent Total Solids: 51.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.4	13.3	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.4	0.8	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.9	39.0	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.5	11.2	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.4	117	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	4	82	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.09	0.35	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.9	2.2	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	26	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	9	9	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.5	0.8	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.5	71.0	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	176	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS14-010

SAMPLE

Lab Sample ID: HP67F

LIMS ID: 05-1087

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 01/31/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Percent Total Solids: 76.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.2	0.2	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.2	12.1	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.6	60.5	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.4	8.6	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.2	25.4	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	2	22	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.06	0.06	U
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.6	1.0	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	1	30	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	6	6	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.2	0.2	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.4	43.1	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	0.7	96.8	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS15-010

SAMPLE

Lab Sample ID: HP67G

LIMS ID: 05-1088

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 01/31/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Percent Total Solids: 48.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.4	11.5	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.4	0.6	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	1	39	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.6	10.4	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.4	109	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	4	67	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.1	0.6	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	1	2	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	26	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	10	10	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.6	0.6	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.6	74.2	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	156	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS17-010

SAMPLE

Lab Sample ID: HQ48A

LIMS ID: 05-1642

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 57.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	15.0	
3050B	02/01/05	6010B	02/04/05	7440-43-9	Cadmium	0.3	1.1	
3050B	02/01/05	6010B	02/04/05	7440-47-3	Chromium	0.9	37.1	
3050B	02/01/05	6010B	02/04/05	7440-48-4	Cobalt	0.5	9.9	
3050B	02/01/05	6010B	02/04/05	7440-50-8	Copper	0.3	127	
3050B	02/01/05	6010B	02/04/05	7439-92-1	Lead	3	143	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.07	0.47	
3050B	02/01/05	6010B	02/04/05	7439-98-7	Molybdenum	0.9	3.7	
3050B	02/01/05	6010B	02/04/05	7440-02-0	Nickel	2	25	
3050B	02/01/05	6010B	02/04/05	7782-49-2	Selenium	9	9	U
3050B	02/01/05	6010B	02/04/05	7440-22-4	Silver	0.5	1.2	
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/04/05	7440-62-2	Vanadium	0.5	67.9	
3050B	02/01/05	6010B	02/04/05	7440-66-6	Zinc	1	178	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS17-010
DUPLICATE

Lab Sample ID: HQ48A

LIMS ID: 05-1642

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Arsenic	200.8	15.0	14.7	2.0%	+/- 20%	
Cadmium	6010B	1.1	1.2	8.7%	+/- 0.3	L
Chromium	6010B	37.1	39.2	5.5%	+/- 20%	
Cobalt	6010B	9.9	10.6	6.8%	+/- 20%	
Copper	6010B	127	131	3.1%	+/- 20%	
Lead	6010B	143	153	6.8%	+/- 20%	
Mercury	7471A	0.47	0.35	29.3%	+/- 20%	*
Molybdenum	6010B	3.7	3.3	11.4%	+/- 0.9	L
Nickel	6010B	25	27	7.7%	+/- 20%	
Selenium	6010B	9 U	9 U	0.0%	+/- 9	L
Silver	6010B	1.2	1.3	8.0%	+/- 0.5	L
Thallium	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Vanadium	6010B	67.9	71.2	4.7%	+/- 20%	
Zinc	6010B	178	191	7.0%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS22-010

SAMPLE

Lab Sample ID: HP67I

LIMS ID: 05-1090

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 01/31/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Percent Total Solids: 63.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.3	8.5	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.3	1.4	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.8	41.5	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.5	12.3	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.3	103	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	3	73	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.08	0.28	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.8	2.2	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	25	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	8	8	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.5	1.0	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.5	71.5	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	0.9	145	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS23-010

SAMPLE

Lab Sample ID: HP70B

LIMS ID: 05-1099

Matrix: Sediment

Data Release Authorized 

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Percent Total Solids: 76.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.3	4.5	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.6	16.0	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.4	5.0	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.2	26.4	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	2	16	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.05	0.07	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.6	0.9	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	1	10	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	6	6	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.4	42.4	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	0.7	49.2	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS23-010

DUPLICATE

Lab Sample ID: HP70B

LIMS ID: 05-1099

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Arsenic	200.8	4.5	4.3	4.5%	+/- 20%	
Cadmium	6010B	0.2 U	0.2 U	0.0%	+/- 0.2	L
Chromium	6010B	16.0	14.8	7.8%	+/- 20%	
Cobalt	6010B	5.0	4.6	8.3%	+/- 20%	
Copper	6010B	26.4	25.8	2.3%	+/- 20%	
Lead	6010B	16	16	0.0%	+/- 20%	
Mercury	7471A	0.07	0.07	0.0%	+/- 0.05	L
Molybdenum	6010B	0.9	0.8	11.8%	+/- 0.6	L
Nickel	6010B	10	9	10.5%	+/- 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	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Vanadium	6010B	42.4	40.7	4.1%	+/- 20%	
Zinc	6010B	49.2	48.3	1.8%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS26-010

SAMPLE

Lab Sample ID: HP70C

LIMS ID: 05-1100

Matrix: Sediment

Data Release Authorized 

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Percent Total Solids: 52.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.4	11.5	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.4	1.1	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.9	40.8	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.6	9.8	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.4	96.5	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	4	73	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.09	0.39	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.9	2.1	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	23	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	9	9	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.6	1.1	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.6	66.9	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	163	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS27-010
SAMPLE

Lab Sample ID: HP70D

LIMS ID: 05-1101

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Percent Total Solids: 51.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.4	13.7	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	1	24	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.6	6.4	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.4	52.5	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	4	28	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.09	0.11	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	1	3	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	14	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	10	10	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.6	0.6	U
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.6	49.8	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	87	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS200-010
SAMPLE

Lab Sample ID: HP70E

LIMS ID: 05-1102

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Percent Total Solids: 52.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.4	10.6	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.9	22.9	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.6	6.3	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.4	52.3	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	4	30	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.08	0.12	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.9	2.7	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	14	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	9	9	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.6	0.6	U
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.6	49.7	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	88	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS28-010

SAMPLE

Lab Sample ID: HQ48U

LIMS ID: 05-1662

Matrix: Sediment

Data Release Authorized: *gk*

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 59.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	12.5	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.3	0.5	
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	0.8	32.1	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.5	6.6	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.3	47.8	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	3	87	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.07	0.12	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	0.8	2.1	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	2	25	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	8	8	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.5	0.5	
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.5	49.4	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	1	150	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS31-010

SAMPLE

Lab Sample ID: HQ27G

LIMS ID: 05-1485

Matrix: Sediment

Data Release Authorized: *JK*

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 45.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.4	2.2	
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.4	122	
3050B	01/31/05	6010B	02/02/05	7440-43-9	Cadmium	0.4	3.2	
3050B	01/31/05	6010B	02/02/05	7440-47-3	Chromium	1	55	
3050B	01/31/05	6010B	02/02/05	7440-48-4	Cobalt	0.6	17.3	
3050B	01/31/05	6010B	02/02/05	7440-50-8	Copper	0.4	245	
3050B	01/31/05	6010B	02/02/05	7439-92-1	Lead	4	172	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.08	0.33	
3050B	01/31/05	6010B	02/02/05	7439-98-7	Molybdenum	1	13	
3050B	01/31/05	6010B	02/02/05	7440-02-0	Nickel	2	35	
3050B	01/31/05	6010B	02/02/05	7782-49-2	Selenium	10	10	U
3050B	01/31/05	6010B	02/02/05	7440-22-4	Silver	0.6	1.2	
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/31/05	6010B	02/02/05	7440-62-2	Vanadium	0.6	84.9	
3050B	01/31/05	6010B	02/02/05	7440-66-6	Zinc	1	997	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1


Sample ID: LDW-SS32-010

SAMPLE

Lab Sample ID: HP70F

LIMS ID: 05-1103

Matrix: Sediment

Data Release Authorized 

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Percent Total Solids: 49.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.4	15.7	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.4	1.8	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	1	40	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.6	12.5	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.4	124	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	4	77	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.08	0.34	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	1	2	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	304	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	10	10	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.6	0.8	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.6	70.5	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	414	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS33-010
SAMPLE

Lab Sample ID: HQ57A

LIMS ID: 05-1736

Matrix: Sediment

Data Release Authorized: *JML*

Reported: 02/10/05

QC Report No: HQ57-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/26/05

Date Received: 01/26/05

Percent Total Solids: 65.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.3	11.3	
3050B	02/04/05	6010B	02/08/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/04/05	6010B	02/08/05	7440-47-3	Chromium	0.7	29.4	
3050B	02/04/05	6010B	02/08/05	7440-48-4	Cobalt	0.4	6.6	
3050B	02/04/05	6010B	02/08/05	7440-50-8	Copper	0.3	29.4	
3050B	02/04/05	6010B	02/08/05	7439-92-1	Lead	3	51	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.05	0.05	U
3050B	02/04/05	6010B	02/08/05	7439-98-7	Molybdenum	0.7	0.9	
3050B	02/04/05	6010B	02/08/05	7440-02-0	Nickel	1	32	
3050B	02/04/05	6010B	02/08/05	7782-49-2	Selenium	7	7	U
3050B	02/04/05	6010B	02/08/05	7440-22-4	Silver	0.4	0.4	U
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/04/05	6010B	02/08/05	7440-62-2	Vanadium	0.4	42.4	
3050B	02/04/05	6010B	02/08/05	7440-66-6	Zinc	0.8	110	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS36-010

SAMPLE

Lab Sample ID: HQ48Q

LIMS ID: 05-1658

Matrix: Sediment

Data Release Authorized *gpc*

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 43.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.4	18.0	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.4	0.5	
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	1	38	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.7	9.8	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.4	104	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	4	61	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.08	0.24	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	1	2	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	2	24	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	10	10	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.7	0.7	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.7	77.6	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	1	256	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS37-010

SAMPLE

Lab Sample ID: HP70G

LIMS ID: 05-1104

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Percent Total Solids: 55.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.3	13.6	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.3	3.0	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.8	89.2	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.5	9.6	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.3	108	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	3	103	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.09	0.69	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.8	3.1	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	27	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	8	8	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.5	3.9	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.5	70.3	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	220	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS38-010

SAMPLE

Lab Sample ID: HP70H

LIMS ID: 05-1105

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Percent Total Solids: 46.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.4	14.5	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.4	0.6	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	1	39	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.6	10.9	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.4	107	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	4	58	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.1	0.3	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	1	2	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	27	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	10	10	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.6	0.7	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.6	76.7	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	155	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1


Sample ID: LDW-SS40-010

SAMPLE

Lab Sample ID: HP70I

LIMS ID: 05-1106

Matrix: Sediment

Data Release Authorized 

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Percent Total Solids: 57.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.3	16.7	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.3	0.8	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	0.8	36.4	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.5	9.5	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.3	84.2	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	3	56	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.08	0.35	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	0.8	1.7	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	23	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	8	8	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.5	0.7	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.5	65.8	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	141	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS42-010

SAMPLE

Lab Sample ID: HQ48H

LIMS ID: 05-1649

Matrix: Sediment

Data Release Authorized: 

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 48.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.4	17.1	
3050B	02/01/05	6010B	02/04/05	7440-43-9	Cadmium	0.4	0.7	
3050B	02/01/05	6010B	02/04/05	7440-47-3	Chromium	0.9	36.6	
3050B	02/01/05	6010B	02/04/05	7440-48-4	Cobalt	0.6	10.0	
3050B	02/01/05	6010B	02/04/05	7440-50-8	Copper	0.4	107	
3050B	02/01/05	6010B	02/04/05	7439-92-1	Lead	4	62	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.09	0.31	
3050B	02/01/05	6010B	02/04/05	7439-98-7	Molybdenum	0.9	2.1	
3050B	02/01/05	6010B	02/04/05	7440-02-0	Nickel	2	23	
3050B	02/01/05	6010B	02/04/05	7782-49-2	Selenium	9	9	U
3050B	02/01/05	6010B	02/04/05	7440-22-4	Silver	0.6	0.6	
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/01/05	6010B	02/04/05	7440-62-2	Vanadium	0.6	74.2	
3050B	02/01/05	6010B	02/04/05	7440-66-6	Zinc	1	157	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS43-010
SAMPLE

Lab Sample ID: HQ27A

LIMS ID: 05-1479

Matrix: Sediment

Data Release Authorized: *MC*

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 52.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.4	0.5	
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.4	22.2	
3050B	01/31/05	6010B	02/01/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/31/05	6010B	02/01/05	7440-47-3	Chromium	0.9	32.3	
3050B	01/31/05	6010B	02/01/05	7440-48-4	Cobalt	0.6	11.4	
3050B	01/31/05	6010B	02/01/05	7440-50-8	Copper	0.4	128	
3050B	01/31/05	6010B	02/01/05	7439-92-1	Lead	4	49	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.09	0.15	
3050B	01/31/05	6010B	02/01/05	7439-98-7	Molybdenum	0.9	2.1	
3050B	01/31/05	6010B	02/01/05	7440-02-0	Nickel	2	26	
3050B	01/31/05	6010B	02/01/05	7782-49-2	Selenium	9	9	U
3050B	01/31/05	6010B	02/01/05	7440-22-4	Silver	0.6	0.6	U
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/31/05	6010B	02/01/05	7440-62-2	Vanadium	0.6	71.9	
3050B	01/31/05	6010B	02/01/05	7440-66-6	Zinc	1	176	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS43-010

DUPLICATE

Lab Sample ID: HQ27A

LIMS ID: 05-1479

Matrix: Sediment

Data Release Authorized: 

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.5	0.7	33.3%	+/- 0.4	L
Arsenic	200.8	22.2	24.8	11.1%	+/- 20%	
Cadmium	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Chromium	6010B	32.3	33.4	3.3%	+/- 20%	
Cobalt	6010B	11.4	11.0	3.6%	+/- 20%	
Copper	6010B	128	113	12.4%	+/- 20%	
Lead	6010B	49	47	4.2%	+/- 20%	
Mercury	7471A	0.15	0.19	23.5%	+/- 0.09	L
Molybdenum	6010B	2.1	1.9	10.0%	+/- 0.9	L
Nickel	6010B	26	26	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	200.8	0.4 U	0.4 U	0.0%	+/- 0.4	L
Vanadium	6010B	71.9	72.4	0.7%	+/- 20%	
Zinc	6010B	176	154	13.3%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS44-010

SAMPLE

Lab Sample ID: HQ27B

LIMS ID: 05-1480

Matrix: Sediment

Data Release Authorized

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 58.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.3	0.9	
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.3	46.8	
3050B	01/31/05	6010B	02/01/05	7440-43-9	Cadmium	0.3	0.7	
3050B	01/31/05	6010B	02/01/05	7440-47-3	Chromium	0.9	33.2	
3050B	01/31/05	6010B	02/01/05	7440-48-4	Cobalt	0.5	9.8	
3050B	01/31/05	6010B	02/01/05	7440-50-8	Copper	0.3	214	
3050B	01/31/05	6010B	02/01/05	7439-92-1	Lead	3	68	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.07	0.23	
3050B	01/31/05	6010B	02/01/05	7439-98-7	Molybdenum	0.9	4.5	
3050B	01/31/05	6010B	02/01/05	7440-02-0	Nickel	2	21	
3050B	01/31/05	6010B	02/01/05	7782-49-2	Selenium	9	9	U
3050B	01/31/05	6010B	02/01/05	7440-22-4	Silver	0.5	0.5	U
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/31/05	6010B	02/01/05	7440-62-2	Vanadium	0.5	61.0	
3050B	01/31/05	6010B	02/01/05	7440-66-6	Zinc	1	242	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS48-010
SAMPLE

Lab Sample ID: HP70J

LIMS ID: 05-1107

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Percent Total Solids: 63.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.8	6.8	
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.8	807	
3050B	01/24/05	6010B	01/27/05	7440-43-9	Cadmium	2	3	
3050B	01/24/05	6010B	01/27/05	7440-47-3	Chromium	4	153	
3050B	01/24/05	6010B	01/27/05	7440-48-4	Cobalt	2	50	
3050B	01/24/05	6010B	01/27/05	7440-50-8	Copper	2	1,420	
3050B	01/24/05	6010B	01/27/05	7439-92-1	Lead	20	780	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.06	0.79	
3050B	01/24/05	6010B	01/27/05	7439-98-7	Molybdenum	4	75	
3050B	01/24/05	6010B	01/27/05	7440-02-0	Nickel	8	82	
3050B	01/24/05	6010B	01/27/05	7782-49-2	Selenium	40	40	U
3050B	01/24/05	6010B	01/27/05	7440-22-4	Silver	2	2	U
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.3	0.4	
3050B	01/24/05	6010B	01/27/05	7440-62-2	Vanadium	2	76	
3050B	01/24/05	6010B	01/27/05	7440-66-6	Zinc	5	2,830	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS49-010

SAMPLE

Lab Sample ID: HQ57B

LIMS ID: 05-1737

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/10/05

QC Report No: HQ57-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/26/05

Date Received: 01/26/05

Percent Total Solids: 53.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.4	1.8	
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.4	171	
3050B	02/04/05	6010B	02/09/05	7440-43-9	Cadmium	0.9	1.0	
3050B	02/04/05	6010B	02/09/05	7440-47-3	Chromium	2	53	
3050B	02/04/05	6010B	02/09/05	7440-48-4	Cobalt	1	24	
3050B	02/04/05	6010B	02/09/05	7440-50-8	Copper	0.9	605	
3050B	02/04/05	6010B	02/09/05	7439-92-1	Lead	9	210	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.09	0.36	
3050B	02/04/05	6010B	02/09/05	7439-98-7	Molybdenum	2	18	
3050B	02/04/05	6010B	02/09/05	7440-02-0	Nickel	4	30	
3050B	02/04/05	6010B	02/09/05	7782-49-2	Selenium	20	20	U
3050B	02/04/05	6010B	02/09/05	7440-22-4	Silver	1	1	U
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/04/05	6010B	02/09/05	7440-62-2	Vanadium	1	79	
3050B	02/04/05	6010B	02/09/05	7440-66-6	Zinc	3	768	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS50-010

SAMPLE

Lab Sample ID: HQ48B

LIMS ID: 05-1643

Matrix: Sediment

Data Release Authorized

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 51.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.4	16.8	
3050B	02/01/05	6010B	02/03/05	7440-43-9	Cadmium	0.4	1.2	
3050B	02/01/05	6010B	02/03/05	7440-47-3	Chromium	1	44	
3050B	02/01/05	6010B	02/03/05	7440-48-4	Cobalt	0.6	8.7	
3050B	02/01/05	6010B	02/03/05	7440-50-8	Copper	0.4	89.4	
3050B	02/01/05	6010B	02/03/05	7439-92-1	Lead	4	87	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.09	0.41	
3050B	02/01/05	6010B	02/03/05	7439-98-7	Molybdenum	1	3	
3050B	02/01/05	6010B	02/03/05	7440-02-0	Nickel	2	26	
3050B	02/01/05	6010B	02/03/05	7782-49-2	Selenium	10	10	U
3050B	02/01/05	6010B	02/03/05	7440-22-4	Silver	0.6	1.2	
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/01/05	6010B	02/03/05	7440-62-2	Vanadium	0.6	68.3	
3050B	02/01/05	6010B	02/03/05	7440-66-6	Zinc	1	181	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS202-010

SAMPLE

Lab Sample ID: HQ48G

LIMS ID: 05-1648

Matrix: Sediment

Data Release Authorized 

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 51.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.4	15.8	
3050B	02/01/05	6010B	02/04/05	7440-43-9	Cadmium	0.4	1.3	
3050B	02/01/05	6010B	02/04/05	7440-47-3	Chromium	0.9	45.5	
3050B	02/01/05	6010B	02/04/05	7440-48-4	Cobalt	0.5	9.2	
3050B	02/01/05	6010B	02/04/05	7440-50-8	Copper	0.4	88.6	
3050B	02/01/05	6010B	02/04/05	7439-92-1	Lead	4	92	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.07	0.40	
3050B	02/01/05	6010B	02/04/05	7439-98-7	Molybdenum	0.9	3.3	
3050B	02/01/05	6010B	02/04/05	7440-02-0	Nickel	2	26	
3050B	02/01/05	6010B	02/04/05	7782-49-2	Selenium	9	9	U
3050B	02/01/05	6010B	02/04/05	7440-22-4	Silver	0.5	1.4	
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/01/05	6010B	02/04/05	7440-62-2	Vanadium	0.5	69.6	
3050B	02/01/05	6010B	02/04/05	7440-66-6	Zinc	1	179	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS51-010

SAMPLE

Lab Sample ID: HP70K

LIMS ID: 05-1108

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Percent Total Solids: 47.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/24/05	200.8	01/27/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/24/05	200.8	01/27/05	7440-38-2	Arsenic	0.4	16.9	
3050B	01/24/05	6010B	01/26/05	7440-43-9	Cadmium	0.4	0.6	
3050B	01/24/05	6010B	01/26/05	7440-47-3	Chromium	1	38	
3050B	01/24/05	6010B	01/26/05	7440-48-4	Cobalt	0.6	10.5	
3050B	01/24/05	6010B	01/26/05	7440-50-8	Copper	0.4	127	
3050B	01/24/05	6010B	01/26/05	7439-92-1	Lead	4	64	
CLP	01/24/05	7471A	01/27/05	7439-97-6	Mercury	0.1	0.3	
3050B	01/24/05	6010B	01/26/05	7439-98-7	Molybdenum	1	2	
3050B	01/24/05	6010B	01/26/05	7440-02-0	Nickel	2	24	
3050B	01/24/05	6010B	01/26/05	7782-49-2	Selenium	10	10	U
3050B	01/24/05	6010B	01/26/05	7440-22-4	Silver	0.6	0.8	
3050B	01/24/05	200.8	01/27/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/24/05	6010B	01/26/05	7440-62-2	Vanadium	0.6	73.2	
3050B	01/24/05	6010B	01/26/05	7440-66-6	Zinc	1	190	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS52-010

SAMPLE

Lab Sample ID: HQ56B

LIMS ID: 05-1728

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 02/10/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Percent Total Solids: 44.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.4	15.5	
3050B	02/04/05	6010B	02/08/05	7440-43-9	Cadmium	0.4	0.7	
3050B	02/04/05	6010B	02/08/05	7440-47-3	Chromium	1	39	
3050B	02/04/05	6010B	02/08/05	7440-48-4	Cobalt	0.6	10.7	
3050B	02/04/05	6010B	02/08/05	7440-50-8	Copper	0.4	106	
3050B	02/04/05	6010B	02/08/05	7439-92-1	Lead	4	64	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.1	0.3	
3050B	02/04/05	6010B	02/08/05	7439-98-7	Molybdenum	1	2	
3050B	02/04/05	6010B	02/08/05	7440-02-0	Nickel	2	26	
3050B	02/04/05	6010B	02/08/05	7782-49-2	Selenium	10	10	U
3050B	02/04/05	6010B	02/08/05	7440-22-4	Silver	0.6	0.7	
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/04/05	6010B	02/08/05	7440-62-2	Vanadium	0.6	75.7	
3050B	02/04/05	6010B	02/08/05	7440-66-6	Zinc	1	167	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS52-010

DUPLICATE

Lab Sample ID: HQ56B

LIMS ID: 05-1728

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/10/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.4 U	0.4 U	0.0%	+/- 0.4	L
Arsenic	200.8	15.5	15.5	0.0%	+/- 20%	
Cadmium	6010B	0.7	0.6	15.4%	+/- 0.4	L
Chromium	6010B	39	39	0.0%	+/- 20%	
Cobalt	6010B	10.7	10.8	0.9%	+/- 20%	
Copper	6010B	106	106	0.0%	+/- 20%	
Lead	6010B	64	63	1.6%	+/- 20%	
Mercury	7471A	0.3	0.3	0.0%	+/- 0.1	L
Molybdenum	6010B	2	2	0.0%	+/- 1	L
Nickel	6010B	26	26	0.0%	+/- 20%	
Selenium	6010B	10 U	10 U	0.0%	+/- 10	L
Silver	6010B	0.7	0.7	0.0%	+/- 0.6	L
Thallium	200.8	0.4 U	0.4 U	0.0%	+/- 0.4	L
Vanadium	6010B	75.7	76.9	1.6%	+/- 20%	
Zinc	6010B	167	167	0.0%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS54-010

SAMPLE

Lab Sample ID: HQ48F

LIMS ID: 05-1647

Matrix: Sediment

Data Release Authorized: 

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 60.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	8.8	
3050B	02/01/05	6010B	02/04/05	7440-43-9	Cadmium	0.3	0.5	
3050B	02/01/05	6010B	02/04/05	7440-47-3	Chromium	0.8	25.6	
3050B	02/01/05	6010B	02/04/05	7440-48-4	Cobalt	0.5	7.6	
3050B	02/01/05	6010B	02/04/05	7440-50-8	Copper	0.3	66.2	
3050B	02/01/05	6010B	02/04/05	7439-92-1	Lead	3	38	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.08	0.19	
3050B	02/01/05	6010B	02/04/05	7439-98-7	Molybdenum	0.8	2.2	
3050B	02/01/05	6010B	02/04/05	7440-02-0	Nickel	2	18	
3050B	02/01/05	6010B	02/04/05	7782-49-2	Selenium	8	8	U
3050B	02/01/05	6010B	02/04/05	7440-22-4	Silver	0.5	0.5	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/04/05	7440-62-2	Vanadium	0.5	58.7	
3050B	02/01/05	6010B	02/04/05	7440-66-6	Zinc	1	112	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS55-010
SAMPLE

Lab Sample ID: HQ48C

LIMS ID: 05-1644

Matrix: Sediment

Data Release Authorized

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 62.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	17.2	
3050B	02/01/05	6010B	02/04/05	7440-43-9	Cadmium	0.3	0.4	
3050B	02/01/05	6010B	02/04/05	7440-47-3	Chromium	0.7	25.4	
3050B	02/01/05	6010B	02/04/05	7440-48-4	Cobalt	0.4	9.7	
3050B	02/01/05	6010B	02/04/05	7440-50-8	Copper	0.3	137	
3050B	02/01/05	6010B	02/04/05	7439-92-1	Lead	3	53	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.08	0.15	
3050B	02/01/05	6010B	02/04/05	7439-98-7	Molybdenum	0.7	4.7	
3050B	02/01/05	6010B	02/04/05	7440-02-0	Nickel	1	20	
3050B	02/01/05	6010B	02/04/05	7782-49-2	Selenium	7	7	U
3050B	02/01/05	6010B	02/04/05	7440-22-4	Silver	0.4	0.6	
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/04/05	7440-62-2	Vanadium	0.4	63.5	
3050B	02/01/05	6010B	02/04/05	7440-66-6	Zinc	0.9	151	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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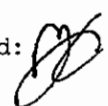
Sample ID: LDW-SS56-010

SAMPLE

Lab Sample ID: HQ48T

LIMS ID: 05-1661

Matrix: Sediment

Data Release Authorized: 

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 64.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	2.2	
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	161	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.3	0.6	
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	0.8	41.2	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.5	18.7	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.3	365	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	3	160	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.07	0.14	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	0.8	23.0	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	2	16	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	8	8	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.5	0.9	
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.5	59.3	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	0.9	607	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


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Sample ID: LDW-SS57-010
SAMPLE

Lab Sample ID: HQ48S

LIMS ID: 05-1660

Matrix: Sediment

Data Release Authorized: 

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 49.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.4	35.4	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.4	0.7	
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	1	43	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.6	11.3	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.4	179	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	4	138	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.09	0.31	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	1	5	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	2	23	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	10	10	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.6	0.9	
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.6	72.6	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	1	262	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS58-010

SAMPLE

Lab Sample ID: HQ48R

LIMS ID: 05-1659

Matrix: Sediment

Data Release Authorized 

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 52.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.4	33.9	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.4	1.0	
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	0.9	45.0	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.6	11.4	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.4	146	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	4	287	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.07	0.29	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	0.9	5.5	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	2	28	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	9	9	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.6	1.1	
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.6	68.7	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	1	281	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS-60-010

SAMPLE

Lab Sample ID: HP90E

LIMS ID: 05-1223

Matrix: Sediment

Data Release Authorized *RL*

Reported: 02/07/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Percent Total Solids: 69.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/27/05	200.8	01/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/27/05	200.8	01/31/05	7440-38-2	Arsenic	0.3	4.1	
3050B	01/27/05	6010B	01/31/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/27/05	6010B	01/31/05	7440-47-3	Chromium	0.7	12.1	
3050B	01/27/05	6010B	01/31/05	7440-48-4	Cobalt	0.4	4.4	
3050B	01/27/05	6010B	01/31/05	7440-50-8	Copper	0.3	18.4	
3050B	01/27/05	6010B	01/31/05	7439-92-1	Lead	3	9	
CLP	01/27/05	7471A	02/01/05	7439-97-6	Mercury	0.07	0.07	U
3050B	01/27/05	6010B	01/31/05	7439-98-7	Molybdenum	0.7	0.8	
3050B	01/27/05	6010B	01/31/05	7440-02-0	Nickel	1	9	
3050B	01/27/05	6010B	01/31/05	7782-49-2	Selenium	7	7	U
3050B	01/27/05	6010B	01/31/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/27/05	200.8	01/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/27/05	6010B	01/31/05	7440-62-2	Vanadium	0.4	40.6	
3050B	01/27/05	6010B	01/31/05	7440-66-6	Zinc	0.8	38.0	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS63-010
SAMPLE

Lab Sample ID: HQ27I

LIMS ID: 05-1487

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 66.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.3	10.2	
3050B	01/31/05	6010B	02/02/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/31/05	6010B	02/02/05	7440-47-3	Chromium	0.7	24.7	
3050B	01/31/05	6010B	02/02/05	7440-48-4	Cobalt	0.4	6.1	
3050B	01/31/05	6010B	02/02/05	7440-50-8	Copper	0.3	48.3	
3050B	01/31/05	6010B	02/02/05	7439-92-1	Lead	3	28	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.05	0.08	
3050B	01/31/05	6010B	02/02/05	7439-98-7	Molybdenum	0.7	1.1	
3050B	01/31/05	6010B	02/02/05	7440-02-0	Nickel	1	21	
3050B	01/31/05	6010B	02/02/05	7782-49-2	Selenium	7	7	U
3050B	01/31/05	6010B	02/02/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/31/05	6010B	02/02/05	7440-62-2	Vanadium	0.4	48.1	
3050B	01/31/05	6010B	02/02/05	7440-66-6	Zinc	0.9	93.0	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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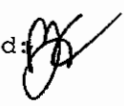
Sample ID: LDW-SS64-010

SAMPLE

Lab Sample ID: HQ480

LIMS ID: 05-1656

Matrix: Sediment

Data Release Authorized: 

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 57.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	21.2	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.3	0.5	
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	0.9	27.0	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.5	10.8	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.3	107	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	3	50	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.08	0.15	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	0.9	2.4	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	2	20	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	9	9	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.5	0.5	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.5	63.9	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	1	195	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS67-010
SAMPLE

Lab Sample ID: HQ27H

LIMS ID: 05-1486

Matrix: Sediment

Data Release Authorized: *BC*

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 77.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.2	0.2	U
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.2	2.4	
3050B	01/31/05	6010B	02/02/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/31/05	6010B	02/02/05	7440-47-3	Chromium	0.6	12.4	
3050B	01/31/05	6010B	02/02/05	7440-48-4	Cobalt	0.4	4.5	
3050B	01/31/05	6010B	02/02/05	7440-50-8	Copper	0.3	16.9	
3050B	01/31/05	6010B	02/02/05	7439-92-1	Lead	3	11	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.05	0.06	
3050B	01/31/05	6010B	02/02/05	7439-98-7	Molybdenum	0.6	0.7	
3050B	01/31/05	6010B	02/02/05	7440-02-0	Nickel	1	10	
3050B	01/31/05	6010B	02/02/05	7782-49-2	Selenium	6	6	U
3050B	01/31/05	6010B	02/02/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.2	0.2	U
3050B	01/31/05	6010B	02/02/05	7440-62-2	Vanadium	0.4	40.6	
3050B	01/31/05	6010B	02/02/05	7440-66-6	Zinc	0.8	41.0	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS70-010

SAMPLE

Lab Sample ID: HQ27J

LIMS ID: 05-1488

Matrix: Sediment

Data Release Authorized: 

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 55.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.3	14.8	
3050B	01/31/05	6010B	02/02/05	7440-43-9	Cadmium	0.3	0.7	
3050B	01/31/05	6010B	02/02/05	7440-47-3	Chromium	0.8	38.3	
3050B	01/31/05	6010B	02/02/05	7440-48-4	Cobalt	0.5	8.2	
3050B	01/31/05	6010B	02/02/05	7440-50-8	Copper	0.3	84.2	
3050B	01/31/05	6010B	02/02/05	7439-92-1	Lead	3	84	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.07	0.14	
3050B	01/31/05	6010B	02/02/05	7439-98-7	Molybdenum	0.8	2.6	
3050B	01/31/05	6010B	02/02/05	7440-02-0	Nickel	2	28	
3050B	01/31/05	6010B	02/02/05	7782-49-2	Selenium	8	8	U
3050B	01/31/05	6010B	02/02/05	7440-22-4	Silver	0.5	0.5	U
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/31/05	6010B	02/02/05	7440-62-2	Vanadium	0.5	59.9	
3050B	01/31/05	6010B	02/02/05	7440-66-6	Zinc	1	277	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS72-010

SAMPLE

Lab Sample ID: HQ48D

LIMS ID: 05-1645

Matrix: Sediment

Data Release Authorized

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 45.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.4	15.5	
3050B	02/01/05	6010B	02/04/05	7440-43-9	Cadmium	0.4	0.6	
3050B	02/01/05	6010B	02/04/05	7440-47-3	Chromium	1	35	
3050B	02/01/05	6010B	02/04/05	7440-48-4	Cobalt	0.6	9.8	
3050B	02/01/05	6010B	02/04/05	7440-50-8	Copper	0.4	85.5	
3050B	02/01/05	6010B	02/04/05	7439-92-1	Lead	4	50	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.1	0.3	
3050B	02/01/05	6010B	02/04/05	7439-98-7	Molybdenum	1	2	
3050B	02/01/05	6010B	02/04/05	7440-02-0	Nickel	2	22	
3050B	02/01/05	6010B	02/04/05	7782-49-2	Selenium	10	10	U
3050B	02/01/05	6010B	02/04/05	7440-22-4	Silver	0.6	0.6	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/01/05	6010B	02/04/05	7440-62-2	Vanadium	0.6	75.7	
3050B	02/01/05	6010B	02/04/05	7440-66-6	Zinc	1	152	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS75-010

SAMPLE

Lab Sample ID: HQ27K

LIMS ID: 05-1489

Matrix: Sediment

Data Release Authorized: *BJC*

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 58.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.3	8.3	
3050B	01/31/05	6010B	02/02/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/31/05	6010B	02/02/05	7440-47-3	Chromium	0.9	24.9	
3050B	01/31/05	6010B	02/02/05	7440-48-4	Cobalt	0.5	5.2	
3050B	01/31/05	6010B	02/02/05	7440-50-8	Copper	0.3	41.8	
3050B	01/31/05	6010B	02/02/05	7439-92-1	Lead	3	44	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.07	0.12	
3050B	01/31/05	6010B	02/02/05	7439-98-7	Molybdenum	0.9	1.2	
3050B	01/31/05	6010B	02/02/05	7440-02-0	Nickel	2	12	
3050B	01/31/05	6010B	02/02/05	7782-49-2	Selenium	9	9	U
3050B	01/31/05	6010B	02/02/05	7440-22-4	Silver	0.5	1.3	
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/31/05	6010B	02/02/05	7440-62-2	Vanadium	0.5	52.6	
3050B	01/31/05	6010B	02/02/05	7440-66-6	Zinc	1	79	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS76-010

SAMPLE

Lab Sample ID: HQ17K

LIMS ID: 05-1415

Matrix: Sediment

Data Release Authorized *AL*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Percent Total Solids: 44.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.4	14.5	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	1	36	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.6	10.8	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.4	75.3	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	4	41	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.1	0.2	
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	1	1	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	26	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	10	10	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.6	0.6	U
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.6	78.3	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	1	134	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS79-010

SAMPLE

Lab Sample ID: HQ48E

LIMS ID: 05-1646

Matrix: Sediment

Data Release Authorized 

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 55.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	10.7	
3050B	02/01/05	6010B	02/04/05	7440-43-9	Cadmium	0.3	0.3	
3050B	02/01/05	6010B	02/04/05	7440-47-3	Chromium	0.9	27.7	
3050B	02/01/05	6010B	02/04/05	7440-48-4	Cobalt	0.5	9.7	
3050B	02/01/05	6010B	02/04/05	7440-50-8	Copper	0.3	49.7	
3050B	02/01/05	6010B	02/04/05	7439-92-1	Lead	3	19	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.08	0.20	
3050B	02/01/05	6010B	02/04/05	7439-98-7	Molybdenum	0.9	1.4	
3050B	02/01/05	6010B	02/04/05	7440-02-0	Nickel	2	19	
3050B	02/01/05	6010B	02/04/05	7782-49-2	Selenium	9	9	U
3050B	02/01/05	6010B	02/04/05	7440-22-4	Silver	0.5	0.5	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/04/05	7440-62-2	Vanadium	0.5	66.8	
3050B	02/01/05	6010B	02/04/05	7440-66-6	Zinc	1	86	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS83-010

SAMPLE

Lab Sample ID: HQ48P

LIMS ID: 05-1657

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 48.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.4	17.9	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.4	0.6	
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	1	37	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.6	8.4	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.4	109	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	4	55	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.1	0.2	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	1	2	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	2	23	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	10	10	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.6	0.6	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.6	74.6	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	1	382	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS84-010

SAMPLE

Lab Sample ID: HQ17L

LIMS ID: 05-1416

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/21/05

Percent Total Solids: 56.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.3	12.3	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.3	2.0	
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	0.8	122	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.5	13.1	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.3	117	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	3	615	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.07	2.46	
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	0.8	5.1	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	39	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	8	8	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.5	1.7	
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.5	55.1	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	1	417	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS87-010

SAMPLE

Lab Sample ID: HQ27C

LIMS ID: 05-1481

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 46.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.4	13.9	
3050B	01/31/05	6010B	02/01/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/31/05	6010B	02/01/05	7440-47-3	Chromium	1	31	
3050B	01/31/05	6010B	02/01/05	7440-48-4	Cobalt	0.6	8.9	
3050B	01/31/05	6010B	02/01/05	7440-50-8	Copper	0.4	72.6	
3050B	01/31/05	6010B	02/01/05	7439-92-1	Lead	4	36	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.08	0.17	
3050B	01/31/05	6010B	02/01/05	7439-98-7	Molybdenum	1	1	
3050B	01/31/05	6010B	02/01/05	7440-02-0	Nickel	2	21	
3050B	01/31/05	6010B	02/01/05	7782-49-2	Selenium	10	10	U
3050B	01/31/05	6010B	02/01/05	7440-22-4	Silver	0.6	0.6	U
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/31/05	6010B	02/01/05	7440-62-2	Vanadium	0.6	68.1	
3050B	01/31/05	6010B	02/01/05	7440-66-6	Zinc	1	143	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

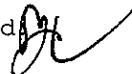
Page 1 of 1

Sample ID: LDW-SS88-010
SAMPLE

Lab Sample ID: HQ56I

LIMS ID: 05-1735

Matrix: Sediment

Data Release Authorized 

Reported: 02/10/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Percent Total Solids: 62.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.3	11.6	
3050B	02/04/05	6010B	02/08/05	7440-43-9	Cadmium	0.3	1.0	
3050B	02/04/05	6010B	02/08/05	7440-47-3	Chromium	0.8	57.1	
3050B	02/04/05	6010B	02/08/05	7440-48-4	Cobalt	0.5	8.7	
3050B	02/04/05	6010B	02/08/05	7440-50-8	Copper	0.3	48.7	
3050B	02/04/05	6010B	02/08/05	7439-92-1	Lead	3	74	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.07	0.62	
3050B	02/04/05	6010B	02/08/05	7439-98-7	Molybdenum	0.8	1.3	
3050B	02/04/05	6010B	02/08/05	7440-02-0	Nickel	2	19	
3050B	02/04/05	6010B	02/08/05	7782-49-2	Selenium	8	8	U
3050B	02/04/05	6010B	02/08/05	7440-22-4	Silver	0.5	0.9	
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/04/05	6010B	02/08/05	7440-62-2	Vanadium	0.5	62.1	
3050B	02/04/05	6010B	02/08/05	7440-66-6	Zinc	0.9	127	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS-89-010
SAMPLE

Lab Sample ID: HP90H

LIMS ID: 05-1226

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 02/07/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Percent Total Solids: 73.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/27/05	200.8	01/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/27/05	200.8	01/31/05	7440-38-2	Arsenic	0.3	4.2	
3050B	01/27/05	6010B	01/31/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/27/05	6010B	01/31/05	7440-47-3	Chromium	0.6	14.8	
3050B	01/27/05	6010B	01/31/05	7440-48-4	Cobalt	0.4	4.9	
3050B	01/27/05	6010B	01/31/05	7440-50-8	Copper	0.3	18.6	
3050B	01/27/05	6010B	01/31/05	7439-92-1	Lead	3	10	
CLP	01/27/05	7471A	02/01/05	7439-97-6	Mercury	0.06	0.06	U
3050B	01/27/05	6010B	01/31/05	7439-98-7	Molybdenum	0.6	0.7	
3050B	01/27/05	6010B	01/31/05	7440-02-0	Nickel	1	10	
3050B	01/27/05	6010B	01/31/05	7782-49-2	Selenium	6	6	U
3050B	01/27/05	6010B	01/31/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/27/05	200.8	01/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/27/05	6010B	01/31/05	7440-62-2	Vanadium	0.4	43.9	
3050B	01/27/05	6010B	01/31/05	7440-66-6	Zinc	0.8	38.4	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS-201-010

SAMPLE

Lab Sample ID: HP90I

LIMS ID: 05-1227

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 02/07/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Percent Total Solids: 71.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/27/05	200.8	01/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/27/05	200.8	01/31/05	7440-38-2	Arsenic	0.3	4.2	
3050B	01/27/05	6010B	01/31/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/27/05	6010B	01/31/05	7440-47-3	Chromium	0.6	14.0	
3050B	01/27/05	6010B	01/31/05	7440-48-4	Cobalt	0.4	4.8	
3050B	01/27/05	6010B	01/31/05	7440-50-8	Copper	0.3	18.5	
3050B	01/27/05	6010B	01/31/05	7439-92-1	Lead	3	9	
CLP	01/27/05	7471A	02/01/05	7439-97-6	Mercury	0.06	0.06	U
3050B	01/27/05	6010B	01/31/05	7439-98-7	Molybdenum	0.6	0.7	
3050B	01/27/05	6010B	01/31/05	7440-02-0	Nickel	1	9	
3050B	01/27/05	6010B	01/31/05	7782-49-2	Selenium	6	6	U
3050B	01/27/05	6010B	01/31/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/27/05	200.8	01/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/27/05	6010B	01/31/05	7440-62-2	Vanadium	0.4	43.3	
3050B	01/27/05	6010B	01/31/05	7440-66-6	Zinc	0.8	39.7	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS92-010

SAMPLE

Lab Sample ID: HQ56C

LIMS ID: 05-1729

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/10/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Percent Total Solids: 66.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.3	9.8	
3050B	02/04/05	6010B	02/08/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/04/05	6010B	02/08/05	7440-47-3	Chromium	0.7	23.4	
3050B	02/04/05	6010B	02/08/05	7440-48-4	Cobalt	0.4	6.2	
3050B	02/04/05	6010B	02/08/05	7440-50-8	Copper	0.3	35.0	
3050B	02/04/05	6010B	02/08/05	7439-92-1	Lead	3	24	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.07	0.09	
3050B	02/04/05	6010B	02/08/05	7439-98-7	Molybdenum	0.7	1.5	
3050B	02/04/05	6010B	02/08/05	7440-02-0	Nickel	1	15	
3050B	02/04/05	6010B	02/08/05	7782-49-2	Selenium	7	7	U
3050B	02/04/05	6010B	02/08/05	7440-22-4	Silver	0.4	0.4	U
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/04/05	6010B	02/08/05	7440-62-2	Vanadium	0.4	48.7	
3050B	02/04/05	6010B	02/08/05	7440-66-6	Zinc	0.9	91.7	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS94-010

SAMPLE

Lab Sample ID: HQ27D

LIMS ID: 05-1482

Matrix: Sediment

Data Release Authorized *JL*

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 60.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.3	0.4	
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.3	26.5	
3050B	01/31/05	6010B	02/01/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/31/05	6010B	02/01/05	7440-47-3	Chromium	0.8	21.2	
3050B	01/31/05	6010B	02/01/05	7440-48-4	Cobalt	0.5	7.4	
3050B	01/31/05	6010B	02/01/05	7440-50-8	Copper	0.3	71.9	
3050B	01/31/05	6010B	02/01/05	7439-92-1	Lead	3	37	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.06	0.09	
3050B	01/31/05	6010B	02/01/05	7439-98-7	Molybdenum	0.8	2.4	
3050B	01/31/05	6010B	02/01/05	7440-02-0	Nickel	2	16	
3050B	01/31/05	6010B	02/01/05	7782-49-2	Selenium	8	8	U
3050B	01/31/05	6010B	02/01/05	7440-22-4	Silver	0.5	0.5	U
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/31/05	6010B	02/01/05	7440-62-2	Vanadium	0.5	52.9	
3050B	01/31/05	6010B	02/01/05	7440-66-6	Zinc	0.9	218	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS96-010

SAMPLE

Lab Sample ID: HQ27E

LIMS ID: 05-1483

Matrix: Sediment

Data Release Authorized: 

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 44.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.4	12.7	
3050B	01/31/05	6010B	02/01/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/31/05	6010B	02/01/05	7440-47-3	Chromium	1	31	
3050B	01/31/05	6010B	02/01/05	7440-48-4	Cobalt	0.6	9.3	
3050B	01/31/05	6010B	02/01/05	7440-50-8	Copper	0.4	53.6	
3050B	01/31/05	6010B	02/01/05	7439-92-1	Lead	4	26	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.1	0.1	
3050B	01/31/05	6010B	02/01/05	7439-98-7	Molybdenum	1	1	
3050B	01/31/05	6010B	02/01/05	7440-02-0	Nickel	2	21	
3050B	01/31/05	6010B	02/01/05	7782-49-2	Selenium	10	10	U
3050B	01/31/05	6010B	02/01/05	7440-22-4	Silver	0.6	0.6	U
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/31/05	6010B	02/01/05	7440-62-2	Vanadium	0.6	68.6	
3050B	01/31/05	6010B	02/01/05	7440-66-6	Zinc	1	100	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS97-010

SAMPLE

Lab Sample ID: HQ27F

LIMS ID: 05-1484

Matrix: Sediment

Data Release Authorized: *JS*

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Percent Total Solids: 67.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.3	8.0	
3050B	01/31/05	6010B	02/02/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/31/05	6010B	02/02/05	7440-47-3	Chromium	0.7	25.8	
3050B	01/31/05	6010B	02/02/05	7440-48-4	Cobalt	0.4	5.7	
3050B	01/31/05	6010B	02/02/05	7440-50-8	Copper	0.3	29.4	
3050B	01/31/05	6010B	02/02/05	7439-92-1	Lead	3	26	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.06	0.06	U
3050B	01/31/05	6010B	02/02/05	7439-98-7	Molybdenum	0.7	1.1	
3050B	01/31/05	6010B	02/02/05	7440-02-0	Nickel	1	14	
3050B	01/31/05	6010B	02/02/05	7782-49-2	Selenium	7	7	U
3050B	01/31/05	6010B	02/02/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/31/05	6010B	02/02/05	7440-62-2	Vanadium	0.4	46.9	
3050B	01/31/05	6010B	02/02/05	7440-66-6	Zinc	0.9	58.9	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS-99-010

SAMPLE

Lab Sample ID: HP90F

LIMS ID: 05-1224

Matrix: Sediment

Data Release Authorized *BL*

Reported: 02/07/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Percent Total Solids: 55.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/27/05	200.8	01/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/27/05	200.8	01/31/05	7440-38-2	Arsenic	0.3	6.8	
3050B	01/27/05	6010B	01/31/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/27/05	6010B	01/31/05	7440-47-3	Chromium	0.9	20.0	
3050B	01/27/05	6010B	01/31/05	7440-48-4	Cobalt	0.5	5.7	
3050B	01/27/05	6010B	01/31/05	7440-50-8	Copper	0.3	30.9	
3050B	01/27/05	6010B	01/31/05	7439-92-1	Lead	3	27	
CLP	01/27/05	7471A	02/01/05	7439-97-6	Mercury	0.08	0.09	
3050B	01/27/05	6010B	01/31/05	7439-98-7	Molybdenum	0.9	1.5	
3050B	01/27/05	6010B	01/31/05	7440-02-0	Nickel	2	13	
3050B	01/27/05	6010B	01/31/05	7782-49-2	Selenium	9	9	U
3050B	01/27/05	6010B	01/31/05	7440-22-4	Silver	0.5	0.5	U
3050B	01/27/05	200.8	01/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/27/05	6010B	01/31/05	7440-62-2	Vanadium	0.5	52.5	
3050B	01/27/05	6010B	01/31/05	7440-66-6	Zinc	1	66	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS101-010

SAMPLE

Lab Sample ID: HQ28A

LIMS ID: 05-1491

Matrix: Sediment

Data Release Authorized: *gc*

Reported: 02/03/05

QC Report No: HQ28-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/24/05

Percent Total Solids: 74.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/31/05	200.8	02/02/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/31/05	200.8	02/02/05	7440-38-2	Arsenic	0.3	4.9	
3050B	01/31/05	6010B	02/01/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	01/31/05	6010B	02/01/05	7440-47-3	Chromium	0.6	12.0	
3050B	01/31/05	6010B	02/01/05	7440-48-4	Cobalt	0.4	4.5	
3050B	01/31/05	6010B	02/01/05	7440-50-8	Copper	0.2	17.2	
3050B	01/31/05	6010B	02/01/05	7439-92-1	Lead	2	31	
CLP	01/31/05	7471A	02/01/05	7439-97-6	Mercury	0.06	0.06	U
3050B	01/31/05	6010B	02/01/05	7439-98-7	Molybdenum	0.6	0.9	
3050B	01/31/05	6010B	02/01/05	7440-02-0	Nickel	1	9	
3050B	01/31/05	6010B	02/01/05	7782-49-2	Selenium	6	6	U
3050B	01/31/05	6010B	02/01/05	7440-22-4	Silver	0.4	0.4	U
3050B	01/31/05	200.8	02/02/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/31/05	6010B	02/01/05	7440-62-2	Vanadium	0.4	41.2	
3050B	01/31/05	6010B	02/01/05	7440-66-6	Zinc	0.7	53.5	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS102-010

SAMPLE

Lab Sample ID: HQ48I

LIMS ID: 05-1650

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 67.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	6.6	
3050B	02/01/05	6010B	02/04/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/01/05	6010B	02/04/05	7440-47-3	Chromium	0.7	17.9	
3050B	02/01/05	6010B	02/04/05	7440-48-4	Cobalt	0.4	6.2	
3050B	02/01/05	6010B	02/04/05	7440-50-8	Copper	0.3	39.8	
3050B	02/01/05	6010B	02/04/05	7439-92-1	Lead	3	28	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.06	0.10	
3050B	02/01/05	6010B	02/04/05	7439-98-7	Molybdenum	0.7	1.1	
3050B	02/01/05	6010B	02/04/05	7440-02-0	Nickel	1	12	
3050B	02/01/05	6010B	02/04/05	7782-49-2	Selenium	7	7	U
3050B	02/01/05	6010B	02/04/05	7440-22-4	Silver	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/04/05	7440-62-2	Vanadium	0.4	52.4	
3050B	02/01/05	6010B	02/04/05	7440-66-6	Zinc	0.9	115	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS104-010

SAMPLE

Lab Sample ID: HQ56D

LIMS ID: 05-1730

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/10/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Percent Total Solids: 57.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.3	11.5	
3050B	02/04/05	6010B	02/08/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/04/05	6010B	02/08/05	7440-47-3	Chromium	0.8	17.8	
3050B	02/04/05	6010B	02/08/05	7440-48-4	Cobalt	0.5	5.8	
3050B	02/04/05	6010B	02/08/05	7440-50-8	Copper	0.3	34.0	
3050B	02/04/05	6010B	02/08/05	7439-92-1	Lead	3	22	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.08	0.08	U
3050B	02/04/05	6010B	02/08/05	7439-98-7	Molybdenum	0.8	1.3	
3050B	02/04/05	6010B	02/08/05	7440-02-0	Nickel	2	13	
3050B	02/04/05	6010B	02/08/05	7782-49-2	Selenium	8	8	U
3050B	02/04/05	6010B	02/08/05	7440-22-4	Silver	0.5	0.5	U
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/04/05	6010B	02/08/05	7440-62-2	Vanadium	0.5	53.9	
3050B	02/04/05	6010B	02/08/05	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-SS109-010

SAMPLE

Lab Sample ID: HQ56F

LIMS ID: 05-1732

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 02/10/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Percent Total Solids: 46.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.4	17.4	
3050B	02/04/05	6010B	02/08/05	7440-43-9	Cadmium	0.4	3.6	
3050B	02/04/05	6010B	02/08/05	7440-47-3	Chromium	1	83	
3050B	02/04/05	6010B	02/08/05	7440-48-4	Cobalt	0.6	9.9	
3050B	02/04/05	6010B	02/08/05	7440-50-8	Copper	0.4	225	
3050B	02/04/05	6010B	02/08/05	7439-92-1	Lead	4	288	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.1	0.2	
3050B	02/04/05	6010B	02/08/05	7439-98-7	Molybdenum	1	8	
3050B	02/04/05	6010B	02/08/05	7440-02-0	Nickel	2	70	
3050B	02/04/05	6010B	02/08/05	7782-49-2	Selenium	10	10	U
3050B	02/04/05	6010B	02/08/05	7440-22-4	Silver	0.6	2.1	
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/04/05	6010B	02/08/05	7440-62-2	Vanadium	0.6	73.1	
3050B	02/04/05	6010B	02/08/05	7440-66-6	Zinc	1	1,690	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS110-010
SAMPLE

Lab Sample ID: HQ56E

LIMS ID: 05-1731

Matrix: Sediment

Data Release Authorized

Reported: 02/10/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Percent Total Solids: 51.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.4	24.7	
3050B	02/04/05	6010B	02/09/05	7440-43-9	Cadmium	1	2	
3050B	02/04/05	6010B	02/09/05	7440-47-3	Chromium	2	181	
3050B	02/04/05	6010B	02/09/05	7440-48-4	Cobalt	1	13	
3050B	02/04/05	6010B	02/09/05	7440-50-8	Copper	1	124	
3050B	02/04/05	6010B	02/09/05	7439-92-1	Lead	10	870	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.09	0.16	
3050B	02/04/05	6010B	02/09/05	7439-98-7	Molybdenum	2	18	
3050B	02/04/05	6010B	02/09/05	7440-02-0	Nickel	5	131	
3050B	02/04/05	6010B	02/09/05	7782-49-2	Selenium	20	20	U
3050B	02/04/05	6010B	02/09/05	7440-22-4	Silver	1	2	
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/04/05	6010B	02/09/05	7440-62-2	Vanadium	1	75	
3050B	02/04/05	6010B	02/09/05	7440-66-6	Zinc	3	385	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS-111-010

SAMPLE

Lab Sample ID: HQ69A

LIMS ID: 05-1809

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/07/05

QC Report No: HQ69-Windward Environmental, LLC

Project: LDW RL-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Percent Total Solids: 52.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/27/05	200.8	01/31/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/27/05	200.8	01/31/05	7440-38-2	Arsenic	0.4	31.7	
3050B	01/27/05	6010B	01/31/05	7440-43-9	Cadmium	0.9	1.3	
3050B	01/27/05	6010B	01/31/05	7440-47-3	Chromium	2	455	
3050B	01/27/05	6010B	01/31/05	7440-48-4	Cobalt	1	17	
3050B	01/27/05	6010B	01/31/05	7440-50-8	Copper	0.9	186	
3050B	01/27/05	6010B	01/31/05	7439-92-1	Lead	9	635	
CLP	01/27/05	7471A	02/01/05	7439-97-6	Mercury	0.09	0.17	
3050B	01/27/05	6010B	01/31/05	7439-98-7	Molybdenum	2	49	
3050B	01/27/05	6010B	01/31/05	7440-02-0	Nickel	4	387	
3050B	01/27/05	6010B	01/31/05	7782-49-2	Selenium	20	20	U
3050B	01/27/05	6010B	01/31/05	7440-22-4	Silver	1	3	
3050B	01/27/05	200.8	01/31/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/27/05	6010B	01/31/05	7440-62-2	Vanadium	1	87	
3050B	01/27/05	6010B	01/31/05	7440-66-6	Zinc	3	460	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS-112-010

SAMPLE

Lab Sample ID: HP90B

LIMS ID: 05-1220

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/07/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Percent Total Solids: 54.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/27/05	200.8	01/31/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/27/05	200.8	01/31/05	7440-38-2	Arsenic	0.4	481	
3050B	01/27/05	6010B	01/31/05	7440-43-9	Cadmium	0.4	0.7	
3050B	01/27/05	6010B	01/31/05	7440-47-3	Chromium	0.9	62.4	
3050B	01/27/05	6010B	01/31/05	7440-48-4	Cobalt	0.5	7.6	
3050B	01/27/05	6010B	01/31/05	7440-50-8	Copper	0.4	77.7	
3050B	01/27/05	6010B	01/31/05	7439-92-1	Lead	4	82	
CLP	01/27/05	7471A	02/01/05	7439-97-6	Mercury	0.08	0.08	U
3050B	01/27/05	6010B	01/31/05	7439-98-7	Molybdenum	0.9	3.5	
3050B	01/27/05	6010B	01/31/05	7440-02-0	Nickel	2	25	
3050B	01/27/05	6010B	01/31/05	7782-49-2	Selenium	9	9	U
3050B	01/27/05	6010B	01/31/05	7440-22-4	Silver	0.5	0.5	
3050B	01/27/05	200.8	01/31/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/27/05	6010B	01/31/05	7440-62-2	Vanadium	0.5	71.9	
3050B	01/27/05	6010B	01/31/05	7440-66-6	Zinc	1	206	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS113B-010
SAMPLE

Lab Sample ID: HQ17C

LIMS ID: 05-1407

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Percent Total Solids: 49.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.4	8.3	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	1	26	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.6	7.7	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.4	41.5	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	4	21	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.09	0.10	
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	1	2	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	18	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	10	10	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.6	0.6	U
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.6	64.2	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	1	86	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS114-010
SAMPLE

Lab Sample ID: HQ17A

LIMS ID: 05-1405

Matrix: Sediment

Data Release Authorized: *AK*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Percent Total Solids: 58.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.8	1,160	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.3	2.0	
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	0.8	48.8	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.5	9.0	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.3	58.4	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	3	100	
CLP	02/04/05	7471A	02/04/05	7439-97-6	Mercury	0.08	0.11	
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	0.8	3.4	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	27	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	8	8	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.5	0.7	
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.5	70.7	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	1	243	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS114-010

DUPLICATE

Lab Sample ID: HQ17A

LIMS ID: 05-1405

Matrix: Sediment

Data Release Authorized: *ML*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Arsenic	200.8	1,160	1,040	10.9%	+/- 20%	
Cadmium	6010B	2.0	1.1	58.1%	+/- 0.3	L*
Chromium	6010B	48.8	96.8	65.9%	+/- 20%	*
Cobalt	6010B	9.0	9.0	0.0%	+/- 20%	
Copper	6010B	58.4	58.6	0.3%	+/- 20%	
Lead	6010B	100	115	14.0%	+/- 20%	
Mercury	7471A	0.11	0.13	16.7%	+/- 0.08	L
Molybdenum	6010B	3.4	3.4	0.0%	+/- 0.8	L
Nickel	6010B	27	24	11.8%	+/- 20%	
Selenium	6010B	8 U	8 U	0.0%	+/- 8	L
Silver	6010B	0.7	0.9	25.0%	+/- 0.5	L
Thallium	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Vanadium	6010B	70.7	74.5	5.2%	+/- 20%	
Zinc	6010B	243	216	11.8%	+/- 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-SS115-010

SAMPLE

Lab Sample ID: HQ56G

LIMS ID: 05-1733

Matrix: Sediment

Data Release Authorized: *OK*

Reported: 02/10/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Percent Total Solids: 66.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.3	44.4	
3050B	02/04/05	6010B	02/09/05	7440-43-9	Cadmium	0.7	1.1	
3050B	02/04/05	6010B	02/09/05	7440-47-3	Chromium	2	55	
3050B	02/04/05	6010B	02/09/05	7440-48-4	Cobalt	1	11	
3050B	02/04/05	6010B	02/09/05	7440-50-8	Copper	0.7	99.7	
3050B	02/04/05	6010B	02/09/05	7439-92-1	Lead	7	98	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.05	0.07	
3050B	02/04/05	6010B	02/09/05	7439-98-7	Molybdenum	2	4	
3050B	02/04/05	6010B	02/09/05	7440-02-0	Nickel	4	35	
3050B	02/04/05	6010B	02/09/05	7782-49-2	Selenium	20	20	U
3050B	02/04/05	6010B	02/09/05	7440-22-4	Silver	1	1	
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/04/05	6010B	02/09/05	7440-62-2	Vanadium	1	81	
3050B	02/04/05	6010B	02/09/05	7440-66-6	Zinc	2	343	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS116-010
SAMPLE

Lab Sample ID: HQ17F

LIMS ID: 05-1410

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Percent Total Solids: 64.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.3	9.6	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	0.8	26.2	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.5	7.6	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.3	38.5	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	3	30	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.06	0.07	
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	0.8	1.2	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	20	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	8	8	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.5	0.5	U
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.5	61.3	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	0.9	92.8	

U-Analyte undetected at given RL

RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS117-010
SAMPLE

Lab Sample ID: HQ17B
LIMS ID: 05-1406
Matrix: Sediment
Data Release Authorized: *JL*
Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Percent Total Solids: 52.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.4	14.4	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	0.9	26.7	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.5	8.6	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.4	37.0	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	4	19	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.1	0.1	U
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	0.9	1.4	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	20	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	9	9	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.5	0.5	U
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.5	66.0	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	1	86	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS118-010
SAMPLE

Lab Sample ID: HQ17J

LIMS ID: 05-1414

Matrix: Sediment

Data Release Authorized: *AL*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Percent Total Solids: 46.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.4	13.0	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	1	29	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.6	8.5	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.4	47.4	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	4	28	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.08	0.12	
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	1	1	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	20	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	10	10	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.6	0.6	U
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.6	67.6	
3050B	01/28/05	6010B	02/01/05	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-SS-119-010

SAMPLE

Lab Sample ID: HP90C

LIMS ID: 05-1221

Matrix: Sediment

Data Release Authorized: 

Reported: 02/07/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Percent Total Solids: 55.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/27/05	200.8	01/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/27/05	200.8	01/31/05	7440-38-2	Arsenic	0.3	11.0	
3050B	01/27/05	6010B	01/31/05	7440-43-9	Cadmium	0.4	0.6	
3050B	01/27/05	6010B	01/31/05	7440-47-3	Chromium	0.9	35.6	
3050B	01/27/05	6010B	01/31/05	7440-48-4	Cobalt	0.5	8.4	
3050B	01/27/05	6010B	01/31/05	7440-50-8	Copper	0.4	46.5	
3050B	01/27/05	6010B	01/31/05	7439-92-1	Lead	4	61	
CLP	02/04/05	7471A	02/04/05	7439-97-6	Mercury	0.07	0.13	
3050B	01/27/05	6010B	01/31/05	7439-98-7	Molybdenum	0.9	1.7	
3050B	01/27/05	6010B	01/31/05	7440-02-0	Nickel	2	18	
3050B	01/27/05	6010B	01/31/05	7782-49-2	Selenium	9	9	U
3050B	01/27/05	6010B	01/31/05	7440-22-4	Silver	0.5	0.6	
3050B	01/27/05	200.8	01/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/27/05	6010B	01/31/05	7440-62-2	Vanadium	0.5	59.0	
3050B	01/27/05	6010B	01/31/05	7440-66-6	Zinc	1	115	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET
 TOTAL METALS
 Page 1 of 1

Sample ID: LDW-SS-119-010
 DUPLICATE

Lab Sample ID: HP90C
 LIMS ID: 05-1221
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/07/05

QC Report No: HP90-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/19/05
 Date Received: 01/19/05

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Arsenic	200.8	11.0	10.7	2.8%	+/- 20%	
Cadmium	6010B	0.6	0.6	0.0%	+/- 0.4	L
Chromium	6010B	35.6	39.6	10.6%	+/- 20%	
Cobalt	6010B	8.4	8.1	3.6%	+/- 20%	
Copper	6010B	46.5	47.1	1.3%	+/- 20%	
Lead	6010B	61	81	28.2%	+/- 20%	*
Mercury	7471A	0.13	0.19	37.5%	+/- 0.07	L
Molybdenum	6010B	1.7	1.6	6.1%	+/- 0.9	L
Nickel	6010B	18	19	5.4%	+/- 20%	
Selenium	6010B	9 U	9 U	0.0%	+/- 9	L
Silver	6010B	0.6	0.7	15.4%	+/- 0.5	L
Thallium	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Vanadium	6010B	59.0	58.5	0.9%	+/- 20%	
Zinc	6010B	115	114	0.9%	+/- 20%	

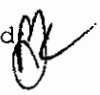
Reported in mg/kg-dry

*-Control Limit Not Met
 L-RPD Invalid, Limit = Detection Limit

**INORGANICS ANALYSIS DATA SHEET
TOTAL METALS**

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Sample ID: LDW-SS-120-010
SAMPLE

Lab Sample ID: HP90D
LIMS ID: 05-1222
Matrix: Sediment
Data Release Authorized: 
Reported: 02/07/05

QC Report No: HP90-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Percent Total Solids: 54.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/27/05	200.8	01/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/27/05	200.8	01/31/05	7440-38-2	Arsenic	0.3	15.6	
3050B	01/27/05	6010B	01/31/05	7440-43-9	Cadmium	0.3	1.4	
3050B	01/27/05	6010B	01/31/05	7440-47-3	Chromium	0.9	64.9	
3050B	01/27/05	6010B	01/31/05	7440-48-4	Cobalt	0.5	9.0	
3050B	01/27/05	6010B	01/31/05	7440-50-8	Copper	0.3	290	
3050B	01/27/05	6010B	01/31/05	7439-92-1	Lead	3	386	
CLP	01/27/05	7471A	02/01/05	7439-97-6	Mercury	0.09	0.20	
3050B	01/27/05	6010B	01/31/05	7439-98-7	Molybdenum	0.9	3.1	
3050B	01/27/05	6010B	01/31/05	7440-02-0	Nickel	2	25	
3050B	01/27/05	6010B	01/31/05	7782-49-2	Selenium	9	9	U
3050B	01/27/05	6010B	01/31/05	7440-22-4	Silver	0.5	0.9	
3050B	01/27/05	200.8	01/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/27/05	6010B	01/31/05	7440-62-2	Vanadium	0.5	61.7	
3050B	01/27/05	6010B	01/31/05	7440-66-6	Zinc	1	328	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS121-010

SAMPLE

Lab Sample ID: HQ56H

LIMS ID: 05-1734

Matrix: Sediment

Data Release Authorized *OR*

Reported: 02/10/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Percent Total Solids: 60.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.3	23.1	
3050B	02/04/05	6010B	02/09/05	7440-43-9	Cadmium	0.8	0.8	U
3050B	02/04/05	6010B	02/09/05	7440-47-3	Chromium	2	61	
3050B	02/04/05	6010B	02/09/05	7440-48-4	Cobalt	1	12	
3050B	02/04/05	6010B	02/09/05	7440-50-8	Copper	0.8	190	
3050B	02/04/05	6010B	02/09/05	7439-92-1	Lead	8	533	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.08	0.27	
3050B	02/04/05	6010B	02/09/05	7439-98-7	Molybdenum	2	9	
3050B	02/04/05	6010B	02/09/05	7440-02-0	Nickel	4	30	
3050B	02/04/05	6010B	02/09/05	7782-49-2	Selenium	20	20	U
3050B	02/04/05	6010B	02/09/05	7440-22-4	Silver	1	1	U
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/04/05	6010B	02/09/05	7440-62-2	Vanadium	1	60	
3050B	02/04/05	6010B	02/09/05	7440-66-6	Zinc	2	342	

U-Analyte undetected at given RL

RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS123-010
SAMPLE

Lab Sample ID: HQ48L

LIMS ID: 05-1653

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 68.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	7.2	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.3	0.3	
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	0.7	20.9	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.4	7.0	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.3	28.0	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	3	18	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.07	0.08	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	0.7	1.4	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	1	14	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	7	7	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.4	55.6	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	0.8	60.9	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS203-010
SAMPLE

Lab Sample ID: HQ48M

LIMS ID: 05-1654

Matrix: Sediment

Data Release Authorized

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 69.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	7.5	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.3	0.3	
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	0.7	18.8	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.4	6.6	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.3	27.6	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	3	17	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.06	0.08	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	0.7	1.3	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	1	13	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	7	7	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.4	54.5	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	0.8	58.7	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS125-010

SAMPLE

Lab Sample ID: HQ17D

LIMS ID: 05-1408

Matrix: Sediment

Data Release Authorized *ML*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Percent Total Solids: 47.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.4	8.6	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	1	27	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.6	9.1	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.4	39.0	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	4	18	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.07	0.09	
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	1	1	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	21	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	10	10	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.6	0.6	U
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.6	68.9	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	1	91	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS126-010
SAMPLE

Lab Sample ID: HQ17E

LIMS ID: 05-1409

Matrix: Sediment

Data Release Authorized: *BL*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Percent Total Solids: 48.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.4	0.4	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.4	7.3	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	1	24	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.6	8.5	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.4	34.9	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	4	17	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.1	0.1	U
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	1	1	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	19	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	10	10	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.6	0.6	U
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.4	0.4	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.6	63.8	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	1	82	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS127-010

SAMPLE

Lab Sample ID: HQ17G

LIMS ID: 05-1411

Matrix: Sediment

Data Release Authorized: *DL*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Percent Total Solids: 33.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.6	0.6	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.6	13.2	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.6	0.6	U
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	1	36	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.9	10.3	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.6	72.0	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	6	37	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.1	0.2	
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	1	2	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	3	25	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	10	10	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.9	0.9	U
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.6	0.6	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.9	89.6	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	2	141	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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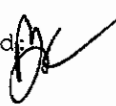
Sample ID: LDW-SS128-010

SAMPLE

Lab Sample ID: HQ48J

LIMS ID: 05-1651

Matrix: Sediment

Data Release Authorized: 

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 36.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.5	0.5	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.5	26.2	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.5	0.5	U
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	1	33	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.8	9.9	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.5	69.8	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	5	33	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.1	0.3	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	1	2	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	3	23	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	10	10	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.8	0.8	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.5	0.5	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.8	84.4	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	2	129	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS129-010

SAMPLE

Lab Sample ID: HQ17I

LIMS ID: 05-1413

Matrix: Sediment

Data Release Authorized *OK*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Percent Total Solids: 55.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.3	10.6	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	0.9	19.6	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.5	5.8	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.3	36.6	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	3	19	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.08	0.08	U
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	0.9	1.2	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	13	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	9	9	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.5	0.5	U
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.5	60.3	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	1	68	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS130-010

SAMPLE

Lab Sample ID: HQ17H

LIMS ID: 05-1412

Matrix: Sediment

Data Release Authorized: *OK*

Reported: 02/07/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Percent Total Solids: 38.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/28/05	200.8	02/01/05	7440-36-0	Antimony	0.5	0.5	U
3050B	01/28/05	200.8	02/01/05	7440-38-2	Arsenic	0.5	15.0	
3050B	01/28/05	6010B	02/01/05	7440-43-9	Cadmium	0.5	0.5	U
3050B	01/28/05	6010B	02/01/05	7440-47-3	Chromium	1	33	
3050B	01/28/05	6010B	02/01/05	7440-48-4	Cobalt	0.7	9.6	
3050B	01/28/05	6010B	02/01/05	7440-50-8	Copper	0.5	60.8	
3050B	01/28/05	6010B	02/01/05	7439-92-1	Lead	5	29	
CLP	01/28/05	7471A	02/01/05	7439-97-6	Mercury	0.1	0.1	
3050B	01/28/05	6010B	02/01/05	7439-98-7	Molybdenum	1	1	
3050B	01/28/05	6010B	02/01/05	7440-02-0	Nickel	2	22	
3050B	01/28/05	6010B	02/01/05	7782-49-2	Selenium	10	10	U
3050B	01/28/05	6010B	02/01/05	7440-22-4	Silver	0.7	0.7	U
3050B	01/28/05	200.8	02/01/05	7440-28-0	Thallium	0.5	0.5	U
3050B	01/28/05	6010B	02/01/05	7440-62-2	Vanadium	0.7	79.4	
3050B	01/28/05	6010B	02/01/05	7440-66-6	Zinc	1	115	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS134-010

SAMPLE

Lab Sample ID: HQ48V

LIMS ID: 05-1663

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 71.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.3	3.5	
3050B	02/01/05	6010B	02/04/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/01/05	6010B	02/04/05	7440-47-3	Chromium	0.6	15.7	
3050B	02/01/05	6010B	02/04/05	7440-48-4	Cobalt	0.4	4.7	
3050B	02/01/05	6010B	02/04/05	7440-50-8	Copper	0.3	25.2	
3050B	02/01/05	6010B	02/04/05	7439-92-1	Lead	3	4	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.07	0.07	U
3050B	02/01/05	6010B	02/04/05	7439-98-7	Molybdenum	0.6	0.8	
3050B	02/01/05	6010B	02/04/05	7440-02-0	Nickel	1	8	
3050B	02/01/05	6010B	02/04/05	7782-49-2	Selenium	6	6	U
3050B	02/01/05	6010B	02/04/05	7440-22-4	Silver	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/01/05	6010B	02/04/05	7440-62-2	Vanadium	0.4	52.2	
3050B	02/01/05	6010B	02/04/05	7440-66-6	Zinc	0.8	36.9	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS134-010

DUPLICATE

Lab Sample ID: HQ48V

LIMS ID: 05-1663

Matrix: Sediment

Data Release Authorized: *JL*

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Arsenic	200.8	3.5	3.4	2.9%	+/- 20%	
Cadmium	6010B	0.3 U	0.3 U	0.0%	+/- 0.3	L
Chromium	6010B	15.7	15.7	0.0%	+/- 20%	
Cobalt	6010B	4.7	4.6	2.2%	+/- 20%	
Copper	6010B	25.2	24.7	2.0%	+/- 20%	
Lead	6010B	4	4	0.0%	+/- 3	L
Mercury	7471A	0.07 U	0.07 U	0.0%	+/- 0.07	L
Molybdenum	6010B	0.8	0.8	0.0%	+/- 0.6	L
Nickel	6010B	8	8	0.0%	+/- 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	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Vanadium	6010B	52.2	51.2	1.9%	+/- 20%	
Zinc	6010B	36.9	39.4	6.6%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS142-010

SAMPLE

Lab Sample ID: HQ48K

LIMS ID: 05-1652

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/08/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Percent Total Solids: 49.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/01/05	200.8	02/03/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/01/05	200.8	02/03/05	7440-38-2	Arsenic	0.4	10.5	
3050B	02/01/05	6010B	02/05/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	02/01/05	6010B	02/05/05	7440-47-3	Chromium	1	24	
3050B	02/01/05	6010B	02/05/05	7440-48-4	Cobalt	0.6	7.9	
3050B	02/01/05	6010B	02/05/05	7440-50-8	Copper	0.4	33.5	
3050B	02/01/05	6010B	02/05/05	7439-92-1	Lead	4	17	
CLP	02/01/05	7471A	02/04/05	7439-97-6	Mercury	0.1	0.1	
3050B	02/01/05	6010B	02/05/05	7439-98-7	Molybdenum	1	1	
3050B	02/01/05	6010B	02/05/05	7440-02-0	Nickel	2	17	
3050B	02/01/05	6010B	02/05/05	7782-49-2	Selenium	10	10	U
3050B	02/01/05	6010B	02/05/05	7440-22-4	Silver	0.6	0.6	U
3050B	02/01/05	200.8	02/03/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/01/05	6010B	02/05/05	7440-62-2	Vanadium	0.6	70.8	
3050B	02/01/05	6010B	02/05/05	7440-66-6	Zinc	1	88	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS143-010

SAMPLE

Lab Sample ID: HQ57C

LIMS ID: 05-1738

Matrix: Sediment

Data Release Authorized: *MA*

Reported: 02/10/05

QC Report No: HQ57-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/26/05

Date Received: 01/26/05

Percent Total Solids: 54.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/04/05	200.8	02/09/05	7440-36-0	Antimony	0.4	0.4	U
3050B	02/04/05	200.8	02/09/05	7440-38-2	Arsenic	0.4	8.8	
3050B	02/04/05	6010B	02/08/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/04/05	6010B	02/08/05	7440-47-3	Chromium	0.9	22.1	
3050B	02/04/05	6010B	02/08/05	7440-48-4	Cobalt	0.5	9.6	
3050B	02/04/05	6010B	02/08/05	7440-50-8	Copper	0.3	34.4	
3050B	02/04/05	6010B	02/08/05	7439-92-1	Lead	3	19	
CLP	02/04/05	7471A	02/09/05	7439-97-6	Mercury	0.07	0.07	
3050B	02/04/05	6010B	02/08/05	7439-98-7	Molybdenum	0.9	1.1	
3050B	02/04/05	6010B	02/08/05	7440-02-0	Nickel	2	20	
3050B	02/04/05	6010B	02/08/05	7782-49-2	Selenium	9	9	U
3050B	02/04/05	6010B	02/08/05	7440-22-4	Silver	0.5	0.5	U
3050B	02/04/05	200.8	02/09/05	7440-28-0	Thallium	0.4	0.4	U
3050B	02/04/05	6010B	02/08/05	7440-62-2	Vanadium	0.5	65.5	
3050B	02/04/05	6010B	02/08/05	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-SSCR20-010

SAMPLE

Lab Sample ID: HQ93A

LIMS ID: 05-2010

Matrix: Sediment

Data Release Authorized: *Be*

Reported: 02/17/05

QC Report No: HQ93-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/28/05

Date Received: 01/29/05

Percent Total Solids: 62.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/08/05	200.8	02/10/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/08/05	200.8	02/10/05	7440-38-2	Arsenic	0.3	3.5	
3050B	02/08/05	6010B	02/14/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/08/05	6010B	02/14/05	7440-47-3	Chromium	0.8	32.5	
3050B	02/08/05	6010B	02/14/05	7440-48-4	Cobalt	0.5	6.4	
3050B	02/08/05	6010B	02/14/05	7440-50-8	Copper	0.3	19.7	
3050B	02/08/05	6010B	02/14/05	7439-92-1	Lead	3	5	
CLP	02/08/05	7471A	02/09/05	7439-97-6	Mercury	0.08	0.08	U
3050B	02/08/05	6010B	02/14/05	7439-98-7	Molybdenum	0.8	1.3	
3050B	02/08/05	6010B	02/14/05	7440-02-0	Nickel	2	31	
3050B	02/08/05	6010B	02/14/05	7782-49-2	Selenium	8	8	U
3050B	02/08/05	6010B	02/14/05	7440-22-4	Silver	0.5	0.5	U
3050B	02/08/05	200.8	02/10/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/08/05	6010B	02/14/05	7440-62-2	Vanadium	0.5	51.5	
3050B	02/08/05	6010B	02/14/05	7440-66-6	Zinc	1	42	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS
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Sample ID: LDW-SSCR20-010
DUPLICATE

Lab Sample ID: HQ93A
LIMS ID: 05-2010
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/17/05

QC Report No: HQ93-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/28/05
Date Received: 01/29/05

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	200.8	0.3 U	0.3	0.0%	+/- 0.3	L
Arsenic	200.8	3.5	3.6	2.8%	+/- 20%	
Cadmium	6010B	0.3 U	0.3 U	0.0%	+/- 0.3	L
Chromium	6010B	32.5	32.3	0.6%	+/- 20%	
Cobalt	6010B	6.4	6.5	1.6%	+/- 20%	
Copper	6010B	19.7	20.1	2.0%	+/- 20%	
Lead	6010B	5	5	0.0%	+/- 3	L
Mercury	7471A	0.08 U	0.08 U	0.0%	+/- 0.08	L
Molybdenum	6010B	1.3	1.2	8.0%	+/- 0.8	L
Nickel	6010B	31	31	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	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Vanadium	6010B	51.5	51.4	0.2%	+/- 20%	
Zinc	6010B	42	42	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-SSCR23-010

SAMPLE

Lab Sample ID: HQ93B

LIMS ID: 05-2011

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 02/17/05

QC Report No: HQ93-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/28/05

Date Received: 01/29/05

Percent Total Solids: 66.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/08/05	200.8	02/10/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/08/05	200.8	02/10/05	7440-38-2	Arsenic	0.3	3.3	
3050B	02/08/05	6010B	02/14/05	7440-43-9	Cadmium	0.3	0.3	
3050B	02/08/05	6010B	02/14/05	7440-47-3	Chromium	0.7	26.0	
3050B	02/08/05	6010B	02/14/05	7440-48-4	Cobalt	0.4	5.0	
3050B	02/08/05	6010B	02/14/05	7440-50-8	Copper	0.3	14.9	
3050B	02/08/05	6010B	02/14/05	7439-92-1	Lead	3	4	
CLP	02/08/05	7471A	02/09/05	7439-97-6	Mercury	0.07	0.07	U
3050B	02/08/05	6010B	02/14/05	7439-98-7	Molybdenum	0.7	1.3	
3050B	02/08/05	6010B	02/14/05	7440-02-0	Nickel	1	24	
3050B	02/08/05	6010B	02/14/05	7782-49-2	Selenium	7	7	U
3050B	02/08/05	6010B	02/14/05	7440-22-4	Silver	0.4	0.4	U
3050B	02/08/05	200.8	02/10/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/08/05	6010B	02/14/05	7440-62-2	Vanadium	0.4	38.7	
3050B	02/08/05	6010B	02/14/05	7440-66-6	Zinc	0.8	33.2	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-MSMP43-010

SAMPLE

Lab Sample ID: HQ93C

LIMS ID: 05-2012

Matrix: Sediment

Data Release Authorized

Reported: 02/17/05

QC Report No: HQ93-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/28/05

Date Received: 01/29/05

Percent Total Solids: 76.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/08/05	200.8	02/10/05	7440-36-0	Antimony	0.3	0.3	U
3050B	02/08/05	200.8	02/10/05	7440-38-2	Arsenic	0.3	1.8	
3050B	02/08/05	6010B	02/16/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	02/08/05	6010B	02/16/05	7440-47-3	Chromium	0.7	12.6	
3050B	02/08/05	6010B	02/16/05	7440-48-4	Cobalt	0.4	2.5	
3050B	02/08/05	6010B	02/16/05	7440-50-8	Copper	0.3	4.7	
3050B	02/08/05	6010B	02/16/05	7439-92-1	Lead	3	3	
CLP	02/08/05	7471A	02/09/05	7439-97-6	Mercury	0.05	0.05	U
3050B	02/08/05	6010B	02/16/05	7439-98-7	Molybdenum	0.7	0.7	U
3050B	02/08/05	6010B	02/16/05	7440-02-0	Nickel	1	10	
3050B	02/08/05	6010B	02/16/05	7782-49-2	Selenium	7	7	U
3050B	02/08/05	6010B	02/16/05	7440-22-4	Silver	0.4	0.4	U
3050B	02/08/05	200.8	02/10/05	7440-28-0	Thallium	0.3	0.3	U
3050B	02/08/05	6010B	02/16/05	7440-62-2	Vanadium	0.4	17.2	
3050B	02/08/05	6010B	02/16/05	7440-66-6	Zinc	0.8	15.1	

U-Analyte undetected at given RL

RL-Reporting Limit

LDW and reference surface sediment samples: Butyltins

ORGANICS ANALYSIS DATA SHEET
TBT by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS4-010
SAMPLE

Lab Sample ID: HP67B
LIMS ID: 05-1083
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 08/03/05

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 01/22/05
Date Analyzed: 01/25/05 14:50
Instrument/Analyst: NT2/VTS
Alumina Cleanup: YES

Sample Amount: 5.19 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 54.9%
pH: 7.2

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.7	19
DBT_ION	Dibutyl Tin Ion	5.6	< 5.6 U
BT_ION	Butyl Tin Ion	3.9	< 3.9 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	71.7%
Triphenyl Tin Chloride	69.0%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS14-010

SAMPLE

Lab Sample ID: HP67F

LIMS ID: 05-1087

Matrix: Sediment

Data Release Authorized:

Reported: 08/03/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/22/05

Date Analyzed: 01/25/05 15:10

Instrument/Analyst: NT2/VTS

Alumina Cleanup: YES

Sample Amount: 5.27 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 19.0%

pH: 7.4

CAS Number	Analyte	RL	Result
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 µg/kg (ppb)


TBT Surrogate Recovery

Tripropyl Tin Chloride	71.3%
Tripenyl Tin Chloride	72.5%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS15-010
SAMPLE

Lab Sample ID: HP67G
LIMS ID: 05-1088
Matrix: Sediment
Data Release Authorized: 
Reported: 08/03/05

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 01/22/05
Date Analyzed: 01/25/05 16:09
Instrument/Analyst: NT2/VTS
Alumina Cleanup: YES

Sample Amount: 5.18 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 50.7%
pH: 7.3

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.7	28
DBT_ION	Dibutyl Tin Ion	5.6	6.6
BT_ION	Butyl Tin Ion	3.9	< 3.9 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	59.1%
Tripropyl Tin Chloride	65.5%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS20-010
SAMPLE

Lab Sample ID: HR48B
LIMS ID: 05-2442
Matrix: Sediment
Data Release Authorized:
Reported: 08/03/05

QC Report No: HR48-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Date Extracted: 02/08/05
Date Analyzed: 02/09/05 14:51
Instrument/Analyst: NT2/VTS
Alumina Cleanup: YES

Sample Amount: 5.07 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 32.7%
pH: 7.3

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	12
DBT_ION	Dibutyl Tin Ion	5.7	< 5.7 U
BT_ION	Butyl Tin Ion	4.0	< 4.0 U


Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	74.8%
Tripentyl Tin Chloride	72.2%

ORGANICS ANALYSIS DATA SHEET
TBT by Selected Ion Monitoring GC/MS
 Page 1 of 1

Sample ID: LDW-SS27-010
SAMPLE

Lab Sample ID: HP70D
 LIMS ID: 05-1101
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 08/03/05

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/18/05
 Date Received: 01/18/05

Date Extracted: 01/22/05
 Date Analyzed: 01/25/05 16:48
 Instrument/Analyst: NT2/VTS
 Alumina Cleanup: YES

Sample Amount: 5.15 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 53.2%
 pH: 7.4

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	34
DBT_ION	Dibutyl Tin Ion	5.6	9.0
BT_ION	Butyl Tin Ion	4.0	< 4.0 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	64.7%
Tripentyl Tin Chloride	66.9%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS200-010


SAMPLE

Lab Sample ID: HP70E

LIMS ID: 05-1102

Matrix: Sediment

Data Release Authorized:

Reported: 08/03/05 

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/22/05

Date Analyzed: 01/25/05 17:07

Instrument/Analyst: NT2/VTS

Alumina Cleanup: YES

Sample Amount: 5.14 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 53.3%

pH: 7.3

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	22
DBT_ION	Dibutyl Tin Ion	5.6	< 5.6 U
BT_ION	Butyl Tin Ion	4.0	< 4.0 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	70.7%
Tripenyl Tin Chloride	72.6%

ORGANICS ANALYSIS DATA SHEET

Tributyl Tins by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS28-010
SAMPLE

Lab Sample ID: HQ48U

LIMS ID: 05-1662

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 08/05/05

QC Report No: HQ48-Windward Environmental, LLC
Project:

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 01/29/05

Date Analyzed: 02/02/05 19:39

Instrument/Analyst: NT2/VTS

Silica Gel Cleanup: No

Sample Amount: 5.17 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Alumina Cleanup: Yes

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	7.5	
DBT_ION	Dibutyl Tin Ion	5.6	3.9	J
BT_ION	Butyl Tin Ion	3.9	< 3.9	


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

TBT Surrogate Recovery

Tripropyl Tin Chloride	66.4%
Tripropyl Tin Chloride	72.2%

ORGANICS ANALYSIS DATA SHEET
TBT by Selected Ion Monitoring GC/MS
 Page 1 of 1

Sample ID: LDW-SS31-010
SAMPLE

Lab Sample ID: HQ27G
 LIMS ID: 05-1485
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 08/03/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 01/29/05
 Date Analyzed: 02/02/05 17:04
 Instrument/Analyst: NT2/VTS
 Alumina Cleanup: YES

Sample Amount: 5.09 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 53.8%
 pH: 7.3

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	81
DBT_ION	Dibutyl Tin Ion	5.7	30
BT_ION	Butyl Tin Ion	4.0	4.8

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	71.5%
Triphenyl Tin Chloride	75.8%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1


Sample ID: LDW-SS32-010

SAMPLE

Lab Sample ID: HP70F

LIMS ID: 05-1103

Matrix: Sediment

Data Release Authorized: 

Reported: 08/03/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/22/05

Date Analyzed: 01/25/05 17:27

Instrument/Analyst: NT2/VTS

Alumina Cleanup: YES

Sample Amount: 5.24 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 50.3%

pH: 7.5

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.7	33
DBT_ION	Dibutyl Tin Ion	5.5	11
BT_ION	Butyl Tin Ion	3.9	< 3.9 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	74.9%
Tripenyl Tin Chloride	74.0%

ORGANICS ANALYSIS DATA SHEET
TBT by Selected Ion Monitoring GC/MS
 Page 1 of 1

Sample ID: LDW-SS33-010
SAMPLE

Lab Sample ID: HQ57A
 LIMS ID: 05-1736
 Matrix: Sediment
 Data Release Authorized:
 Reported: 08/03/05

QC Report No: HQ57-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/26/05
 Date Received: 01/26/05

Date Extracted: 01/29/05
 Date Analyzed: 02/02/05 19:59
 Instrument/Analyst: NT2/VTS
 Alumina Cleanup: YES

Sample Amount: 5.01 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 33.3%
 pH: 7.0

CAS Number	Analyte	RL	Result
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 µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	64.7%
Triphenyl Tin Chloride	72.2%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS38-010
SAMPLE

Lab Sample ID: HP70H
LIMS ID: 05-1105
Matrix: Sediment
Data Release Authorized:
Reported: 08/03/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/22/05
Date Analyzed: 01/25/05 17:47
Instrument/Analyst: NT2/VTS
Alumina Cleanup: YES

Sample Amount: 5.15 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 53.2%
pH: 7.2

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	23
DBT_ION	Dibutyl Tin Ion	5.6	7.9
BT_ION	Butyl Tin Ion	4.0	< 4.0 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	57.9%
Triphenyl Tin Chloride	66.9%



ORGANICS ANALYSIS DATA SHEET
 TBT by Selected Ion Monitoring GC/MS
 Page 1 of 1

Sample ID: LDW-SS43-010
 SAMPLE

Lab Sample ID: HQ27A
 LIMS ID: 05-1479
 Matrix: Sediment
 Data Release Authorized:
 Reported: 08/03/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 01/29/05
 Date Analyzed: 02/02/05 16:44
 Instrument/Analyst: NT2/VTS
 Alumina Cleanup: YES

Sample Amount: 5.04 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 49.7%
 pH: 7.0

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	99
DBT_ION	Dibutyl Tin Ion	5.7	26
BT_ION	Butyl Tin Ion	4.0	< 4.0 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	71.5%
Triphenyl Tin Chloride	70.5%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS49-010
SAMPLE

Lab Sample ID: HQ57B
LIMS ID: 05-1737
Matrix: Sediment
Data Release Authorized: *MS*
Reported: 08/03/05

QC Report No: HQ57-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/26/05
Date Received: 01/26/05

Date Extracted: 01/29/05
Date Analyzed: 02/02/05 20:18
Instrument/Analyst: NT2/VTS
Alumina Cleanup: YES

Sample Amount: 5.09 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 46.5%
pH: 6.8

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	140
DBT_ION	Dibutyl Tin Ion	5.7	59
BT_ION	Butyl Tin Ion	4.0	8.0

Reported in ug/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	64.7%
Tripentyl Tin Chloride	72.2%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS51-010
SAMPLE

Lab Sample ID: HP70K
LIMS ID: 05-1108
Matrix: Sediment
Data Release Authorized:
Reported: 08/03/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/22/05
Date Analyzed: 01/25/05 18:06
Instrument/Analyst: NT2/VTS
Alumina Cleanup: YES

Sample Amount: 5.23 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 52.5%
pH: 7.4

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.7	28
DBT_ION	Dibutyl Tin Ion	5.5	7.8
BT_ION	Butyl Tin Ion	3.9	< 3.9 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	71.5%
Tripropyl Tin Chloride	70.5%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS55-010

SAMPLE

Lab Sample ID: HQ48C

LIMS ID: 05-1644

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 08/03/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 01/29/05

Date Analyzed: 02/02/05 18:21

Instrument/Analyst: NT2/VTS

Alumina Cleanup: YES

Sample Amount: 5.23 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 38.5%

pH: 7.5

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

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	76.6%
Triphenyl Tin Chloride	77.5%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS56-010

SAMPLE

Lab Sample ID: HQ48T

LIMS ID: 05-1661

Matrix: Sediment

Data Release Authorized:

Reported: 08/03/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 01/29/05

Date Analyzed: 02/02/05 19:20

Instrument/Analyst: NT2/VTS

Alumina Cleanup: YES

Sample Amount: 5.32 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 33.5%

pH: 7.3

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.6	96
DBT_ION	Dibutyl Tin Ion	5.4	23
BT_ION	Butyl Tin Ion	3.8	< 3.8 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	68.1%
Tripropyl Tin Chloride	68.7%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS58-010


SAMPLE

Lab Sample ID: HQ48R

LIMS ID: 05-1659

Matrix: Sediment

Data Release Authorized:

Reported: 08/03/05 

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 01/29/05

Date Analyzed: 02/02/05 19:00

Instrument/Analyst: NT2/VTS

Alumina Cleanup: YES

Sample Amount: 5.06 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 49.5%

pH: 7.1

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	28
DBT_ION	Dibutyl Tin Ion	5.7	6.9
BT_ION	Butyl Tin Ion	4.0	< 4.0 U


Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	61.3%
Tripropyl Tin Chloride	74.0%

ORGANICS ANALYSIS DATA SHEET
TBT by Selected Ion Monitoring GC/MS
 Page 1 of 1

Sample ID: LDW-SS67-010
SAMPLE

Lab Sample ID: HQ27H
 LIMS ID: 05-1486
 Matrix: Sediment
 Data Release Authorized:
 Reported: 08/03/05 

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 01/29/05
 Date Analyzed: 02/02/05 17:23
 Instrument/Analyst: NT2/VTS
 Alumina Cleanup: YES

Sample Amount: 5.29 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 24.5%
 pH: 7.8

CAS Number	Analyte	RL	Result
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 µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	61.3%
Tripropyl Tin Chloride	61.7%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS79-010

SAMPLE

Lab Sample ID: HQ48E

LIMS ID: 05-1646

Matrix: Sediment

Data Release Authorized:

Reported: 08/03/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 01/29/05

Date Analyzed: 02/02/05 18:41

Instrument/Analyst: NT2/VTS

Alumina Cleanup: YES

Sample Amount: 5.22 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 45.0%

pH: 7.2

CAS Number	Analyte	RL	Result
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 µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	63.0%
Tripenyl Tin Chloride	65.2%

LDW and reference surface sediment samples: Semivolatile organic compounds

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS1-010

SAMPLE

Lab Sample ID: HP67A

LIMS ID: 05-1082

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 02/01/05 17:16

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 22.9%

pH: 7.1

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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
621-64-7	N-Nitroso-Di-N-Propylamine	97	< 97 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
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
87-68-3	Hexachlorobutadiene	19	< 19 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS1-010

SAMPLE

Lab Sample ID: HP67A

LIMS ID: 05-1082

Matrix: Sediment

Date Analyzed: 02/01/05 17:16

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	97	< 97 U
85-01-8	Phenanthrene	19	50
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	21
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	120
129-00-0	Pyrene	19	140
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	61
117-81-7	bis (2-Ethylhexyl)phthalate	19	67 B
218-01-9	Chrysene	19	130
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	110
207-08-9	Benzo (k) fluoranthene	19	74
50-32-8	Benzo (a) pyrene	19	91
193-39-5	Indeno (1,2,3-cd) pyrene	19	50
53-70-3	Dibenz (a,h) anthracene	19	< 19 U
191-24-2	Benzo (g,h,i) perylene	19	50
62-53-3	Aniline	19	< 19 U
62-75-9	N-Nitrosodimethylamine	97	< 97 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	73.2%	2-Fluorobiphenyl	83.2%
d14-p-Terphenyl	79.2%	d4-1,2-Dichlorobenzene	75.6%
d5-Phenol	77.3%	2-Fluorophenol	48.8%
2,4,6-Tribromophenol	103%	d4-2-Chlorophenol	82.4%

✓ = in DB 2009-05-13



ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS1-010

Page 1 of 1

SAMPLE

Lab Sample ID: HU13A

QC Report No: HU13-Windward Environmental

LIMS ID: 05-3944

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/17/05

Reported: 03/15/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Sample Amount: 7.73 g-dry-wt

Date Analyzed: 03/04/05 12:32

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 22.9 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	16
205-99-2	Benzo (b) fluoranthene	6.5	26
50-32-8	Benzo (a) pyrene	6.5	18
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	10
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	3.2	< 3.2 UJ ✓
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	54 J
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	17 B
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	60.4%	d5-Phenol	59.2%
2-Fluorophenol	54.7%	d4-2-Chlorophenol	61.1%
d4-1,2-Dichlorobenzene	54.4%	d5-Nitrobenzene	54.8%
2,4,6-Tribromophenol	63.7%	d14-p-Terphenyl	72.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2


Sample ID: LDW-SS4-010

SAMPLE

Lab Sample ID: HP67B

LIMS ID: 05-1083

Matrix: Sediment

Data Release Authorized: 

Reported: 02/09/05

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 02/01/05 17:49

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 54.9%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS4-010

SAMPLE

Lab Sample ID: HP67B

LIMS ID: 05-1083

Matrix: Sediment

Date Analyzed: 02/01/05 17:49

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	77
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	21
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	320
129-00-0	Pyrene	20	230
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	74
117-81-7	bis (2-Ethylhexyl) phthalate	20	83 B
218-01-9	Chrysene	20	180
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	57
50-32-8	Benzo (a) pyrene	20	65
193-39-5	Indeno (1,2,3-cd) pyrene	20	33
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	32
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	70.0%	2-Fluorobiphenyl	76.0%
d14-p-Terphenyl	69.2%	d4-1,2-Dichlorobenzene	67.2%
d5-Phenol	75.5%	2-Fluorophenol	65.6%
2,4,6-Tribromophenol	99.7%	d4-2-Chlorophenol	79.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS4-010

Page 1 of 1

SAMPLE

Lab Sample ID: HP67B

QC Report No: HP67-Windward Environmental, LLC

LIMS ID: 05-1083

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/17/05

Reported: 06/15/05

Date Received: 01/17/05

Date Extracted: 01/26/05

Sample Amount: 3.39 g-dry-wt

Date Analyzed: 02/01/05 16:20

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 54.9 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	15	200
205-99-2	Benzo (b) fluoranthene	15	320
50-32-8	Benzo (a) pyrene	15	190
193-39-5	Indeno (1,2,3-cd) pyrene	15	120
106-46-7	1,4-Dichlorobenzene	15	< 15 U
120-82-1	1,2,4-Trichlorobenzene	15	< 15 U
118-74-1	Hexachlorobenzene	7.4	< 7.4 UJ
87-68-3	Hexachlorobutadiene	15	< 15 U
65-85-0	Benzoic Acid	150	< 150 U
131-11-3	Dimethylphthalate	15	< 15 U
84-66-2	Diethylphthalate	15	< 15 U
85-68-7	Butylbenzylphthalate	15	< 15 U
95-48-7	2-Methylphenol	15	< 15 U
105-67-9	2,4-Dimethylphenol	15	< 15 U
86-30-6	N-Nitrosodiphenylamine	15	< 15 U
100-51-6	Benzyl Alcohol	74	< 74 U
87-86-5	Pentachlorophenol	74	< 74 U
95-50-1	1,2-Dichlorobenzene	15	< 15 U
621-64-7	N-Nitroso-Di-N-Propylamine	74	< 74 U
62-75-9	N-Nitrosodimethylamine	74	< 74 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	50.4%	d5-Phenol	51.2%
2-Fluorophenol	47.7%	d4-2-Chlorophenol	48.5%
d4-1,2-Dichlorobenzene	43.2%	d5-Nitrobenzene	45.6%
2,4,6-Tribromophenol	64.8%	d14-p-Terphenyl	61.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS5-010

SAMPLE

Lab Sample ID: HP67C

LIMS ID: 05-1084

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/09/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 02/01/05 18:22

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.5 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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	34
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS5-010

SAMPLE

Lab Sample ID: HP67C

QC Report No: HP67-Windward Environmental, LLC

LIMS ID: 05-1084

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 02/01/05 18:22

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	66
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	140
129-00-0	Pyrene	20	110
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	42
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	76
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	69
207-08-9	Benzo (k) fluoranthene	20	44
50-32-8	Benzo (a) pyrene	20	65
193-39-5	Indeno (1,2,3-cd)pyrene	20	39
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	37
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	73.6%	2-Fluorobiphenyl	83.2%
d14-p-Terphenyl	72.4%	d4-1,2-Dichlorobenzene	75.6%
d5-Phenol	75.7%	2-Fluorophenol	56.0%
2,4,6-Tribromophenol	97.3%	d4-2-Chlorophenol	81.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS5-010
SAMPLE

Lab Sample ID: HU13B
LIMS ID: 05-3945
Matrix: Sediment
Data Release Authorized:
Reported: 03/15/05

QC Report No: HU13-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 03/03/05
Date Analyzed: 03/04/05 14:10
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.68 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 23.2 %
pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	10
205-99-2	Benzo (b) fluoranthene	6.5	9.1
50-32-8	Benzo (a) pyrene	6.5	9.1
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	5.9 J
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	3.3	< 3.3 UJ ✓
118-74-1	Hexachlorobenzene	3.3	< 3.3 UJ ✓
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	14 B
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	69.2%	d5-Phenol	61.9%
2-Fluorophenol	67.7%	d4-2-Chlorophenol	65.3%
d4-1,2-Dichlorobenzene	61.6%	d5-Nitrobenzene	61.2%
2,4,6-Tribromophenol	78.7%	d14-p-Terphenyl	80.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 1 of 2

Sample ID: LDW-SS10-010
 SAMPLE

Lab Sample ID: HP67D
 LIMS ID: 05-1085
 Matrix: Sediment
 Data Release Authorized: *AS*
 Reported: 02/09/05

QC Report No: HP67-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/17/05
 Date Received: 01/17/05

Date Extracted: 01/24/05
 Date Analyzed: 02/01/05 18:55
 Instrument/Analyst: NT6/LJR
 GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 51.1%
 pH: 7.4

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS10-010

SAMPLE

Lab Sample ID: HP67D

LIMS ID: 05-1085

Matrix: Sediment

Date Analyzed: 02/01/05 18:55

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	70
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	29
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	190
129-00-0	Pyrene	20	150
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	94
117-81-7	bis (2-Ethylhexyl) phthalate	20	82 B
218-01-9	Chrysene	20	190
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	130
207-08-9	Benzo (k) fluoranthene	20	84
50-32-8	Benzo (a) pyrene	20	100
193-39-5	Indeno (1,2,3-cd) pyrene	20	39
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
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	71.2%	2-Fluorobiphenyl	79.2%
d14-p-Terphenyl	68.0%	d4-1,2-Dichlorobenzene	68.0%
d5-Phenol	75.7%	2-Fluorophenol	70.4%
2,4,6-Tribromophenol	101%	d4-2-Chlorophenol	80.8%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS10-010

Page 1 of 1

SAMPLE

Lab Sample ID: HP67D

QC Report No: HP67-Windward Environmental, LLC

LIMS ID: 05-1085

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/17/05

Reported: 09/12/05

Date Received: 01/17/05

Date Extracted: 01/26/05

Sample Amount: 3.69 g-dry-wt

Date Analyzed: 01/31/05 18:40

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/VTS

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 51.1 %

pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	14	320
205-99-2	Benzo (b) fluoranthene	14	340
50-32-8	Benzo (a) pyrene	14	380
193-39-5	Indeno (1,2,3-cd) pyrene	14	220
106-46-7	1,4-Dichlorobenzene	14	< 14 U
120-82-1	1,2,4-Trichlorobenzene	7.0	< 7.0 UJ
118-74-1	Hexachlorobenzene	4.0	< 4.0 UJ
87-68-3	Hexachlorobutadiene	14	< 14 U
65-85-0	Benzoic Acid	140	< 140 U
131-11-3	Dimethylphthalate	14	< 14 U
84-66-2	Diethylphthalate	14	< 14 U
85-68-7	Butylbenzylphthalate	14	26
95-48-7	2-Methylphenol	14	< 14 U
105-67-9	2,4-Dimethylphenol	14	< 14 U
86-30-6	N-Nitrosodiphenylamine	14	< 14 U
100-51-6	Benzyl Alcohol	68	< 68 U
87-86-5	Pentachlorophenol	68	< 68 U
95-50-1	1,2-Dichlorobenzene	14	< 14 U
621-64-7	N-Nitroso-Di-N-Propylamine	68	< 68 U
62-75-9	N-Nitrosodimethylamine	68	< 68 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	70.0%	d5-Phenol	69.6%
2-Fluorophenol	63.5%	d4-2-Chlorophenol	66.9%
d4-1,2-Dichlorobenzene	55.6%	d5-Nitrobenzene	63.2%
2,4,6-Tribromophenol	81.1%	d14-p-Terphenyl	74.4%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS12-010
SAMPLE

Lab Sample ID: HP67E
LIMS ID: 05-1086
Matrix: Sediment
Data Release Authorized:
Reported: 02/09/05 *AB*

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 01/24/05
Date Analyzed: 02/01/05 19:28
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 26.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 40.7%
pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	25
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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
621-64-7	N-Nitroso-Di-N-Propylamine	96	< 96 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
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	96	< 96 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	96	< 96 U
87-68-3	Hexachlorobutadiene	19	< 19 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS12-010

SAMPLE

Lab Sample ID: HP67E

QC Report No: HP67-Windward Environmental, LLC

LIMS ID: 05-1086

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 02/01/05 19:28

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	96	< 96 U
85-01-8	Phenanthrene	19	180
86-74-8	Carbazole	19	23
120-12-7	Anthracene	19	36
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	390
129-00-0	Pyrene	19	280
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	96	< 96 U
56-55-3	Benzo (a) anthracene	19	120
117-81-7	bis (2-Ethylhexyl) phthalate	19	180 B
218-01-9	Chrysene	19	260
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	170
207-08-9	Benzo (k) fluoranthene	19	130
50-32-8	Benzo (a) pyrene	19	140
193-39-5	Indeno (1,2,3-cd) pyrene	19	53
53-70-3	Dibenz (a,h) anthracene	19	22
191-24-2	Benzo (g,h,i) perylene	19	47
62-53-3	Aniline	19	< 19 U
62-75-9	N-Nitrosodimethylamine	96	< 96 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.0%	2-Fluorobiphenyl	82.0%
d14-p-Terphenyl	72.0%	d4-1,2-Dichlorobenzene	69.6%
d5-Phenol	75.7%	2-Fluorophenol	73.3%
2,4,6-Tribromophenol	101%	d4-2-Chlorophenol	81.9%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS12-010
SAMPLE

Lab Sample ID: HU13C
LIMS ID: 05-3946
Matrix: Sediment
Data Release Authorized:
Reported: 03/07/05

QC Report No: HU13-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 03/03/05
Date Analyzed: 03/04/05 14:43
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.73 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 40.7 %
pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	45
205-99-2	Benzo (b) fluoranthene	6.5	50
50-32-8	Benzo (a) pyrene	6.5	41
193-39-5	Indeno (1, 2, 3-cd) pyrene	6.5	34
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	14 B
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	6.5
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	75.6%	d5-Phenol	63.2%
2-Fluorophenol	68.8%	d4-2-Chlorophenol	67.2%
d4-1,2-Dichlorobenzene	64.8%	d5-Nitrobenzene	66.8%
2,4,6-Tribromophenol	86.1%	d14-p-Terphenyl	88.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS13-010

SAMPLE

Lab Sample ID: HP67J

LIMS ID: 05-1091

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/09/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 02/01/05 22:42

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 46.3%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	97	< 97 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	97	< 97 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS13-010
SAMPLE

Lab Sample ID: HP67J
LIMS ID: 05-1091
Matrix: Sediment
Date Analyzed: 02/01/05 22:42

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	97	< 97 U
85-01-8	Phenanthrene	20	56
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	26
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	190
129-00-0	Pyrene	20	170
85-68-7	Butylbenzylphthalate	20	30
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	20	84
117-81-7	bis (2-Ethylhexyl) phthalate	20	180 B
218-01-9	Chrysene	20	160
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	96
50-32-8	Benzo (a) pyrene	20	92
193-39-5	Indeno (1,2,3-cd) pyrene	20	35
53-70-3	Dibenz (a,h) anthracene	20	21
191-24-2	Benzo (g,h,i) perylene	20	31
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	97	< 97 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	73.2%
d14-p-Terphenyl	75.2%	d4-1,2-Dichlorobenzene	70.4%
d5-Phenol	73.3%	2-Fluorophenol	62.4%
2,4,6-Tribromophenol	103%	d4-2-Chlorophenol	80.3%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2


Sample ID: LDW-SS13-010

DILUTION

Lab Sample ID: HP67J

LIMS ID: 05-1091

Matrix: Sediment

Data Release Authorized: 

Reported: 02/09/05

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 01/31/05 17:02

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 46.3%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	97	< 97 U
111-44-4	Bis-(2-Chloroethyl) Ether	97	< 97 U
95-57-8	2-Chlorophenol	97	< 97 U
541-73-1	1,3-Dichlorobenzene	97	< 97 U
106-46-7	1,4-Dichlorobenzene	97	< 97 U
100-51-6	Benzyl Alcohol	97	< 97 U
95-50-1	1,2-Dichlorobenzene	97	< 97 U
95-48-7	2-Methylphenol	97	< 97 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	97	< 97 U
106-44-5	4-Methylphenol	97	< 97 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	97	< 97 U
98-95-3	Nitrobenzene	97	< 97 U
78-59-1	Isophorone	97	< 97 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	97	< 97 U
65-85-0	Benzoic Acid	970	< 970 U
111-91-1	bis(2-Chloroethoxy) Methane	97	< 97 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	97	< 97 U
91-20-3	Naphthalene	97	< 97 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	97	< 97 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	97	< 97 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	97	< 97 U
208-96-8	Acenaphthylene	97	< 97 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	97	< 97 U
51-28-5	2,4-Dinitrophenol	970	< 970 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	97	< 97 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS13-010

DILUTION

Lab Sample ID: HP67J

LIMS ID: 05-1091

Matrix: Sediment

Date Analyzed: 01/31/05 17:02

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	97	< 97 U
7005-72-3	4-Chlorophenyl-phenylether	97	< 97 U
86-73-7	Fluorene	97	< 97 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	970	< 970 U
86-30-6	N-Nitrosodiphenylamine	97	< 97 U
101-55-3	4-Bromophenyl-phenylether	97	< 97 U
118-74-1	Hexachlorobenzene	97	< 97 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	97	< 97 U
86-74-8	Carbazole	97	< 97 U
120-12-7	Anthracene	97	< 97 U
84-74-2	Di-n-Butylphthalate	97	< 97 U
206-44-0	Fluoranthene	97	160
129-00-0	Pyrene	97	130
85-68-7	Butylbenzylphthalate	97	< 97 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	97	< 97 U
117-81-7	bis (2-Ethylhexyl)phthalate	97	180 B
218-01-9	Chrysene	97	160
117-84-0	Di-n-Octyl phthalate	97	< 97 U
205-99-2	Benzo (b) fluoranthene	97	120
207-08-9	Benzo (k) fluoranthene	97	< 97 U
50-32-8	Benzo (a) pyrene	97	< 97 U
193-39-5	Indeno (1,2,3-cd)pyrene	97	< 97 U
53-70-3	Dibenz (a,h) anthracene	97	< 97 U
191-24-2	Benzo (g,h,i) perylene	97	< 97 U
62-53-3	Aniline	97	< 97 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.8%	2-Fluorobiphenyl	73.0%
d14-p-Terphenyl	63.4%	d4-1,2-Dichlorobenzene	70.4%
d5-Phenol	73.1%	2-Fluorophenol	72.3%
2,4,6-Tribromophenol	46.1%	d4-2-Chlorophenol	80.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS13-010
SAMPLE

Lab Sample ID: HU13D

LIMS ID: 05-3947

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/07/05

QC Report No: HU13-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Date Analyzed: 03/04/05 15:16

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.52 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 46.3 %

pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	60
205-99-2	Benzo (b) fluoranthene	6.6	85
50-32-8	Benzo (a) pyrene	6.6	64
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	47
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	13 B
85-68-7	Butylbenzylphthalate	6.6	22
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	6.6
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	55.6%	d5-Phenol	44.3%
2-Fluorophenol	44.5%	d4-2-Chlorophenol	45.3%
d4-1,2-Dichlorobenzene	40.0%	d5-Nitrobenzene	41.6%
2,4,6-Tribromophenol	71.5%	d14-p-Terphenyl	71.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS14-010

SAMPLE

Lab Sample ID: HP67F

LIMS ID: 05-1087

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 02/01/05 20:00

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 19.0%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS14-010

SAMPLE

Lab Sample ID: HP67F

LIMS ID: 05-1087

Matrix: Sediment

Date Analyzed: 02/01/05 20:00

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	51
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	140
129-00-0	Pyrene	20	110
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	36
117-81-7	bis (2-Ethylhexyl) phthalate	20	160 B
218-01-9	Chrysene	20	95
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	86
207-08-9	Benzo (k) fluoranthene	20	52
50-32-8	Benzo (a) pyrene	20	50
193-39-5	Indeno (1,2,3-cd) pyrene	20	28
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	32
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.0%	2-Fluorobiphenyl	88.0%
d14-p-Terphenyl	76.0%	d4-1,2-Dichlorobenzene	79.2%
d5-Phenol	77.3%	2-Fluorophenol	75.5%
2,4,6-Tribromophenol	106%	d4-2-Chlorophenol	85.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS14-010
SAMPLE

Lab Sample ID: HP67F
LIMS ID: 05-1087
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 05/09/05

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 01/26/05
Date Analyzed: 01/31/05 14:11
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 6.12 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 19.0 %
pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	8.2	19
205-99-2	Benzo (b) fluoranthene	8.2	56
50-32-8	Benzo (a) pyrene	8.2	29
193-39-5	Indeno (1,2,3-cd) pyrene	8.2	42
106-46-7	1,4-Dichlorobenzene	8.2	< 8.2 U
120-82-1	1,2,4-Trichlorobenzene	4.1	< 4.1 UJ
118-74-1	Hexachlorobenzene	4.1	< 4.1 UJ
87-68-3	Hexachlorobutadiene	8.2	< 8.2 U
65-85-0	Benzoic Acid	82	< 82 U
131-11-3	Dimethylphthalate	8.2	120
84-66-2	Diethylphthalate	8.2	< 8.2 U
85-68-7	Butylbenzylphthalate	8.2	< 8.2 U
95-48-7	2-Methylphenol	8.2	< 8.2 U
105-67-9	2,4-Dimethylphenol	8.2	< 8.2 U
86-30-6	N-Nitrosodiphenylamine	8.2	< 8.2 U
100-51-6	Benzyl Alcohol	41	< 41 U
87-86-5	Pentachlorophenol	41	< 41 U
95-50-1	1,2-Dichlorobenzene	8.2	< 8.2 U
621-64-7	N-Nitroso-Di-N-Propylamine	41	< 41 U
62-75-9	N-Nitrosodimethylamine	41	< 41 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	66.4%	d5-Phenol	73.3%
2-Fluorophenol	69.1%	d4-2-Chlorophenol	65.9%
d4-1,2-Dichlorobenzene	58.8%	d5-Nitrobenzene	62.4%
2,4,6-Tribromophenol	78.1%	d14-p-Terphenyl	72.4%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
Page 1 of 1

Sample ID: LDW-SS14-010
SAMPLE

Lab Sample ID: IE23A
LIMS ID: 05-10352
Matrix: Sediment
Data Release Authorized:
Reported: 06/24/05

QC Report No: IE23-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 06/21/05
Date Analyzed: 06/24/05 01:50
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 7.2
Percent Moisture: 21.2%

CAS Number	Analyte	RL	Result
118-74-1	Hexachlorobenzene	0.99	< 0.99 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	100%
Tetrachlorometaxylene	71.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS15-010

SAMPLE

Lab Sample ID: HP67G

LIMS ID: 05-1088

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/09/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 02/01/05 21:38

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 50.7%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS15-010

SAMPLE

Lab Sample ID: HP67G

LIMS ID: 05-1088

Matrix: Sediment

Date Analyzed: 02/01/05 21:38

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	98
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	49
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	220
129-00-0	Pyrene	20	160
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	100
117-81-7	bis(2-Ethylhexyl)phthalate	20	64 B
218-01-9	Chrysene	20	240
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	110
50-32-8	Benzo (a) pyrene	20	99
193-39-5	Indeno (1,2,3-cd) pyrene	20	31
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	28
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	71.2%	2-Fluorobiphenyl	79.6%
d14-p-Terphenyl	70.8%	d4-1,2-Dichlorobenzene	69.6%
d5-Phenol	71.2%	2-Fluorophenol	70.1%
2,4,6-Tribromophenol	99.2%	d4-2-Chlorophenol	79.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS17-010

SAMPLE

Lab Sample ID: HQ48A

LIMS ID: 05-1642

Matrix: Sediment

Data Release Authorized: ~~AS~~

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/08/05 16:25

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 42.4%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS17-010

SAMPLE

Lab Sample ID: HQ48A

LIMS ID: 05-1642

Matrix: Sediment

Date Analyzed: 02/08/05 16:25

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	190
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	68 J
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	380
129-00-0	Pyrene	98	650
85-68-7	Butylbenzylphthalate	98	54 J
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	190
117-81-7	bis (2-Ethylhexyl) phthalate	98	1,100
218-01-9	Chrysene	98	310
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	420
207-08-9	Benzo (k) fluoranthene	98	420
50-32-8	Benzo (a) pyrene	98	300
193-39-5	Indeno (1,2,3-cd) pyrene	98	100
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	100
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.6%	2-Fluorobiphenyl	60.6%
d14-p-Terphenyl	68.4%	d4-1,2-Dichlorobenzene	49.4%
d5-Phenol	60.9%	2-Fluorophenol	54.1%
2,4,6-Tribromophenol	60.5%	d4-2-Chlorophenol	57.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS18-010
SAMPLE

Lab Sample ID: HR48A

QC Report No: HR48-Windward Environmental

LIMS ID: 05-2441

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 02/01/05

Reported: 02/11/05

Date Received: 02/03/05

Date Extracted: 02/09/05

Sample Amount: 7.76 g-dry-wt

Date Analyzed: 02/10/05 13:42

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 13.8 %

pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	11
205-99-2	Benzo (b) fluoranthene	6.4	16
50-32-8	Benzo (a) pyrene	6.4	9.0
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	6.4
106-46-7	1,4-Dichlorobenzene	6.4	< 6.4 U
120-82-1	1,2,4-Trichlorobenzene	6.4	< 6.4 U
118-74-1	Hexachlorobenzene	6.4	< 6.4 U
87-68-3	Hexachlorobutadiene	6.4	< 6.4 U
65-85-0	Benzoic Acid	64	< 64 U
131-11-3	Dimethylphthalate	6.4	< 6.4 U
84-66-2	Diethylphthalate	6.4	< 6.4 U
85-68-7	Butylbenzylphthalate	6.4	< 6.4 U
95-48-7	2-Methylphenol	6.4	< 6.4 U
105-67-9	2,4-Dimethylphenol	6.4	< 6.4 U
86-30-6	N-Nitrosodiphenylamine	6.4	< 6.4 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.4	< 6.4 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	53.2%	d5-Phenol	55.5%
2-Fluorophenol	60.3%	d4-2-Chlorophenol	54.7%
d4-1,2-Dichlorobenzene	49.6%	d5-Nitrobenzene	50.8%
2,4,6-Tribromophenol	61.6%	d14-p-Terphenyl	58.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS22-010
SAMPLE

Lab Sample ID: HP67I

LIMS ID: 05-1090

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 02/01/05 22:10

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 16.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 31.8%

pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	30	130
111-44-4	Bis-(2-Chloroethyl) Ether	30	< 30 U
95-57-8	2-Chlorophenol	30	< 30 U
541-73-1	1,3-Dichlorobenzene	30	< 30 U
106-46-7	1,4-Dichlorobenzene	30	< 30 U
100-51-6	Benzyl Alcohol	30	< 30 U
95-50-1	1,2-Dichlorobenzene	30	< 30 U
95-48-7	2-Methylphenol	30	< 30 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	30	< 30 U
106-44-5	4-Methylphenol	30	< 30 U
621-64-7	N-Nitroso-Di-N-Propylamine	150	< 150 U
67-72-1	Hexachloroethane	30	< 30 U
98-95-3	Nitrobenzene	30	< 30 U
78-59-1	Isophorone	30	< 30 U
88-75-5	2-Nitrophenol	150	< 150 U
105-67-9	2,4-Dimethylphenol	30	< 30 U
65-85-0	Benzoic Acid	300	< 300 U
111-91-1	bis(2-Chloroethoxy) Methane	30	< 30 U
120-83-2	2,4-Dichlorophenol	150	< 150 U
120-82-1	1,2,4-Trichlorobenzene	30	< 30 U
91-20-3	Naphthalene	30	< 30 U
106-47-8	4-Chloroaniline	150	< 150 U
87-68-3	Hexachlorobutadiene	30	< 30 U
59-50-7	4-Chloro-3-methylphenol	150	< 150 U
91-57-6	2-Methylnaphthalene	30	< 30 U
77-47-4	Hexachlorocyclopentadiene	150	< 150 U
88-06-2	2,4,6-Trichlorophenol	150	< 150 U
95-95-4	2,4,5-Trichlorophenol	150	< 150 U
91-58-7	2-Chloronaphthalene	30	< 30 U
88-74-4	2-Nitroaniline	150	< 150 U
131-11-3	Dimethylphthalate	30	< 30 U
208-96-8	Acenaphthylene	30	< 30 U
99-09-2	3-Nitroaniline	150	< 150 U
83-32-9	Acenaphthene	30	< 30 U
51-28-5	2,4-Dinitrophenol	300	< 300 U
100-02-7	4-Nitrophenol	150	< 150 U
132-64-9	Dibenzofuran	30	< 30 U
606-20-2	2,6-Dinitrotoluene	150	< 150 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS22-010
SAMPLE

Lab Sample ID: HP67I
LIMS ID: 05-1090
Matrix: Sediment
Date Analyzed: 02/01/05 22:10

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	150	< 150 U
84-66-2	Diethylphthalate	30	< 30 U
7005-72-3	4-Chlorophenyl-phenylether	30	< 30 U
86-73-7	Fluorene	30	< 30 U
100-01-6	4-Nitroaniline	150	< 150 U
534-52-1	4,6-Dinitro-2-Methylphenol	300	< 300 U
86-30-6	N-Nitrosodiphenylamine	30	< 30 U
101-55-3	4-Bromophenyl-phenylether	30	< 30 U
118-74-1	Hexachlorobenzene	30	< 30 U
87-86-5	Pentachlorophenol	150	< 150 U
85-01-8	Phenanthrene	30	140
86-74-8	Carbazole	30	< 30 U
120-12-7	Anthracene	30	43
84-74-2	Di-n-Butylphthalate	30	< 30 U
206-44-0	Fluoranthene	30	390
129-00-0	Pyrene	30	510
85-68-7	Butylbenzylphthalate	30	49
91-94-1	3,3'-Dichlorobenzidine	150	< 150 U
56-55-3	Benzo(a)anthracene	30	140
117-81-7	bis(2-Ethylhexyl)phthalate	30	1,100 B
218-01-9	Chrysene	30	270
117-84-0	Di-n-Octyl phthalate	30	< 30 U
205-99-2	Benzo(b)fluoranthene	30	250
207-08-9	Benzo(k)fluoranthene	30	170
50-32-8	Benzo(a)pyrene	30	170
193-39-5	Indeno(1,2,3-cd)pyrene	30	66
53-70-3	Dibenz(a,h)anthracene	30	< 30 U
191-24-2	Benzo(g,h,i)perylene	30	70
62-53-3	Aniline	30	< 30 U
62-75-9	N-Nitrosodimethylamine	150	< 150 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.6%	2-Fluorobiphenyl	92.0%
d14-p-Terphenyl	98.8%	d4-1,2-Dichlorobenzene	78.8%
d5-Phenol	80.5%	2-Fluorophenol	77.3%
2,4,6-Tribromophenol	106%	d4-2-Chlorophenol	86.7%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS22-010

DILUTION

Lab Sample ID: HP67I

LIMS ID: 05-1090

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 01/31/05 16:29

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 16.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 31.8%

pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	150	< 150 U
111-44-4	Bis-(2-Chloroethyl) Ether	150	< 150 U
95-57-8	2-Chlorophenol	150	< 150 U
541-73-1	1,3-Dichlorobenzene	150	< 150 U
106-46-7	1,4-Dichlorobenzene	150	< 150 U
100-51-6	Benzyl Alcohol	150	< 150 U
95-50-1	1,2-Dichlorobenzene	150	< 150 U
95-48-7	2-Methylphenol	150	< 150 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	150	< 150 U
106-44-5	4-Methylphenol	150	< 150 U
621-64-7	N-Nitroso-Di-N-Propylamine	740	< 740 U
67-72-1	Hexachloroethane	150	< 150 U
98-95-3	Nitrobenzene	150	< 150 U
78-59-1	Isophorone	150	< 150 U
88-75-5	2-Nitrophenol	740	< 740 U
105-67-9	2,4-Dimethylphenol	150	< 150 U
65-85-0	Benzoic Acid	1,500	< 1,500 U
111-91-1	bis(2-Chloroethoxy) Methane	150	< 150 U
120-83-2	2,4-Dichlorophenol	740	< 740 U
120-82-1	1,2,4-Trichlorobenzene	150	< 150 U
91-20-3	Naphthalene	150	< 150 U
106-47-8	4-Chloroaniline	740	< 740 U
87-68-3	Hexachlorobutadiene	150	< 150 U
59-50-7	4-Chloro-3-methylphenol	740	< 740 U
91-57-6	2-Methylnaphthalene	150	< 150 U
77-47-4	Hexachlorocyclopentadiene	740	< 740 U
88-06-2	2,4,6-Trichlorophenol	740	< 740 U
95-95-4	2,4,5-Trichlorophenol	740	< 740 U
91-58-7	2-Chloronaphthalene	150	< 150 U
88-74-4	2-Nitroaniline	740	< 740 U
131-11-3	Dimethylphthalate	150	< 150 U
208-96-8	Acenaphthylene	150	< 150 U
99-09-2	3-Nitroaniline	740	< 740 U
83-32-9	Acenaphthene	150	< 150 U
51-28-5	2,4-Dinitrophenol	1,500	< 1,500 U
100-02-7	4-Nitrophenol	740	< 740 U
132-64-9	Dibenzofuran	150	< 150 U
606-20-2	2,6-Dinitrotoluene	740	< 740 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS22-010

DILUTION

Lab Sample ID: HP67I

LIMS ID: 05-1090

Matrix: Sediment

Date Analyzed: 01/31/05 16:29

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	740	< 740 U
84-66-2	Diethylphthalate	150	< 150 U
7005-72-3	4-Chlorophenyl-phenylether	150	< 150 U
86-73-7	Fluorene	150	< 150 U
100-01-6	4-Nitroaniline	740	< 740 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,500	< 1,500 U
86-30-6	N-Nitrosodiphenylamine	150	< 150 U
101-55-3	4-Bromophenyl-phenylether	150	< 150 U
118-74-1	Hexachlorobenzene	150	< 150 U
87-86-5	Pentachlorophenol	740	< 740 U
85-01-8	Phenanthrene	150	< 150 U
86-74-8	Carbazole	150	< 150 U
120-12-7	Anthracene	150	< 150 U
84-74-2	Di-n-Butylphthalate	150	< 150 U
206-44-0	Fluoranthene	150	360
129-00-0	Pyrene	150	400
85-68-7	Butylbenzylphthalate	150	< 150 U
91-94-1	3,3'-Dichlorobenzidine	740	< 740 U
56-55-3	Benzo (a) anthracene	150	< 150 U
117-81-7	bis (2-Ethylhexyl) phthalate	150	900 B
218-01-9	Chrysene	150	280
117-84-0	Di-n-Octyl phthalate	150	< 150 U
205-99-2	Benzo (b) fluoranthene	150	220
207-08-9	Benzo (k) fluoranthene	150	< 150 U
50-32-8	Benzo (a) pyrene	150	180
193-39-5	Indeno (1,2,3-cd) pyrene	150	< 150 U
53-70-3	Dibenz (a,h) anthracene	150	< 150 U
191-24-2	Benzo (g,h,i) perylene	150	< 150 U
62-53-3	Aniline	150	< 150 U
62-75-9	N-Nitrosodimethylamine	740	< 740 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.0%	2-Fluorobiphenyl	85.6%
d14-p-Terphenyl	75.2%	d4-1,2-Dichlorobenzene	77.2%
d5-Phenol	75.3%	2-Fluorophenol	78.4%
2,4,6-Tribromophenol	59.5%	d4-2-Chlorophenol	84.0%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS22-010
SAMPLE

Lab Sample ID: HP67I
LIMS ID: 05-1090
Matrix: Sediment
Data Release Authorized:
Reported: 02/02/05

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 01/26/05
Date Analyzed: 01/31/05 18:08
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 1.72 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 31.8 %
pH: 7.6

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	29	200
205-99-2	Benzo (b) fluoranthene	29	270
50-32-8	Benzo (a) pyrene	29	220
193-39-5	Indeno (1,2,3-cd) pyrene	29	100
106-46-7	1,4-Dichlorobenzene	29	< 29 U
120-82-1	1,2,4-Trichlorobenzene	29	< 29 U
118-74-1	Hexachlorobenzene	29	< 29 U
87-68-3	Hexachlorobutadiene	29	< 29 U
65-85-0	Benzoic Acid	290	< 290 U
131-11-3	Dimethylphthalate	29	< 29 U
84-66-2	Diethylphthalate	29	< 29 U
85-68-7	Butylbenzylphthalate	29	< 29 U
95-48-7	2-Methylphenol	29	< 29 U
105-67-9	2,4-Dimethylphenol	29	< 29 U
86-30-6	N-Nitrosodiphenylamine	29	< 29 U
100-51-6	Benzyl Alcohol	140	< 140 U
87-86-5	Pentachlorophenol	140	< 140 U
95-50-1	1,2-Dichlorobenzene	29	< 29 U
621-64-7	N-Nitroso-Di-N-Propylamine	140	< 140 U
62-75-9	N-Nitrosodimethylamine	140	< 140 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	78.0%	d5-Phenol	77.3%
2-Fluorophenol	70.9%	d4-2-Chlorophenol	74.7%
d4-1,2-Dichlorobenzene	65.2%	d5-Nitrobenzene	71.6%
2,4,6-Tribromophenol	90.4%	d14-p-Terphenyl	75.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS23-010

SAMPLE

Lab Sample ID: HP70B

LIMS ID: 05-1099

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 02/01/05 23:15

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 22.6%

pH: 7.5

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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
621-64-7	N-Nitroso-Di-N-Propylamine	97	< 97 U
67-72-1	Hexachloroethane	19	< 19 U
98-95-3	Nitrobenzene	19	< 19 U
78-59-1	Isophorone	19	26
88-75-5	2-Nitrophenol	97	< 97 U
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
87-68-3	Hexachlorobutadiene	19	< 19 U
59-50-7	4-Chloro-3-methylphenol	97	< 97 U
91-57-6	2-Methylnaphthalene	19	21
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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 2 of 2

Sample ID: LDW-SS23-010
SAMPLE

Lab Sample ID: HP70B
 LIMS ID: 05-1099
 Matrix: Sediment
 Date Analyzed: 02/01/05 23:15

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	31
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	97	< 97 U
85-01-8	Phenanthrene	19	23
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	< 19 U
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	41
129-00-0	Pyrene	19	28
85-68-7	Butylbenzylphthalate	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	36
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	27
207-08-9	Benzo (k) fluoranthene	19	< 19 U
50-32-8	Benzo (a) pyrene	19	24
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
62-75-9	N-Nitrosodimethylamine	97	< 97 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	50.0%	2-Fluorobiphenyl	55.2%
d14-p-Terphenyl	54.8%	d4-1,2-Dichlorobenzene	48.8%
d5-Phenol	42.4%	2-Fluorophenol	46.4%
2,4,6-Tribromophenol	72.0%	d4-2-Chlorophenol	55.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS23-010

Page 1 of 1

SAMPLE

Lab Sample ID: HP70B

QC Report No: HP70-Windward Environmental, LLC

LIMS ID: 05-1099

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/18/05

Reported: 05/09/05

Date Received: 01/18/05

Date Extracted: 01/26/05

Sample Amount: 5.84 g-dry-wt

Date Analyzed: 01/31/05 14:52

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 22.6 %

pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	8.6	25
205-99-2	Benzo (b) fluoranthene	8.6	44
50-32-8	Benzo (a) pyrene	8.6	29
193-39-5	Indeno (1,2,3-cd) pyrene	8.6	21
106-46-7	1,4-Dichlorobenzene	8.6	< 8.6 U
120-82-1	1,2,4-Trichlorobenzene	8.6	< 8.6 U
118-74-1	Hexachlorobenzene	4.3	< 4.3 UJ
87-68-3	Hexachlorobutadiene	8.6	< 8.6 U
65-85-0	Succinic Acid	86	< 86 U
131-11-3	Dimethylphthalate	8.6	< 8.6 U
84-66-2	Diethylphthalate	8.6	< 8.6 U
85-68-7	Butylbenzylphthalate	8.6	< 8.6 U
95-48-7	2-Methylphenol	8.6	< 8.6 U
105-67-9	2,4-Dimethylphenol	8.6	< 8.6 U
86-30-6	N-Nitrosodiphenylamine	8.6	< 8.6 U
100-51-6	Benzyl Alcohol	43	< 43 U
87-86-5	Pentachlorophenol	43	< 43 U
95-50-1	1,2-Dichlorobenzene	8.6	< 8.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	43	< 43 U
62-75-9	N-Nitrosodimethylamine	43	< 43 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	66.8%	d5-Phenol	72.5%
2-Fluorophenol	65.9%	d4-2-Chlorophenol	65.6%
d4-1,2-Dichlorobenzene	55.2%	d5-Nitrobenzene	62.0%
2,4,6-Tribromophenol	83.5%	d14-p-Terphenyl	82.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS26-010

SAMPLE

Lab Sample ID: HP70C

LIMS ID: 05-1100

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 02/01/05 23:47

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 46.9%

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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
621-64-7	N-Nitroso-Di-N-Propylamine	97	< 97 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
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
87-68-3	Hexachlorobutadiene	19	< 19 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS26-010
SAMPLE

Lab Sample ID: HP70C
LIMS ID: 05-1100
Matrix: Sediment
Date Analyzed: 02/01/05 23:47

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	97	< 97 U
85-01-8	Phenanthrene	19	93
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	37
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	240
129-00-0	Pyrene	19	240
85-68-7	Butylbenzylphthalate	19	20
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo(a)anthracene	19	110
117-81-7	bis(2-Ethylhexyl)phthalate	19	200 B
218-01-9	Chrysene	19	220
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo(b)fluoranthene	19	160
207-08-9	Benzo(k)fluoranthene	19	130
50-32-8	Benzo(a)pyrene	19	110
193-39-5	Indeno(1,2,3-cd)pyrene	19	44
53-70-3	Dibenz(a,h)anthracene	19	< 19 U
191-24-2	Benzo(g,h,i)perylene	19	44
62-53-3	Aniline	19	< 19 U
62-75-9	N-Nitrosodimethylamine	97	< 97 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	69.2%	2-Fluorobiphenyl	73.6%
d14-p-Terphenyl	76.4%	d4-1,2-Dichlorobenzene	70.8%
d5-Phenol	60.8%	2-Fluorophenol	58.9%
2,4,6-Tribromophenol	93.3%	d4-2-Chlorophenol	76.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS26-010

DILUTION

Lab Sample ID: HP70C

LIMS ID: 05-1100

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 01/31/05 18:08

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 46.9%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	97	< 97 U
111-44-4	Bis-(2-Chloroethyl) Ether	97	< 97 U
95-57-8	2-Chlorophenol	97	< 97 U
541-73-1	1,3-Dichlorobenzene	97	< 97 U
106-46-7	1,4-Dichlorobenzene	97	< 97 U
100-51-6	Benzyl Alcohol	97	< 97 U
95-50-1	1,2-Dichlorobenzene	97	< 97 U
95-48-7	2-Methylphenol	97	< 97 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	97	< 97 U
106-44-5	4-Methylphenol	97	< 97 U
621-64-7	N-Nitroso-Di-N-Propylamine	480	< 480 U
67-72-1	Hexachloroethane	97	< 97 U
98-95-3	Nitrobenzene	97	< 97 U
78-59-1	Isophorone	97	< 97 U
88-75-5	2-Nitrophenol	480	< 480 U
105-67-9	2,4-Dimethylphenol	97	< 97 U
65-85-0	Benzoic Acid	970	< 970 U
111-91-1	bis(2-Chloroethoxy) Methane	97	< 97 U
120-83-2	2,4-Dichlorophenol	480	< 480 U
120-82-1	1,2,4-Trichlorobenzene	97	< 97 U
91-20-3	Naphthalene	97	< 97 U
106-47-8	4-Chloroaniline	480	< 480 U
87-68-3	Hexachlorobutadiene	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	480	< 480 U
91-57-6	2-Methylnaphthalene	97	< 97 U
77-47-4	Hexachlorocyclopentadiene	480	< 480 U
88-06-2	2,4,6-Trichlorophenol	480	< 480 U
95-95-4	2,4,5-Trichlorophenol	480	< 480 U
91-58-7	2-Chloronaphthalene	97	< 97 U
88-74-4	2-Nitroaniline	480	< 480 U
131-11-3	Dimethylphthalate	97	< 97 U
208-96-8	Acenaphthylene	97	< 97 U
99-09-2	3-Nitroaniline	480	< 480 U
83-32-9	Acenaphthene	97	< 97 U
51-28-5	2,4-Dinitrophenol	970	< 970 U
100-02-7	4-Nitrophenol	480	< 480 U
132-64-9	Dibenzofuran	97	< 97 U
606-20-2	2,6-Dinitrotoluene	480	< 480 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS26-010

DILUTION

Lab Sample ID: HP70C

LIMS ID: 05-1100

Matrix: Sediment

Date Analyzed: 01/31/05 18:08

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	480	< 480 U
84-66-2	Diethylphthalate	97	< 97 U
7005-72-3	4-Chlorophenyl-phenylether	97	< 97 U
86-73-7	Fluorene	97	< 97 U
100-01-6	4-Nitroaniline	480	< 480 U
534-52-1	4,6-Dinitro-2-Methylphenol	970	< 970 U
86-30-6	N-Nitrosodiphenylamine	97	< 97 U
101-55-3	4-Bromophenyl-phenylether	97	< 97 U
118-74-1	Hexachlorobenzene	97	< 97 U
87-86-5	Pentachlorophenol	480	< 480 U
85-01-8	Phenanthrene	97	< 97 U
86-74-8	Carbazole	97	< 97 U
120-12-7	Anthracene	97	< 97 U
84-74-2	Di-n-Butylphthalate	97	< 97 U
206-44-0	Fluoranthene	97	200
129-00-0	Pyrene	97	180
85-68-7	Butylbenzylphthalate	97	< 97 U
91-94-1	3,3'-Dichlorobenzidine	480	< 480 U
56-55-3	Benzo (a) anthracene	97	< 97 U
117-81-7	bis (2-Ethylhexyl) phthalate	97	190 B
218-01-9	Chrysene	97	210
117-84-0	Di-n-Octyl phthalate	97	< 97 U
205-99-2	Benzo (b) fluoranthene	97	140
207-08-9	Benzo (k) fluoranthene	97	< 97 U
50-32-8	Benzo (a) pyrene	97	120
193-39-5	Indeno (1,2,3-cd) pyrene	97	< 97 U
53-70-3	Dibenz (a,h) anthracene	97	< 97 U
191-24-2	Benzo (g,h,i) perylene	97	< 97 U
62-53-3	Aniline	97	< 97 U
62-75-9	N-Nitrosodimethylamine	480	< 480 U

Reported in µg/kg (ppb)


Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.0%	2-Fluorobiphenyl	69.2%
d14-p-Terphenyl	59.2%	d4-1,2-Dichlorobenzene	69.6%
d5-Phenol	65.2%	2-Fluorophenol	64.8%
2,4,6-Tribromophenol	34.9%	d4-2-Chlorophenol	73.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS26-010
SAMPLE

Lab Sample ID: HP70C
LIMS ID: 05-1100
Matrix: Sediment
Data Release Authorized: 
Reported: 02/02/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/26/05
Date Analyzed: 01/31/05 15:24
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 3.99 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 46.9 %
pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	12	180
205-99-2	Benzo (b) fluoranthene	12	220
50-32-8	Benzo (a) pyrene	12	220
193-39-5	Indeno (1,2,3-cd) pyrene	12	140
106-46-7	1,4-Dichlorobenzene	12	< 12 U
120-82-1	1,2,4-Trichlorobenzene	12	< 12 U
118-74-1	Hexachlorobenzene	12	< 12 U
87-68-3	Hexachlorobutadiene	12	< 12 U
65-85-0	Benzoic Acid	120	< 120 U
131-11-3	Dimethylphthalate	12	< 12 U
84-66-2	Diethylphthalate	12	< 12 U
85-68-7	Butylbenzylphthalate	12	350
95-48-7	2-Methylphenol	12	< 12 U
105-67-9	2,4-Dimethylphenol	12	< 12 U
86-30-6	N-Nitrosodiphenylamine	12	< 12 U
100-51-6	Benzyl Alcohol	63	< 63 U
87-86-5	Pentachlorophenol	63	< 63 U
95-50-1	1,2-Dichlorobenzene	12	< 12 U
621-64-7	N-Nitroso-Di-N-Propylamine	63	< 63 U
62-75-9	N-Nitrosodimethylamine	63	< 63 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	62.4%	d5-Phenol	64.5%
2-Fluorophenol	65.9%	d4-2-Chlorophenol	62.9%
d4-1,2-Dichlorobenzene	51.6%	d5-Nitrobenzene	59.2%
2,4,6-Tribromophenol	72.0%	d14-p-Terphenyl	64.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS27-010
SAMPLE

Lab Sample ID: HP70D
LIMS ID: 05-1101
Matrix: Sediment
Data Release Authorized:
Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/24/05
Date Analyzed: 02/02/05 00:19
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 53.2%
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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	97	< 97 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	97	< 97 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS27-010

SAMPLE

Lab Sample ID: HP70D

LIMS ID: 05-1101

Matrix: Sediment

Date Analyzed: 02/02/05 00:19

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	97	< 97 U
85-01-8	Phenanthrene	20	120
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	28
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	390
129-00-0	Pyrene	20	270
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	20	120
117-81-7	bis (2-Ethylhexyl) phthalate	20	30 B
218-01-9	Chrysene	20	240
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	230
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	41
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	36
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	97	< 97 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	75.2%	2-Fluorobiphenyl	82.0%
d14-p-Terphenyl	81.6%	d4-1,2-Dichlorobenzene	76.8%
d5-Phenol	69.9%	2-Fluorophenol	78.4%
2,4,6-Tribromophenol	109%	d4-2-Chlorophenol	84.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS27-010

DILUTION

Lab Sample ID: HP70D

LIMS ID: 05-1101

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 01/31/05 18:41

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 53.2%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	97	< 97 U
111-44-4	Bis-(2-Chloroethyl) Ether	97	< 97 U
95-57-8	2-Chlorophenol	97	< 97 U
541-73-1	1,3-Dichlorobenzene	97	< 97 U
106-46-7	1,4-Dichlorobenzene	97	< 97 U
100-51-6	Benzyl Alcohol	97	< 97 U
95-50-1	1,2-Dichlorobenzene	97	< 97 U
95-48-7	2-Methylphenol	97	< 97 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	97	< 97 U
106-44-5	4-Methylphenol	97	< 97 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	97	< 97 U
98-95-3	Nitrobenzene	97	< 97 U
78-59-1	Isophorone	97	< 97 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	97	< 97 U
65-85-0	Benzoic Acid	970	< 970 U
111-91-1	bis(2-Chloroethoxy) Methane	97	< 97 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	97	< 97 U
91-20-3	Naphthalene	97	< 97 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	97	< 97 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	97	< 97 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	97	< 97 U
208-96-8	Acenaphthylene	97	< 97 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	97	< 97 U
51-28-5	2,4-Dinitrophenol	970	< 970 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	97	< 97 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS27-010

DILUTION

Lab Sample ID: HP70D

LIMS ID: 05-1101

Matrix: Sediment

Date Analyzed: 01/31/05 18:41

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	97	< 97 U
7005-72-3	4-Chlorophenyl-phenylether	97	< 97 U
86-73-7	Fluorene	97	< 97 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	970	< 970 U
86-30-6	N-Nitrosodiphenylamine	97	< 97 U
101-55-3	4-Bromophenyl-phenylether	97	< 97 U
118-74-1	Hexachlorobenzene	97	< 97 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	97	110
86-74-8	Carbazole	97	< 97 U
120-12-7	Anthracene	97	< 97 U
84-74-2	Di-n-Butylphthalate	97	< 97 U
206-44-0	Fluoranthene	97	330
129-00-0	Pyrene	97	220
85-68-7	Butylbenzylphthalate	97	< 97 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	97	120
117-81-7	bis (2-Ethylhexyl) phthalate	97	< 97 U
218-01-9	Chrysene	97	240
117-84-0	Di-n-Octyl phthalate	97	< 97 U
205-99-2	Benzo (b) fluoranthene	97	170
207-08-9	Benzo (k) fluoranthene	97	100
50-32-8	Benzo (a) pyrene	97	140
193-39-5	Indeno (1,2,3-cd) pyrene	97	< 97 U
53-70-3	Dibenz (a,h) anthracene	97	< 97 U
191-24-2	Benzo (g,h,i) perylene	97	< 97 U
62-53-3	Aniline	97	< 97 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.0%	2-Fluorobiphenyl	82.2%
d14-p-Terphenyl	71.2%	d4-1,2-Dichlorobenzene	77.4%
d5-Phenol	74.9%	2-Fluorophenol	77.9%
2,4,6-Tribromophenol	41.5%	d4-2-Chlorophenol	83.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS27-010
SAMPLE

Lab Sample ID: HP70D
LIMS ID: 05-1101
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 05/09/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/26/05
Date Analyzed: 01/31/05 15:57
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 3.53 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 53.2 %
pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	14	310
205-99-2	Benzo (b) fluoranthene	14	400
50-32-8	Benzo (a) pyrene	14	290
193-39-5	Indeno (1,2,3-cd) pyrene	14	150
106-46-7	1,4-Dichlorobenzene	14	< 14 U
120-82-1	1,2,4-Trichlorobenzene	7.1	< 7.1 UJ
118-74-1	Hexachlorobenzene	14	< 14 U
87-68-3	Hexachlorobutadiene	14	< 14 U
65-85-0	Benzoic Acid	140	< 140 U
131-11-3	Dimethylphthalate	14	< 14 U
84-66-2	Diethylphthalate	14	< 14 U
85-68-7	Butylbenzylphthalate	14	42
95-48-7	2-Methylphenol	14	< 14 U
105-67-9	2,4-Dimethylphenol	14	< 14 U
86-30-6	N-Nitrosodiphenylamine	14	< 14 U
100-51-6	Benzyl Alcohol	71	< 71 U
87-86-5	Pentachlorophenol	71	< 71 U
95-50-1	1,2-Dichlorobenzene	14	< 14 U
621-64-7	N-Nitroso-Di-N-Propylamine	71	< 71 U
62-75-9	N-Nitrosodimethylamine	71	< 71 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	63.2%	d5-Phenol	63.2%
2-Fluorophenol	58.9%	d4-2-Chlorophenol	58.7%
d4-1,2-Dichlorobenzene	45.2%	d5-Nitrobenzene	53.6%
2,4,6-Tribromophenol	82.9%	d14-p-Terphenyl	74.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS200-010

SAMPLE

Lab Sample ID: HP70E

LIMS ID: 05-1102

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 02/02/05 00:51

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 53.3%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 2 of 2

Sample ID: LDW-SS200-010
 SAMPLE

Lab Sample ID: HP70E
 LIMS ID: 05-1102
 Matrix: Sediment
 Date Analyzed: 02/02/05 00:51

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	130
86-74-8	Carbazole	20	21
120-12-7	Anthracene	20	57
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	390
129-00-0	Pyrene	20	300
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	160
117-81-7	bis (2-Ethylhexyl) phthalate	20	88 B
218-01-9	Chrysene	20	370
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	180
207-08-9	Benzo (k) fluoranthene	20	170
50-32-8	Benzo (a) pyrene	20	140
193-39-5	Indeno (1,2,3-cd) pyrene	20	46
53-70-3	Dibenz (a,h) anthracene	20	22
191-24-2	Benzo (g,h,i) perylene	20	43
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.8%	2-Fluorobiphenyl	83.2%
d14-p-Terphenyl	83.2%	d4-1,2-Dichlorobenzene	75.6%
d5-Phenol	78.4%	2-Fluorophenol	61.3%
2,4,6-Tribromophenol	109%	d4-2-Chlorophenol	83.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS200-010
DILUTION

Lab Sample ID: HP70E
LIMS ID: 05-1102
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/24/05
Date Analyzed: 01/31/05 19:13
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 53.3%
pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS200-010

DILUTION

Lab Sample ID: HP70E

QC Report No: HP70-Windward Environmental, LLC

LIMS ID: 05-1102

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 01/31/05 19:13

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	120
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	< 98 U
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	360
129-00-0	Pyrene	98	230
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	160
117-81-7	bis(2-Ethylhexyl)phthalate	98	< 98 U
218-01-9	Chrysene	98	390
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	140
207-08-9	Benzo (k) fluoranthene	98	120
50-32-8	Benzo (a) pyrene	98	140
193-39-5	Indeno (1,2,3-cd) pyrene	98	< 98 U
53-70-3	Dibenz (a, h) anthracene	98	< 98 U
191-24-2	Benzo (g, h, i) perylene	98	< 98 U
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.8%	2-Fluorobiphenyl	80.6%
d14-p-Terphenyl	65.8%	d4-1,2-Dichlorobenzene	76.4%
d5-Phenol	73.5%	2-Fluorophenol	69.2%
2,4,6-Tribromophenol	32.1%	d4-2-Chlorophenol	82.5%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS200-010
SAMPLE

Lab Sample ID: HP70E

LIMS ID: 05-1102

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/02/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/26/05

Date Analyzed: 01/31/05 16:30

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 3.53 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 53.3 %

pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	14	150
205-99-2	Benzo (b) fluoranthene	14	270
50-32-8	Benzo (a) pyrene	14	220
193-39-5	Indeno (1, 2, 3-cd) pyrene	14	180
106-46-7	1,4-Dichlorobenzene	14	< 14 U
120-82-1	1,2,4-Trichlorobenzene	14	< 14 U
118-74-1	Hexachlorobenzene	14	< 14 U
87-68-3	Hexachlorobutadiene	14	< 14 U
65-85-0	Benzoic Acid	140	< 140 U
131-11-3	Dimethylphthalate	14	< 14 U
84-66-2	Diethylphthalate	14	< 14 U
85-68-7	Butylbenzylphthalate	14	17
95-48-7	2-Methylphenol	14	< 14 U
105-67-9	2,4-Dimethylphenol	14	< 14 U
86-30-6	N-Nitrosodiphenylamine	14	< 14 U
100-51-6	Benzyl Alcohol	71	< 71 U
87-86-5	Pentachlorophenol	71	< 71 U
95-50-1	1,2-Dichlorobenzene	14	< 14 U
621-64-7	N-Nitroso-Di-N-Propylamine	71	< 71 U
62-75-9	N-Nitrosodimethylamine	71	< 71 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	74.0%	d5-Phenol	77.1%
2-Fluorophenol	63.2%	d4-2-Chlorophenol	72.3%
d4-1,2-Dichlorobenzene	60.0%	d5-Nitrobenzene	65.2%
2,4,6-Tribromophenol	86.9%	d14-p-Terphenyl	79.6%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS28-010
SAMPLE

Lab Sample ID: HQ48U
LIMS ID: 05-1662
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/10/05 20:03
Instrument/Analyst: NT4/LJR
GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 39.3%
pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	97	< 97 U
111-44-4	Bis-(2-Chloroethyl) Ether	97	< 97 U
95-57-8	2-Chlorophenol	97	< 97 U
541-73-1	1,3-Dichlorobenzene	97	< 97 U
106-46-7	1,4-Dichlorobenzene	97	< 97 U
100-51-6	Benzyl Alcohol	97	< 97 U
95-50-1	1,2-Dichlorobenzene	97	< 97 U
95-48-7	2-Methylphenol	97	< 97 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	97	< 97 U
106-44-5	4-Methylphenol	97	< 97 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	97	< 97 U
98-95-3	Nitrobenzene	97	< 97 U
78-59-1	Isophorone	97	< 97 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	97	< 97 U
65-85-0	Benzoic Acid	970	< 970 U
111-91-1	bis(2-Chloroethoxy) Methane	97	< 97 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	97	< 97 U
91-20-3	Naphthalene	97	< 97 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	97	< 97 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	97	< 97 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	97	< 97 U
208-96-8	Acenaphthylene	97	< 97 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	97	< 97 U
51-28-5	2,4-Dinitrophenol	970	< 970 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	97	< 97 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS28-010

SAMPLE

Lab Sample ID: HQ48U

LIMS ID: 05-1662

Matrix: Sediment

Date Analyzed: 02/10/05 20:03

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	97	< 97 U
7005-72-3	4-Chlorophenyl-phenylether	97	< 97 U
86-73-7	Fluorene	97	< 97 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	970	< 970 U
86-30-6	N-Nitrosodiphenylamine	97	< 97 U
101-55-3	4-Bromophenyl-phenylether	97	< 97 U
118-74-1	Hexachlorobenzene	97	< 97 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	97	170
86-74-8	Carbazole	97	< 97 U
120-12-7	Anthracene	97	< 97 U
84-74-2	Di-n-Butylphthalate	97	< 97 U
206-44-0	Fluoranthene	97	380
129-00-0	Pyrene	97	370
85-68-7	Butylbenzylphthalate	97	< 97 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo(a)anthracene	97	100
117-81-7	bis(2-Ethylhexyl)phthalate	97	74 J
218-01-9	Chrysene	97	240
117-84-0	Di-n-Octyl phthalate	97	< 97 U
205-99-2	Benzo(b)fluoranthene	97	210
207-08-9	Benzo(k)fluoranthene	97	210
50-32-8	Benzo(a)pyrene	97	130
193-39-5	Indeno(1,2,3-cd)pyrene	97	54 J
53-70-3	Dibenz(a,h)anthracene	97	< 97 U
191-24-2	Benzo(g,h,i)perylene	97	59 J
62-53-3	Aniline	97	< 97 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	70.0%	2-Fluorobiphenyl	75.2%
d14-p-Terphenyl	87.2%	d4-1,2-Dichlorobenzene	60.6%
d5-Phenol	74.7%	2-Fluorophenol	65.5%
2,4,6-Tribromophenol	72.9%	d4-2-Chlorophenol	70.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS28-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ48U

QC Report No: HQ48-Windward Environmental, LLC

LIMS ID: 05-1662

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/24/05

Reported: 02/04/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Sample Amount: 7.61 g-dry-wt

Date Analyzed: 02/03/05 21:18

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 39.3 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	22
205-99-2	Benzo (b) fluoranthene	6.6	45
50-32-8	Benzo (a) pyrene	6.6	26
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	16
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	72.8%	d5-Phenol	69.6%
2-Fluorophenol	74.1%	d4-2-Chlorophenol	70.1%
d4-1,2-Dichlorobenzene	65.6%	d5-Nitrobenzene	71.6%
2,4,6-Tribromophenol	77.9%	d14-p-Terphenyl	82.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS31-010

SAMPLE

Lab Sample ID: HQ27G

LIMS ID: 05-1485

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/10/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 01/31/05

Date Analyzed: 02/06/05 21:28

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 53.8%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	97	< 97 U
111-44-4	Bis-(2-Chloroethyl) Ether	97	< 97 U
95-57-8	2-Chlorophenol	97	< 97 U
541-73-1	1,3-Dichlorobenzene	97	< 97 U
106-46-7	1,4-Dichlorobenzene	97	< 97 U
100-51-6	Benzyl Alcohol	97	< 97 U
95-50-1	1,2-Dichlorobenzene	97	< 97 U
95-48-7	2-Methylphenol	97	< 97 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	97	< 97 U
106-44-5	4-Methylphenol	97	< 97 U
621-64-7	N-Nitroso-Di-N-Propylamine	480	< 480 U
67-72-1	Hexachloroethane	97	< 97 U
98-95-3	Nitrobenzene	97	< 97 U
78-59-1	Isophorone	97	< 97 U
88-75-5	2-Nitrophenol	480	< 480 U
105-67-9	2,4-Dimethylphenol	97	< 97 U
65-85-0	Benzoic Acid	970	< 970 U
111-91-1	bis(2-Chloroethoxy) Methane	97	< 97 U
120-83-2	2,4-Dichlorophenol	480	< 480 U
120-82-1	1,2,4-Trichlorobenzene	97	< 97 U
91-20-3	Naphthalene	97	< 97 U
106-47-8	4-Chloroaniline	480	< 480 U
87-68-3	Hexachlorobutadiene	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	480	< 480 U
91-57-6	2-Methylnaphthalene	97	< 97 U
77-47-4	Hexachlorocyclopentadiene	480	< 480 U
88-06-2	2,4,6-Trichlorophenol	480	< 480 U
95-95-4	2,4,5-Trichlorophenol	480	< 480 U
91-58-7	2-Chloronaphthalene	97	< 97 U
88-74-4	2-Nitroaniline	480	< 480 U
131-11-3	Dimethylphthalate	97	< 97 U
208-96-8	Acenaphthylene	97	< 97 U
99-09-2	3-Nitroaniline	480	< 480 U
83-32-9	Acenaphthene	97	< 97 U
51-28-5	2,4-Dinitrophenol	970	< 970 U
100-02-7	4-Nitrophenol	480	< 480 U
132-64-9	Dibenzofuran	97	< 97 U
606-20-2	2,6-Dinitrotoluene	480	< 480 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 2 of 2

Sample ID: LDW-SS31-010
SAMPLE

Lab Sample ID: HQ27G
 LIMS ID: 05-1485
 Matrix: Sediment
 Date Analyzed: 02/06/05 21:28

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	480	< 480 U
84-66-2	Diethylphthalate	97	< 97 U
7005-72-3	4-Chlorophenyl-phenylether	97	< 97 U
86-73-7	Fluorene	97	< 97 U
100-01-6	4-Nitroaniline	480	< 480 U
534-52-1	4,6-Dinitro-2-Methylphenol	970	< 970 U
86-30-6	N-Nitrosodiphenylamine	97	< 97 U
101-55-3	4-Bromophenyl-phenylether	97	< 97 U
118-74-1	Hexachlorobenzene	97	< 97 U
87-86-5	Pentachlorophenol	480	< 480 U
85-01-8	Phenanthrene	97	240
86-74-8	Carbazole	97	< 97 U
120-12-7	Anthracene	97	170
84-74-2	Di-n-Butylphthalate	97	< 97 U
206-44-0	Fluoranthene	97	670
129-00-0	Pyrene	97	700
85-68-7	Butylbenzylphthalate	97	< 97 U
91-94-1	3,3'-Dichlorobenzidine	480	< 480 U
56-55-3	Benzo (a) anthracene	97	280
117-81-7	bis (2-Ethylhexyl) phthalate	97	160
218-01-9	Chrysene	97	630
117-84-0	Di-n-Octyl phthalate	97	< 97 U
205-99-2	Benzo (b) fluoranthene	97	580
207-08-9	Benzo (k) fluoranthene	97	570
50-32-8	Benzo (a) pyrene	97	420
193-39-5	Indeno (1,2,3-cd) pyrene	97	110
53-70-3	Dibenz (a,h) anthracene	97	< 97 U
191-24-2	Benzo (g,h,i) perylene	97	110
62-53-3	Aniline	97	< 97 U
62-75-9	N-Nitrosodimethylamine	480	< 480 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.0%	2-Fluorobiphenyl	57.2%
d14-p-Terphenyl	60.2%	d4-1,2-Dichlorobenzene	48.0%
d5-Phenol	45.6%	2-Fluorophenol	51.2%
2,4,6-Tribromophenol	41.2%	d4-2-Chlorophenol	49.9%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 1 of 2

Sample ID: LDW-SS32-010
SAMPLE

Lab Sample ID: HP70F
 LIMS ID: 05-1103
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/18/05
 Date Received: 01/18/05

Date Extracted: 01/24/05
 Date Analyzed: 02/02/05 01:23
 Instrument/Analyst: NT6/LJR
 GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 50.3%
 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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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	23
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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS32-010
SAMPLE

Lab Sample ID: HP70F
LIMS ID: 05-1103
Matrix: Sediment
Date Analyzed: 02/02/05 01:23

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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	21
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	180
86-74-8	Carbazole	20	28
120-12-7	Anthracene	20	59
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	590
129-00-0	Pyrene	20	460
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	190
117-81-7	bis (2-Ethylhexyl) phthalate	20	93 B
218-01-9	Chrysene	20	410
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	340
207-08-9	Benzo (k) fluoranthene	20	310
50-32-8	Benzo (a) pyrene	20	220
193-39-5	Indeno (1,2,3-cd) pyrene	20	95
53-70-3	Dibenz (a,h) anthracene	20	52
191-24-2	Benzo (g,h,i) perylene	20	89
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.4%	2-Fluorobiphenyl	84.4%
d14-p-Terphenyl	86.0%	d4-1,2-Dichlorobenzene	75.2%
d5-Phenol	77.1%	2-Fluorophenol	68.5%
2,4,6-Tribromophenol	101%	d4-2-Chlorophenol	81.9%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS32-010
DILUTION

Lab Sample ID: HP70F
LIMS ID: 05-1103
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/24/05
Date Analyzed: 01/31/05 19:46
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 50.3%
pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS32-010

DILUTION

Lab Sample ID: HP70F

LIMS ID: 05-1103

Matrix: Sediment

Date Analyzed: 01/31/05 19:46

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	170
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	< 98 U
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	550
129-00-0	Pyrene	98	370
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	190
117-81-7	bis (2-Ethylhexyl)phthalate	98	< 98 U
218-01-9	Chrysene	98	440
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	320
207-08-9	Benzo (k) fluoranthene	98	200
50-32-8	Benzo (a) pyrene	98	240
193-39-5	Indeno (1,2,3-cd) pyrene	98	< 98 U
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	< 98 U
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.0%	2-Fluorobiphenyl	79.6%
d14-p-Terphenyl	69.8%	d4-1,2-Dichlorobenzene	76.2%
d5-Phenol	71.2%	2-Fluorophenol	72.3%
2,4,6-Tribromophenol	36.4%	d4-2-Chlorophenol	79.9%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS33-010

SAMPLE

Lab Sample ID: HQ57A

LIMS ID: 05-1736

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/11/05

QC Report No: HQ57-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/26/05

Date Received: 01/26/05

Date Extracted: 02/04/05

Date Analyzed: 02/08/05 22:08

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 33.3%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS33-010
SAMPLE

Lab Sample ID: HQ57A
LIMS ID: 05-1736
Matrix: Sediment
Date Analyzed: 02/08/05 22:08

QC Report No: HQ57-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	22
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	200
129-00-0	Pyrene	20	97
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	57
117-81-7	bis(2-Ethylhexyl)phthalate	20	26
218-01-9	Chrysene	20	150
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	70
50-32-8	Benzo(a)pyrene	20	51
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	16 J
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	NV

Reported in µg/kg (ppb)


Semivolatile Surrogate Recovery

d5-Nitrobenzene	74.8%	2-Fluorobiphenyl	88.4%
d14-p-Terphenyl	73.6%	d4-1,2-Dichlorobenzene	78.0%
d5-Phenol	69.3%	2-Fluorophenol	72.8%
2,4,6-Tribromophenol	97.9%	d4-2-Chlorophenol	81.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS33-010
SAMPLE

Lab Sample ID: HU13R
LIMS ID: 05-3961
Matrix: Sediment
Data Release Authorized: 
Reported: 03/15/05

QC Report No: HU13-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/26/05
Date Received: 01/17/05

Date Extracted: 03/03/05
Date Analyzed: 03/07/05 10:38
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.70 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 33.3 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	14
205-99-2	Benzo (b) fluoranthene	6.5	14
50-32-8	Benzo (a) pyrene	6.5	7.1
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	< 6.5 U
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	3.2	< 3.2 UJ ✓
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	170
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	36 B
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	60.4%	d5-Phenol	57.3%
2-Fluorophenol	50.4%	d4-2-Chlorophenol	56.3%
d4-1,2-Dichlorobenzene	48.0%	d5-Nitrobenzene	56.4%
2,4,6-Tribromophenol	70.4%	d14-p-Terphenyl	68.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 1 of 2

Sample ID: LDW-SS36-010
SAMPLE

Lab Sample ID: HQ48Q
 LIMS ID: 05-1658
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/10/05 17:49
 Instrument/Analyst: NT4/LJR
 GPC Cleanup: NO

Sample Amount: 25.1 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 5.00
 Percent Moisture: 55.3%
 pH: 7.0

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
106-46-7	1,4-Dichlorobenzene	100	< 100 U
100-51-6	Benzyl Alcohol	100	< 100 U
95-50-1	1,2-Dichlorobenzene	100	< 100 U
95-48-7	2-Methylphenol	100	< 100 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	100	< 100 U
106-44-5	4-Methylphenol	100	< 100 U
621-64-7	N-Nitroso-Di-N-Propylamine	500	< 500 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
105-67-9	2,4-Dimethylphenol	100	< 100 U
65-85-0	Benzoic Acid	1,000	< 1,000 U
111-91-1	bis(2-Chloroethoxy) Methane	100	< 100 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
120-82-1	1,2,4-Trichlorobenzene	100	< 100 U
91-20-3	Naphthalene	100	< 100 U
106-47-8	4-Chloroaniline	500	< 500 U
87-68-3	Hexachlorobutadiene	100	< 100 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	88 J
99-09-2	3-Nitroaniline	500	< 500 U
83-32-9	Acenaphthene	100	69 J
51-28-5	2,4-Dinitrophenol	1,000	< 1,000 U
100-02-7	4-Nitrophenol	500	< 500 U
132-64-9	Dibenzofuran	100	130
606-20-2	2,6-Dinitrotoluene	500	< 500 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS36-010
SAMPLE

Lab Sample ID: HQ48Q
LIMS ID: 05-1658
Matrix: Sediment
Date Analyzed: 02/10/05 17:49

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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	96 J
100-01-6	4-Nitroaniline	500	< 500 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,000	< 1,000 U
86-30-6	N-Nitrosodiphenylamine	100	< 100 U
101-55-3	4-Bromophenyl-phenylether	100	< 100 U
118-74-1	Hexachlorobenzene	100	< 100 U
87-86-5	Pentachlorophenol	500	< 500 U
85-01-8	Phenanthrene	100	1,800
86-74-8	Carbazole	100	170
120-12-7	Anthracene	100	140
84-74-2	Di-n-Butylphthalate	100	< 100 U
206-44-0	Fluoranthene	100	2,300
129-00-0	Pyrene	100	1,700
85-68-7	Butylbenzylphthalate	100	< 100 U
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	100	400
117-81-7	bis (2-Ethylhexyl) phthalate	100	130
218-01-9	Chrysene	100	890
117-84-0	Di-n-Octyl phthalate	100	< 100 U
205-99-2	Benzo (b) fluoranthene	100	460
207-08-9	Benzo (k) fluoranthene	100	440
50-32-8	Benzo (a) pyrene	100	280
193-39-5	Indeno (1,2,3-cd) pyrene	100	90 J
53-70-3	Dibenz (a,h) anthracene	100	< 100 U
191-24-2	Benzo (g,h,i) perylene	100	90 J
62-53-3	Aniline	100	< 100 U
62-75-9	N-Nitrosodimethylamine	500	< 500 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	62.6%	2-Fluorobiphenyl	65.4%
d14-p-Terphenyl	76.0%	d4-1,2-Dichlorobenzene	50.6%
d5-Phenol	65.7%	2-Fluorophenol	59.9%
2,4,6-Tribromophenol	66.0%	d4-2-Chlorophenol	62.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS36-010
SAMPLE

Lab Sample ID: HT37D
LIMS ID: 05-3540
Matrix: Sediment
Data Release Authorized:
Reported: 02/25/05

QC Report No: HT37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/20/05

Date Extracted: 02/21/05
Date Analyzed: 02/24/05 16:17
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.62 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 55.3 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.6	190
205-99-2	Benzo(b)fluoranthene	6.6	220
50-32-8	Benzo(a)pyrene	6.6	150
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	77
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	62.8%	d5-Phenol	59.2%
2-Fluorophenol	47.7%	d4-2-Chlorophenol	56.3%
d4-1,2-Dichlorobenzene	48.4%	d5-Nitrobenzene	30.4%
2,4,6-Tribromophenol	80.0%	d14-p-Terphenyl	73.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS37-010

SAMPLE

Lab Sample ID: HP70G

LIMS ID: 05-1104

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 02/02/05 01:56

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 44.7%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS37-010

SAMPLE

Lab Sample ID: HP70G

LIMS ID: 05-1104

Matrix: Sediment

Date Analyzed: 02/02/05 01:56

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	52
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	27
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	230
129-00-0	Pyrene	20	270
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	74
117-81-7	bis (2-Ethylhexyl)phthalate	20	760 B
218-01-9	Chrysene	20	110
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	76
50-32-8	Benzo (a) pyrene	20	72
193-39-5	Indeno (1,2,3-cd) pyrene	20	35
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	38
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.0%	2-Fluorobiphenyl	87.6%
d14-p-Terphenyl	98.8%	d4-1,2-Dichlorobenzene	77.2%
d5-Phenol	76.8%	2-Fluorophenol	69.1%
2,4,6-Tribromophenol	97.6%	d4-2-Chlorophenol	82.7%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS37-010

DILUTION

Lab Sample ID: HP70G

LIMS ID: 05-1104

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 01/31/05 20:19

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 44.7%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 2 of 2

Sample ID: LDW-SS37-010
 DILUTION

Lab Sample ID: HP70G
 LIMS ID: 05-1104
 Matrix: Sediment
 Date Analyzed: 01/31/05 20:19

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	< 98 U
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	< 98 U
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	220
129-00-0	Pyrene	98	220
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo(a)anthracene	98	< 98 U
117-81-7	bis(2-Ethylhexyl)phthalate	98	650 B
218-01-9	Chrysene	98	130
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo(b)fluoranthene	98	< 98 U
207-08-9	Benzo(k)fluoranthene	98	< 98 U
50-32-8	Benzo(a)pyrene	98	< 98 U
193-39-5	Indeno(1,2,3-cd)pyrene	98	< 98 U
53-70-3	Dibenz(a,h)anthracene	98	< 98 U
191-24-2	Benzo(g,h,i)perylene	98	< 98 U
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.0%	2-Fluorobiphenyl	81.6%
d14-p-Terphenyl	73.2%	d4-1,2-Dichlorobenzene	77.4%
d5-Phenol	71.6%	2-Fluorophenol	71.9%
2,4,6-Tribromophenol	34.5%	d4-2-Chlorophenol	82.0%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS37-010
SAMPLE

Lab Sample ID: HP70G
LIMS ID: 05-1104
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/02/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/26/05
Date Analyzed: 01/31/05 17:02
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 1.38 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 44.7 %
pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	36	160
205-99-2	Benzo (b) fluoranthene	36	230
50-32-8	Benzo (a) pyrene	36	140
193-39-5	Indeno (1,2,3-cd) pyrene	36	65
106-46-7	1,4-Dichlorobenzene	36	< 36 U
120-82-1	1,2,4-Trichlorobenzene	36	< 36 U
118-74-1	Hexachlorobenzene	36	< 36 U
87-68-3	Hexachlorobutadiene	36	< 36 U
65-85-0	Benzoic Acid	360	< 360 U
131-11-3	Dimethylphthalate	36	< 36 U
84-66-2	Diethylphthalate	36	< 36 U
85-68-7	Butylbenzylphthalate	36	< 36 U
95-48-7	2-Methylphenol	36	< 36 U
105-67-9	2,4-Dimethylphenol	36	< 36 U
86-30-6	N-Nitrosodiphenylamine	36	< 36 U
100-51-6	Benzyl Alcohol	180	< 180 U
87-86-5	Pentachlorophenol	180	< 180 U
95-50-1	1,2-Dichlorobenzene	36	< 36 U
621-64-7	N-Nitroso-Di-N-Propylamine	180	< 180 U
62-75-9	N-Nitrosodimethylamine	180	< 180 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	70.4%	d5-Phenol	70.7%
2-Fluorophenol	68.8%	d4-2-Chlorophenol	65.3%
d4-1,2-Dichlorobenzene	61.6%	d5-Nitrobenzene	66.8%
2,4,6-Tribromophenol	82.7%	d14-p-Terphenyl	74.8%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS37-010
DILUTION

Lab Sample ID: HP70G
LIMS ID: 05-1104
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/04/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/26/05
Date Analyzed: 02/03/05 14:47
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 1.38 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 2.00
Percent Moisture: 44.7 %
pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	72	140
205-99-2	Benzo(b)fluoranthene	72	120
50-32-8	Benzo(a)pyrene	72	110
193-39-5	Indeno(1,2,3-cd)pyrene	72	80
106-46-7	1,4-Dichlorobenzene	72	< 72 U
120-82-1	1,2,4-Trichlorobenzene	72	< 72 U
118-74-1	Hexachlorobenzene	72	< 72 U
87-68-3	Hexachlorobutadiene	72	< 72 U
65-85-0	Benzoic Acid	720	< 720 U
131-11-3	Dimethylphthalate	72	< 72 U
84-66-2	Diethylphthalate	72	< 72 U
85-68-7	Butylbenzylphthalate	72	< 72 U
95-48-7	2-Methylphenol	72	< 72 U
105-67-9	2,4-Dimethylphenol	72	< 72 U
86-30-6	N-Nitrosodiphenylamine	72	< 72 U
100-51-6	Benzyl Alcohol	360	< 360 U
87-86-5	Pentachlorophenol	360	< 360 U
95-50-1	1,2-Dichlorobenzene	72	< 72 U
621-64-7	N-Nitroso-Di-N-Propylamine	360	< 360 U
62-75-9	N-Nitrosodimethylamine	360	< 360 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	70.4%	d5-Phenol	65.1%
2-Fluorophenol	66.1%	d4-2-Chlorophenol	62.4%
d4-1,2-Dichlorobenzene	58.4%	d5-Nitrobenzene	64.0%
2,4,6-Tribromophenol	78.4%	d14-p-Terphenyl	71.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS38-010

SAMPLE

Lab Sample ID: HP70H

LIMS ID: 05-1105

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 02/02/05 13:26

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 53.2%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS38-010

SAMPLE

Lab Sample ID: HP70H

LIMS ID: 05-1105

Matrix: Sediment

Date Analyzed: 02/02/05 13:26

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	75
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	37
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	190
129-00-0	Pyrene	20	180
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	120
117-81-7	bis(2-Ethylhexyl)phthalate	20	100 B
218-01-9	Chrysene	20	230
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	87
50-32-8	Benzo (a) pyrene	20	110
193-39-5	Indeno (1,2,3-cd) pyrene	20	59
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	62
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	74.8%	2-Fluorobiphenyl	83.2%
d14-p-Terphenyl	83.2%	d4-1,2-Dichlorobenzene	73.6%
d5-Phenol	79.5%	2-Fluorophenol	72.8%
2,4,6-Tribromophenol	102%	d4-2-Chlorophenol	83.5%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS38-010

Page 1 of 1

SAMPLE

Lab Sample ID: HP70H

QC Report No: HP70-Windward Environmental, LLC

LIMS ID: 05-1105

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/18/05

Reported: 05/09/05

Date Received: 01/18/05

Date Extracted: 01/26/05

Sample Amount: 3.52 g-dry-wt

Date Analyzed: 01/31/05 17:35

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 53.2 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	14	190
205-99-2	Benzo (b) fluoranthene	14	290
50-32-8	Benzo (a) pyrene	14	270
193-39-5	Indeno (1,2,3-cd) pyrene	14	180
106-46-7	1,4-Dichlorobenzene	14	< 14 U
120-82-1	1,2,4-Trichlorobenzene	14	< 14 U
118-74-1	Hexachlorobenzene	7.1	< 7.1 UJ
87-68-3	Hexachlorobutadiene	14	< 14 U
65-85-0	Hexachlorobutadiene	140	< 140 U
131-11-3	Dimethylphthalate	14	< 14 U
84-66-2	Diethylphthalate	14	< 14 U
85-68-7	Butylbenzylphthalate	14	27
95-48-7	2-Methylphenol	14	< 14 U
105-67-9	2,4-Dimethylphenol	14	< 14 U
86-30-6	N-Nitrosodiphenylamine	14	< 14 U
100-51-6	Benzyl Alcohol	71	< 71 U
87-86-5	Pentachlorophenol	71	< 71 U
95-50-1	1,2-Dichlorobenzene	14	< 14 U
621-64-7	N-Nitroso-Di-N-Propylamine	71	< 71 U
62-75-9	N-Nitrosodimethylamine	71	< 71 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	62.8%	d5-Phenol	63.2%
2-Fluorophenol	60.5%	d4-2-Chlorophenol	62.1%
d4-1,2-Dichlorobenzene	55.2%	d5-Nitrobenzene	58.4%
2,4,6-Tribromophenol	71.2%	d14-p-Terphenyl	65.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS40-010
SAMPLE

Lab Sample ID: HP70I

QC Report No: HP70-Windward Environmental, LLC

LIMS ID: 05-1106

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/18/05

Reported: 02/09/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Sample Amount: 25.4 g-dry-wt

Date Analyzed: 02/02/05 13:58

Final Extract Volume: 0.5 mL

Instrument/Analyst: NT6/LJR

Dilution Factor: 1.00

GPC Cleanup: NO

Percent Moisture: 42.8%

pH: 7.7

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS40-010
SAMPLE

Lab Sample ID: HP70I
LIMS ID: 05-1106
Matrix: Sediment
Date Analyzed: 02/02/05 13:58

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	55
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	170
129-00-0	Pyrene	20	140
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	67
117-81-7	bis (2-Ethylhexyl) phthalate	20	270 B
218-01-9	Chrysene	20	120
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	53
50-32-8	Benzo (a) pyrene	20	66
193-39-5	Indeno (1,2,3-cd) pyrene	20	38
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	36
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.8%	2-Fluorobiphenyl	85.6%
d14-p-Terphenyl	80.0%	d4-1,2-Dichlorobenzene	74.8%
d5-Phenol	83.5%	2-Fluorophenol	76.5%
2,4,6-Tribromophenol	108%	d4-2-Chlorophenol	86.7%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS42-010

SAMPLE

Lab Sample ID: HQ48H

LIMS ID: 05-1649

Matrix: Sediment

Data Release Authorized: *AA*

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/08/05 20:17

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: 51.5%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	180
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
106-46-7	1,4-Dichlorobenzene	99	< 99 U
100-51-6	Benzyl Alcohol	99	< 99 U
95-50-1	1,2-Dichlorobenzene	99	< 99 U
95-48-7	2-Methylphenol	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 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
105-67-9	2,4-Dimethylphenol	99	< 99 U
65-85-0	Benzoic Acid	990	< 990 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	99	< 99 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	99	< 99 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
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Sample ID: LDW-SS42-010
SAMPLE

Lab Sample ID: HQ48H
LIMS ID: 05-1649
Matrix: Sediment
Date Analyzed: 02/08/05 20:17

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	99	< 99 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
118-74-1	Hexachlorobenzene	99	< 99 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	99	170
86-74-8	Carbazole	99	< 99 U
120-12-7	Anthracene	99	99
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	470
129-00-0	Pyrene	99	480
85-68-7	Butylbenzylphthalate	99	< 99 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo(a)anthracene	99	220
117-81-7	bis(2-Ethylhexyl)phthalate	99	380
218-01-9	Chrysene	99	350
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo(b)fluoranthene	99	330
207-08-9	Benzo(k)fluoranthene	99	380
50-32-8	Benzo(a)pyrene	99	230
193-39-5	Indeno(1,2,3-cd)pyrene	99	56 J
53-70-3	Dibenz(a,h)anthracene	99	< 99 U
191-24-2	Benzo(g,h,i)perylene	99	58 J
62-53-3	Aniline	99	< 99 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.6%	2-Fluorobiphenyl	65.4%
d14-p-Terphenyl	75.2%	d4-1,2-Dichlorobenzene	51.4%
d5-Phenol	68.0%	2-Fluorophenol	61.5%
2,4,6-Tribromophenol	63.6%	d4-2-Chlorophenol	63.1%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS42-010
SAMPLE

Lab Sample ID: HU130

LIMS ID: 05-3958

Matrix: Sediment

Data Release Authorized:

Reported: 03/07/05

QC Report No: HU13-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Date Analyzed: 03/04/05 20:46

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.54 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 51.5 %

pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.6	28
205-99-2	Benzo(b)fluoranthene	6.6	38
50-32-8	Benzo(a)pyrene	6.6	27
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	20
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	14 B
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	65.2%	d5-Phenol	53.9%
2-Fluorophenol	47.2%	d4-2-Chlorophenol	61.6%
d4-1,2-Dichlorobenzene	63.2%	d5-Nitrobenzene	58.4%
2,4,6-Tribromophenol	71.5%	d14-p-Terphenyl	75.6%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
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Sample ID: LDW-SS43-010
SAMPLE

Lab Sample ID: HQ27A
LIMS ID: 05-1479
Matrix: Sediment
Data Release Authorized:
Reported: 02/10/05

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Date Extracted: 01/31/05
Date Analyzed: 02/06/05 18:07
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: 49.7%
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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS43-010

SAMPLE

Lab Sample ID: HQ27A

LIMS ID: 05-1479

Matrix: Sediment

Date Analyzed: 02/06/05 18:07

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	68
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	22
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	150
129-00-0	Pyrene	20	180
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	66
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	100
207-08-9	Benzo(k)fluoranthene	20	99
50-32-8	Benzo(a)pyrene	20	80
193-39-5	Indeno(1,2,3-cd)pyrene	20	43
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	46
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.2%	2-Fluorobiphenyl	67.2%
d14-p-Terphenyl	67.6%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	59.7%	2-Fluorophenol	58.7%
2,4,6-Tribromophenol	66.1%	d4-2-Chlorophenol	62.4%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS43-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ27A

QC Report No: HQ27-Windward Environmental, LLC

LIMS ID: 05-1479

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *RB*

Date Sampled: 01/21/05

Reported: 06/15/05

Date Received: 01/21/05

Date Extracted: 01/28/05

Sample Amount: 7.55 g-dry-wt

Date Analyzed: 02/01/05 21:15

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 49.7 %

pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	120
205-99-2	Benzo (b) fluoranthene	6.6	140
50-32-8	Benzo (a) pyrene	6.6	150
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	110
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	3.3	< 3.3 UJ
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	7.3
84-66-2	Diethylphthalate	6.6	6.6
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	76.8%	d5-Phenol	72.5%
2-Fluorophenol	68.0%	d4-2-Chlorophenol	68.0%
d4-1,2-Dichlorobenzene	65.2%	d5-Nitrobenzene	71.6%
2,4,6-Tribromophenol	82.4%	d14-p-Terphenyl	85.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS44-010


SAMPLE

Lab Sample ID: HQ27B

LIMS ID: 05-1480

Matrix: Sediment

Data Release Authorized:

Reported: 02/10/05 

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 01/31/05

Date Analyzed: 02/06/05 18:40

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: 34.6%

pH: 7.1

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
106-46-7	1,4-Dichlorobenzene	58	< 58 U
100-51-6	Benzyl Alcohol	58	< 58 U
95-50-1	1,2-Dichlorobenzene	58	< 58 U
95-48-7	2-Methylphenol	58	< 58 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	58	< 58 U
106-44-5	4-Methylphenol	58	< 58 U
621-64-7	N-Nitroso-Di-N-Propylamine	290	< 290 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
105-67-9	2,4-Dimethylphenol	58	< 58 U
65-85-0	Benzoic Acid	580	< 580 U
111-91-1	bis(2-Chloroethoxy) Methane	58	< 58 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	58	< 58 U
91-20-3	Naphthalene	58	< 58 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	58	< 58 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS44-010

SAMPLE

Lab Sample ID: HQ27B

LIMS ID: 05-1480

Matrix: Sediment

Date Analyzed: 02/06/05 18:40

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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	63
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	580	< 580 U
86-30-6	N-Nitrosodiphenylamine	58	< 58 U
101-55-3	4-Bromophenyl-phenylether	58	< 58 U
118-74-1	Hexachlorobenzene	58	< 58 U
87-86-5	Pentachlorophenol	290	< 290 U
85-01-8	Phenanthrene	58	450
86-74-8	Carbazole	58	< 58 U
120-12-7	Anthracene	58	200
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	940
129-00-0	Pyrene	58	1,100
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	58	570
117-81-7	bis (2-Ethylhexyl) phthalate	58	120
218-01-9	Chrysene	58	650
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	510
207-08-9	Benzo (k) fluoranthene	58	550
50-32-8	Benzo (a) pyrene	58	470
193-39-5	Indeno (1,2,3-cd) pyrene	58	170
53-70-3	Dibenz (a,h) anthracene	58	< 58 U
191-24-2	Benzo (g,h,i) perylene	58	170
62-53-3	Aniline	58	< 58 U
62-75-9	N-Nitrosodimethylamine	290	< 290 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.4%	2-Fluorobiphenyl	61.2%
d14-p-Terphenyl	67.8%	d4-1,2-Dichlorobenzene	46.6%
d5-Phenol	52.8%	2-Fluorophenol	54.8%
2,4,6-Tribromophenol	55.3%	d4-2-Chlorophenol	55.8%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS44-010
SAMPLE

Lab Sample ID: HU13I
LIMS ID: 05-3952
Matrix: Sediment
Data Release Authorized:
Reported: 03/15/05

QC Report No: HU13-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/17/05

Date Extracted: 03/03/05
Date Analyzed: 03/04/05 17:30
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.52 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 34.6 %
pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	31
205-99-2	Benzo (b) fluoranthene	6.6	44
50-32-8	Benzo (a) pyrene	6.6	29
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	21
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	3.3	< 3.3 UJ ✓
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	11 B
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	73.2%	d5-Phenol	62.4%
2-Fluorophenol	65.1%	d4-2-Chlorophenol	68.3%
d4-1,2-Dichlorobenzene	66.8%	d5-Nitrobenzene	66.0%
2,4,6-Tribromophenol	85.3%	d14-p-Terphenyl	80.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS48-010

SAMPLE

Lab Sample ID: HP70J

LIMS ID: 05-1107

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 02/02/05 14:31

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 26.0 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 36.2%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	370
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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	21
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	88
621-64-7	N-Nitroso-Di-N-Propylamine	96	< 96 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
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	96	< 96 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	110
106-47-8	4-Chloroaniline	96	< 96 U
87-68-3	Hexachlorobutadiene	19	< 19 U
59-50-7	4-Chloro-3-methylphenol	96	< 96 U
91-57-6	2-Methylnaphthalene	19	58
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	54
99-09-2	3-Nitroaniline	96	< 96 U
83-32-9	Acenaphthene	19	230
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	96	< 96 U
132-64-9	Dibenzofuran	19	100
606-20-2	2,6-Dinitrotoluene	96	< 96 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS48-010

SAMPLE

Lab Sample ID: HP70J

LIMS ID: 05-1107

Matrix: Sediment

Date Analyzed: 02/02/05 14:31

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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	230
100-01-6	4-Nitroaniline	96	< 96 U
534-52-1	4,6-Dinitro-2-Methylphenol	190	< 190 U
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	96	< 96 U
85-01-8	Phenanthrene	19	2,100 E
86-74-8	Carbazole	19	300
120-12-7	Anthracene	19	530
84-74-2	Di-n-Butylphthalate	19	92
206-44-0	Fluoranthene	19	3,100 E
129-00-0	Pyrene	19	2,200 E
85-68-7	Butylbenzylphthalate	19	71
91-94-1	3,3'-Dichlorobenzidine	96	< 96 U
56-55-3	Benzo (a) anthracene	19	1,200
117-81-7	bis (2-Ethylhexyl) phthalate	19	770 B
218-01-9	Chrysene	19	1,900 E
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	1,800 E
207-08-9	Benzo (k) fluoranthene	19	950
50-32-8	Benzo (a) pyrene	19	1,000
193-39-5	Indeno (1,2,3-cd) pyrene	19	360
53-70-3	Dibenz (a,h) anthracene	19	160
191-24-2	Benzo (g,h,i) perylene	19	290
62-53-3	Aniline	19	< 19 U
62-75-9	N-Nitrosodimethylamine	96	< 96 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.8%	2-Fluorobiphenyl	88.4%
d14-p-Terphenyl	91.2%	d4-1,2-Dichlorobenzene	78.0%
d5-Phenol	81.9%	2-Fluorophenol	84.8%
2,4,6-Tribromophenol	102%	d4-2-Chlorophenol	84.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS48-010
DILUTION

Lab Sample ID: HP70J
LIMS ID: 05-1107
Matrix: Sediment
Data Release Authorized:
Reported: 02/09/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/24/05
Date Analyzed: 02/03/05 19:26
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 26.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 36.2%
pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	96	320
111-44-4	Bis-(2-Chloroethyl) Ether	96	< 96 U
95-57-8	2-Chlorophenol	96	< 96 U
541-73-1	1,3-Dichlorobenzene	96	< 96 U
106-46-7	1,4-Dichlorobenzene	96	< 96 U
100-51-6	Benzyl Alcohol	96	< 96 U
95-50-1	1,2-Dichlorobenzene	96	< 96 U
95-48-7	2-Methylphenol	96	< 96 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	96	< 96 U
106-44-5	4-Methylphenol	96	< 96 U
621-64-7	N-Nitroso-Di-N-Propylamine	480	< 480 U
67-72-1	Hexachloroethane	96	< 96 U
98-95-3	Nitrobenzene	96	< 96 U
78-59-1	Isophorone	96	< 96 U
88-75-5	2-Nitrophenol	480	< 480 U
105-67-9	2,4-Dimethylphenol	96	< 96 U
65-85-0	Benzoic Acid	960	< 960 U
111-91-1	bis(2-Chloroethoxy) Methane	96	< 96 U
120-83-2	2,4-Dichlorophenol	480	< 480 U
120-82-1	1,2,4-Trichlorobenzene	96	< 96 U
91-20-3	Naphthalene	96	< 96 U
106-47-8	4-Chloroaniline	480	< 480 U
87-68-3	Hexachlorobutadiene	96	< 96 U
59-50-7	4-Chloro-3-methylphenol	480	< 480 U
91-57-6	2-Methylnaphthalene	96	< 96 U
77-47-4	Hexachlorocyclopentadiene	480	< 480 U
88-06-2	2,4,6-Trichlorophenol	480	< 480 U
95-95-4	2,4,5-Trichlorophenol	480	< 480 U
91-58-7	2-Chloronaphthalene	96	< 96 U
88-74-4	2-Nitroaniline	480	< 480 U
131-11-3	Dimethylphthalate	96	< 96 U
208-96-8	Acenaphthylene	96	< 96 U
99-09-2	3-Nitroaniline	480	< 480 U
83-32-9	Acenaphthene	96	190
51-28-5	2,4-Dinitrophenol	960	< 960 U
100-02-7	4-Nitrophenol	480	< 480 U
132-64-9	Dibenzofuran	96	< 96 U
606-20-2	2,6-Dinitrotoluene	480	< 480 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS48-010
DILUTION

Lab Sample ID: HP70J
LIMS ID: 05-1107
Matrix: Sediment
Date Analyzed: 02/03/05 19:26

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	480	< 480 U
84-66-2	Diethylphthalate	96	< 96 U
7005-72-3	4-Chlorophenyl-phenylether	96	< 96 U
86-73-7	Fluorene	96	190
100-01-6	4-Nitroaniline	480	< 480 U
534-52-1	4,6-Dinitro-2-Methylphenol	960	< 960 U
86-30-6	N-Nitrosodiphenylamine	96	< 96 U
101-55-3	4-Bromophenyl-phenylether	96	< 96 U
118-74-1	Hexachlorobenzene	96	< 96 U
87-86-5	Pentachlorophenol	480	< 480 U
85-01-8	Phenanthrene	96	1,700
86-74-8	Carbazole	96	260
120-12-7	Anthracene	96	460
84-74-2	Di-n-Butylphthalate	96	< 96 U
206-44-0	Fluoranthene	96	2,900
129-00-0	Pyrene	96	2,300
85-68-7	Butylbenzylphthalate	96	< 96 U
91-94-1	3,3'-Dichlorobenzidine	480	< 480 U
56-55-3	Benzo (a) anthracene	96	1,100
117-81-7	bis (2-Ethylhexyl) phthalate	96	660 B
218-01-9	Chrysene	96	1,900
117-84-0	Di-n-Octyl phthalate	96	< 96 U
205-99-2	Benzo (b) fluoranthene	96	1,000
207-08-9	Benzo (k) fluoranthene	96	720
50-32-8	Benzo (a) pyrene	96	980
193-39-5	Indeno (1,2,3-cd) pyrene	96	530
53-70-3	Dibenz (a,h) anthracene	96	97
191-24-2	Benzo (g,h,i) perylene	96	480
62-53-3	Aniline	96	< 96 U
62-75-9	N-Nitrosodimethylamine	480	< 480 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	74.2%	2-Fluorobiphenyl	78.8%
d14-p-Terphenyl	78.4%	d4-1,2-Dichlorobenzene	73.4%
d5-Phenol	70.1%	2-Fluorophenol	66.3%
2,4,6-Tribromophenol	54.0%	d4-2-Chlorophenol	76.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS49-010
SAMPLE

Lab Sample ID: HQ57B
LIMS ID: 05-1737
Matrix: Sediment
Data Release Authorized:
Reported: 02/11/05

QC Report No: HQ57-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/26/05
Date Received: 01/26/05

Date Extracted: 02/04/05
Date Analyzed: 02/09/05 17:55
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 46.5%
pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	240
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
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Sample ID: LDW-SS49-010
SAMPLE

Lab Sample ID: HQ57B
 LIMS ID: 05-1737
 Matrix: Sediment
 Date Analyzed: 02/09/05 17:55

QC Report No: HQ57-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	50 J
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	68 J
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	490
86-74-8	Carbazole	98	53 J
120-12-7	Anthracene	98	150
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	1,000
129-00-0	Pyrene	98	720
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo(a)anthracene	98	320
117-81-7	bis(2-Ethylhexyl)phthalate	98	160
218-01-9	Chrysene	98	570
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo(b)fluoranthene	98	320
207-08-9	Benzo(k)fluoranthene	98	200
50-32-8	Benzo(a)pyrene	98	280
193-39-5	Indeno(1,2,3-cd)pyrene	98	140
53-70-3	Dibenz(a,h)anthracene	98	< 98 U
191-24-2	Benzo(g,h,i)perylene	98	150
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.6%	2-Fluorobiphenyl	85.8%
d14-p-Terphenyl	98.6%	d4-1,2-Dichlorobenzene	79.6%
d5-Phenol	74.7%	2-Fluorophenol	74.3%
2,4,6-Tribromophenol	107%	d4-2-Chlorophenol	86.9%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS50-010

SAMPLE

Lab Sample ID: HQ48B

LIMS ID: 05-1643

Matrix: Sediment

Data Release Authorized:

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/08/05 16:58

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 47.0%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	97	< 97 U
111-44-4	Bis-(2-Chloroethyl) Ether	97	< 97 U
95-57-8	2-Chlorophenol	97	< 97 U
541-73-1	1,3-Dichlorobenzene	97	< 97 U
106-46-7	1,4-Dichlorobenzene	97	< 97 U
100-51-6	Benzyl Alcohol	97	< 97 U
95-50-1	1,2-Dichlorobenzene	97	< 97 U
95-48-7	2-Methylphenol	97	< 97 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	97	< 97 U
106-44-5	4-Methylphenol	97	< 97 U
621-64-7	N-Nitroso-Di-N-Propylamine	480	< 480 U
67-72-1	Hexachloroethane	97	< 97 U
98-95-3	Nitrobenzene	97	< 97 U
78-59-1	Isophorone	97	< 97 U
88-75-5	2-Nitrophenol	480	< 480 U
105-67-9	2,4-Dimethylphenol	97	< 97 U
65-85-0	Benzoic Acid	970	< 970 U
111-91-1	bis(2-Chloroethoxy) Methane	97	< 97 U
120-83-2	2,4-Dichlorophenol	480	< 480 U
120-82-1	1,2,4-Trichlorobenzene	97	< 97 U
91-20-3	Naphthalene	97	< 97 U
106-47-8	4-Chloroaniline	480	< 480 U
87-68-3	Hexachlorobutadiene	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	480	< 480 U
91-57-6	2-Methylnaphthalene	97	< 97 U
77-47-4	Hexachlorocyclopentadiene	480	< 480 U
88-06-2	2,4,6-Trichlorophenol	480	< 480 U
95-95-4	2,4,5-Trichlorophenol	480	< 480 U
91-58-7	2-Chloronaphthalene	97	< 97 U
88-74-4	2-Nitroaniline	480	< 480 U
131-11-3	Dimethylphthalate	97	< 97 U
208-96-8	Acenaphthylene	97	< 97 U
99-09-2	3-Nitroaniline	480	< 480 U
83-32-9	Acenaphthene	97	< 97 U
51-28-5	2,4-Dinitrophenol	970	< 970 U
100-02-7	4-Nitrophenol	480	< 480 U
132-64-9	Dibenzofuran	97	< 97 U
606-20-2	2,6-Dinitrotoluene	480	< 480 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS50-010

SAMPLE

Lab Sample ID: HQ48B

LIMS ID: 05-1643

Matrix: Sediment

Date Analyzed: 02/08/05 16:58

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	480	< 480 U
84-66-2	Diethylphthalate	97	< 97 U
7005-72-3	4-Chlorophenyl-phenylether	97	< 97 U
86-73-7	Fluorene	97	< 97 U
100-01-6	4-Nitroaniline	480	< 480 U
534-52-1	4,6-Dinitro-2-Methylphenol	970	< 970 U
86-30-6	N-Nitrosodiphenylamine	97	< 97 U
101-55-3	4-Bromophenyl-phenylether	97	< 97 U
118-74-1	Hexachlorobenzene	97	< 97 U
87-86-5	Pentachlorophenol	480	< 480 U
85-01-8	Phenanthrene	97	160
86-74-8	Carbazole	97	< 97 U
120-12-7	Anthracene	97	110
84-74-2	Di-n-Butylphthalate	97	< 97 U
206-44-0	Fluoranthene	97	270
129-00-0	Pyrene	97	670
85-68-7	Butylbenzylphthalate	97	< 97 U
91-94-1	3,3'-Dichlorobenzidine	480	< 480 U
56-55-3	Benzo(a)anthracene	97	170
117-81-7	bis(2-Ethylhexyl)phthalate	97	560
218-01-9	Chrysene	97	300
117-84-0	Di-n-Octyl phthalate	97	< 97 U
205-99-2	Benzo(b)fluoranthene	97	400
207-08-9	Benzo(k)fluoranthene	97	350
50-32-8	Benzo(a)pyrene	97	260
193-39-5	Indeno(1,2,3-cd)pyrene	97	73 J
53-70-3	Dibenz(a,h)anthracene	97	< 97 U
191-24-2	Benzo(g,h,i)perylene	97	61 J
62-53-3	Aniline	97	< 97 U
62-75-9	N-Nitrosodimethylamine	480	< 480 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	43.4%	2-Fluorobiphenyl	46.2%
d14-p-Terphenyl	42.0%	d4-1,2-Dichlorobenzene	38.8%
d5-Phenol	45.2%	2-Fluorophenol	41.6%
2,4,6-Tribromophenol	41.3%	d4-2-Chlorophenol	43.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS50-010
SAMPLE

Lab Sample ID: HQ48B
LIMS ID: 05-1643
Matrix: Sediment
Data Release Authorized:
Reported: 02/04/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/03/05 13:09
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.70 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 47.0 %
pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	23
205-99-2	Benzo (b) fluoranthene	6.5	25
50-32-8	Benzo (a) pyrene	6.5	21
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	10
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	68.0%	d5-Phenol	69.1%
2-Fluorophenol	67.2%	d4-2-Chlorophenol	68.8%
d4-1,2-Dichlorobenzene	61.6%	d5-Nitrobenzene	66.8%
2,4,6-Tribromophenol	78.4%	d14-p-Terphenyl	82.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS202-010

SAMPLE

Lab Sample ID: HQ48G

LIMS ID: 05-1648

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/08/05 19:44

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 16.1 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 46.7%

pH: 7.5

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
106-46-7	1,4-Dichlorobenzene	160	< 160 U
100-51-6	Benzyl Alcohol	160	< 160 U
95-50-1	1,2-Dichlorobenzene	160	< 160 U
95-48-7	2-Methylphenol	160	< 160 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	160	< 160 U
106-44-5	4-Methylphenol	160	< 160 U
621-64-7	N-Nitroso-Di-N-Propylamine	770	< 770 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	770	< 770 U
105-67-9	2,4-Dimethylphenol	160	< 160 U
65-85-0	Benzoic Acid	1,600	< 1,600 U
111-91-1	bis(2-Chloroethoxy) Methane	160	< 160 U
120-83-2	2,4-Dichlorophenol	770	< 770 U
120-82-1	1,2,4-Trichlorobenzene	160	< 160 U
91-20-3	Naphthalene	160	< 160 U
106-47-8	4-Chloroaniline	770	< 770 U
87-68-3	Hexachlorobutadiene	160	< 160 U
59-50-7	4-Chloro-3-methylphenol	770	< 770 U
91-57-6	2-Methylnaphthalene	160	< 160 U
77-47-4	Hexachlorocyclopentadiene	770	< 770 U
88-06-2	2,4,6-Trichlorophenol	770	< 770 U
95-95-4	2,4,5-Trichlorophenol	770	< 770 U
91-58-7	2-Chloronaphthalene	160	< 160 U
88-74-4	2-Nitroaniline	770	< 770 U
131-11-3	Dimethylphthalate	160	< 160 U
208-96-8	Acenaphthylene	160	< 160 U
99-09-2	3-Nitroaniline	770	< 770 U
83-32-9	Acenaphthene	160	< 160 U
51-28-5	2,4-Dinitrophenol	1,600	< 1,600 U
100-02-7	4-Nitrophenol	770	< 770 U
132-64-9	Dibenzofuran	160	< 160 U
606-20-2	2,6-Dinitrotoluene	770	< 770 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS202-010
SAMPLE

Lab Sample ID: HQ48G
LIMS ID: 05-1648
Matrix: Sediment
Date Analyzed: 02/08/05 19:44

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	770	< 770 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	770	< 770 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,600	< 1,600 U
86-30-6	N-Nitrosodiphenylamine	160	< 160 U
101-55-3	4-Bromophenyl-phenylether	160	< 160 U
118-74-1	Hexachlorobenzene	160	< 160 U
87-86-5	Pentachlorophenol	770	< 770 U
85-01-8	Phenanthrene	160	430
86-74-8	Carbazole	160	< 160 U
120-12-7	Anthracene	160	150 J
84-74-2	Di-n-Butylphthalate	160	< 160 U
206-44-0	Fluoranthene	160	470
129-00-0	Pyrene	160	890
85-68-7	Butylbenzylphthalate	160	< 160 U
91-94-1	3,3'-Dichlorobenzidine	770	< 770 U
56-55-3	Benzo (a) anthracene	160	240
117-81-7	bis (2-Ethylhexyl) phthalate	160	560
218-01-9	Chrysene	160	460
117-84-0	Di-n-Octyl phthalate	160	< 160 U
205-99-2	Benzo (b) fluoranthene	160	370
207-08-9	Benzo (k) fluoranthene	160	410
50-32-8	Benzo (a) pyrene	160	300
193-39-5	Indeno (1,2,3-cd) pyrene	160	80 J
53-70-3	Dibenz (a,h) anthracene	160	< 160 U
191-24-2	Benzo (g,h,i) perylene	160	87 J
62-53-3	Aniline	160	< 160 U
62-75-9	N-Nitrosodimethylamine	770	< 770 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	48.2%	2-Fluorobiphenyl	49.0%
d14-p-Terphenyl	54.2%	d4-1,2-Dichlorobenzene	42.6%
d5-Phenol	46.5%	2-Fluorophenol	44.5%
2,4,6-Tribromophenol	46.1%	d4-2-Chlorophenol	45.5%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS202-010
SAMPLE

Lab Sample ID: HQ48G

LIMS ID: 05-1648

Matrix: Sediment

Data Release Authorized:

Reported: 02/04/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/03/05 15:20

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 1.60 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 46.7 %


pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	31	280
205-99-2	Benzo (b) fluoranthene	31	420
50-32-8	Benzo (a) pyrene	31	300
193-39-5	Indeno (1,2,3-cd) pyrene	31	140
106-46-7	1,4-Dichlorobenzene	31	< 31 U
120-82-1	1,2,4-Trichlorobenzene	31	< 31 U
118-74-1	Hexachlorobenzene	31	< 31 U
87-68-3	Hexachlorobutadiene	31	< 31 U
65-85-0	Benzoic Acid	310	< 310 U
131-11-3	Dimethylphthalate	31	< 31 U
84-66-2	Diethylphthalate	31	< 31 U
85-68-7	Butylbenzylphthalate	31	< 31 U
95-48-7	2-Methylphenol	31	< 31 U
105-67-9	2,4-Dimethylphenol	31	< 31 U
86-30-6	N-Nitrosodiphenylamine	31	< 31 U
100-51-6	Benzyl Alcohol	160	< 160 U
87-86-5	Pentachlorophenol	160	< 160 U
95-50-1	1,2-Dichlorobenzene	31	< 31 U
621-64-7	N-Nitroso-Di-N-Propylamine	160	< 160 U
62-75-9	N-Nitrosodimethylamine	160	< 160 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	50.8%	d5-Phenol	49.1%
2-Fluorophenol	44.5%	d4-2-Chlorophenol	47.7%
d4-1,2-Dichlorobenzene	40.4%	d5-Nitrobenzene	47.6%
2,4,6-Tribromophenol	78.7%	d14-p-Terphenyl	78.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2Sample ID: LDW-SS51-010
SAMPLELab Sample ID: HP70K
LIMS ID: 05-1108
Matrix: Sediment
Data Release Authorized: 
Reported: 02/09/05QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05Date Extracted: 01/24/05
Date Analyzed: 02/02/05 15:04
Instrument/Analyst: NT6/LJR
GPC Cleanup: NOSample Amount: 25.5 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 52.5%
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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 2 of 2

Sample ID: LDW-SS51-010
SAMPLE

Lab Sample ID: HP70K
 LIMS ID: 05-1108
 Matrix: Sediment
 Date Analyzed: 02/02/05 15:04

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	110
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	39
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	330
129-00-0	Pyrene	20	240
85-68-7	Butylbenzylphthalate	20	28
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	120 B
218-01-9	Chrysene	20	270
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	170
207-08-9	Benzo (k) fluoranthene	20	110
50-32-8	Benzo (a) pyrene	20	120
193-39-5	Indeno (1,2,3-cd) pyrene	20	46
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	38
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.4%	2-Fluorobiphenyl	86.4%
d14-p-Terphenyl	78.4%	d4-1,2-Dichlorobenzene	75.6%
d5-Phenol	80.8%	2-Fluorophenol	74.9%
2,4,6-Tribromophenol	113%	d4-2-Chlorophenol	86.4%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS51-010
SAMPLE

Lab Sample ID: HU13E

LIMS ID: 05-3948

Matrix: Sediment

Data Release Authorized: *MS*

Reported: 03/07/05

QC Report No: HU13-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Date Analyzed: 03/04/05 15:49

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.62 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 52.5 %

pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	39
205-99-2	Benzo (b) fluoranthene	6.6	32
50-32-8	Benzo (a) pyrene	6.6	38
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	28
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	6.6 B
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	79.2%	d5-Phenol	67.5%
2-Fluorophenol	73.9%	d4-2-Chlorophenol	73.6%
d4-1,2-Dichlorobenzene	73.2%	d5-Nitrobenzene	72.4%
2,4,6-Tribromophenol	91.5%	d14-p-Terphenyl	90.4%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS52-010
SAMPLE

Lab Sample ID: HQ56B
LIMS ID: 05-1728
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 02/11/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Date Extracted: 02/04/05
Date Analyzed: 02/08/05 16:45
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 53.6%
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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	99	< 99 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS52-010
SAMPLE

Lab Sample ID: HQ56B
LIMS ID: 05-1728
Matrix: Sediment
Date Analyzed: 02/08/05 16:45

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	Phenanthrene	20	74
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	36
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	250
129-00-0	Pyrene	20	150
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	120
117-81-7	bis (2-Ethylhexyl)phthalate	20	95
218-01-9	Chrysene	20	240
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	100
50-32-8	Benzo (a) pyrene	20	110
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	28
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	NV

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.6%	2-Fluorobiphenyl	91.6%
d14-p-Terphenyl	71.2%	d4-1,2-Dichlorobenzene	78.4%
d5-Phenol	73.1%	2-Fluorophenol	76.8%
2,4,6-Tribromophenol	97.6%	d4-2-Chlorophenol	85.1%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS52-010
SAMPLE

Lab Sample ID: HU13Q

LIMS ID: 05-3960

Matrix: Sediment

Data Release Authorized:

Reported: 03/07/05

QC Report No: HU13-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Date Analyzed: 03/04/05 21:51

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.68 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 53.6 %

pH: 6.7

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	8.5
205-99-2	Benzo (b) fluoranthene	6.5	12
50-32-8	Benzo (a) pyrene	6.5	9.1
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	6.5
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	7.8 B
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	67.6%	d5-Phenol	58.9%
2-Fluorophenol	58.9%	d4-2-Chlorophenol	65.9%
d4-1,2-Dichlorobenzene	64.0%	d5-Nitrobenzene	60.0%
2,4,6-Tribromophenol	70.1%	d14-p-Terphenyl	76.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS54-010

SAMPLE

Lab Sample ID: HQ48F

LIMS ID: 05-1647

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/08/05 19:11

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 38.5%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	97	< 97 U
111-44-4	Bis-(2-Chloroethyl) Ether	97	< 97 U
95-57-8	2-Chlorophenol	97	< 97 U
541-73-1	1,3-Dichlorobenzene	97	< 97 U
106-46-7	1,4-Dichlorobenzene	97	< 97 U
100-51-6	Benzyl Alcohol	97	< 97 U
95-50-1	1,2-Dichlorobenzene	97	< 97 U
95-48-7	2-Methylphenol	97	< 97 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	97	< 97 U
106-44-5	4-Methylphenol	97	< 97 U
621-64-7	N-Nitroso-Di-N-Propylamine	480	< 480 U
67-72-1	Hexachloroethane	97	< 97 U
98-95-3	Nitrobenzene	97	< 97 U
78-59-1	Isophorone	97	< 97 U
88-75-5	2-Nitrophenol	480	< 480 U
105-67-9	2,4-Dimethylphenol	97	< 97 U
65-85-0	Benzoic Acid	970	< 970 U
111-91-1	bis(2-Chloroethoxy) Methane	97	< 97 U
120-83-2	2,4-Dichlorophenol	480	< 480 U
120-82-1	1,2,4-Trichlorobenzene	97	< 97 U
91-20-3	Naphthalene	97	< 97 U
106-47-8	4-Chloroaniline	480	< 480 U
87-68-3	Hexachlorobutadiene	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	480	< 480 U
91-57-6	2-Methylnaphthalene	97	< 97 U
77-47-4	Hexachlorocyclopentadiene	480	< 480 U
88-06-2	2,4,6-Trichlorophenol	480	< 480 U
95-95-4	2,4,5-Trichlorophenol	480	< 480 U
91-58-7	2-Chloronaphthalene	97	< 97 U
88-74-4	2-Nitroaniline	480	< 480 U
131-11-3	Dimethylphthalate	97	< 97 U
208-96-8	Acenaphthylene	97	< 97 U
99-09-2	3-Nitroaniline	480	< 480 U
83-32-9	Acenaphthene	97	< 97 U
51-28-5	2,4-Dinitrophenol	970	< 970 U
100-02-7	4-Nitrophenol	480	< 480 U
132-64-9	Dibenzofuran	97	< 97 U
606-20-2	2,6-Dinitrotoluene	480	< 480 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS54-010

SAMPLE

Lab Sample ID: HQ48F

LIMS ID: 05-1647

Matrix: Sediment

Date Analyzed: 02/08/05 19:11

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	480	< 480 U
84-66-2	Diethylphthalate	97	< 97 U
7005-72-3	4-Chlorophenyl-phenylether	97	< 97 U
86-73-7	Fluorene	97	< 97 U
100-01-6	4-Nitroaniline	480	< 480 U
534-52-1	4,6-Dinitro-2-Methylphenol	970	< 970 U
86-30-6	N-Nitrosodiphenylamine	97	< 97 U
101-55-3	4-Bromophenyl-phenylether	97	< 97 U
118-74-1	Hexachlorobenzene	97	< 97 U
87-86-5	Pentachlorophenol	480	< 480 U
85-01-8	Phenanthrene	97	200
86-74-8	Carbazole	97	< 97 U
120-12-7	Anthracene	97	120
84-74-2	Di-n-Butylphthalate	97	< 97 U
206-44-0	Fluoranthene	97	420
129-00-0	Pyrene	97	830
85-68-7	Butylbenzylphthalate	97	< 97 U
91-94-1	3,3'-Dichlorobenzidine	480	< 480 U
56-55-3	Benzo (a) anthracene	97	250
117-81-7	bis (2-Ethylhexyl) phthalate	97	200
218-01-9	Chrysene	97	430
117-84-0	Di-n-Octyl phthalate	97	< 97 U
205-99-2	Benzo (b) fluoranthene	97	400
207-08-9	Benzo (k) fluoranthene	97	410
50-32-8	Benzo (a) pyrene	97	270
193-39-5	Indeno (1,2,3-cd) pyrene	97	68 J
53-70-3	Dibenz (a,h) anthracene	97	< 97 U
191-24-2	Benzo (g,h,i) perylene	97	55 J
62-53-3	Aniline	97	< 97 U
62-75-9	N-Nitrosodimethylamine	480	< 480 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	59.4%	2-Fluorobiphenyl	61.8%
d14-p-Terphenyl	71.2%	d4-1,2-Dichlorobenzene	53.8%
d5-Phenol	62.4%	2-Fluorophenol	56.7%
2,4,6-Tribromophenol	60.5%	d4-2-Chlorophenol	60.4%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS54-010
SAMPLE

Lab Sample ID: HU13N

QC Report No: HU13-Windward Environmental

LIMS ID: 05-3957

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/24/05

Reported: 03/07/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Sample Amount: 7.71 g-dry-wt

Date Analyzed: 03/04/05 20:14

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 38.5 %

pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	33
205-99-2	Benzo (b) fluoranthene	6.5	73
50-32-8	Benzo (a) pyrene	6.5	45
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	30
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	15 B
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	6.5
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U


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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	70.4%	d5-Phenol	56.8%
2-Fluorophenol	60.0%	d4-2-Chlorophenol	61.6%
d4-1,2-Dichlorobenzene	63.2%	d5-Nitrobenzene	60.4%
2,4,6-Tribromophenol	76.3%	d14-p-Terphenyl	83.2%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS55-010
SAMPLE

Lab Sample ID: HQ48C
LIMS ID: 05-1644
Matrix: Sediment
Data Release Authorized: 
Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/08/05 17:31
Instrument/Analyst: NT4/LJR
GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 38.5%
pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	140
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	58 J
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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	200
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	140
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS55-010
SAMPLE

Lab Sample ID: HQ48C
LIMS ID: 05-1644
Matrix: Sediment
Date Analyzed: 02/08/05 17:31

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	240
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	470
86-74-8	Carbazole	98	160
120-12-7	Anthracene	98	87 J
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	640
129-00-0	Pyrene	98	590
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	160
117-81-7	bis (2-Ethylhexyl) phthalate	98	98
218-01-9	Chrysene	98	220
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	190
207-08-9	Benzo (k) fluoranthene	98	170
50-32-8	Benzo (a) pyrene	98	110
193-39-5	Indeno (1,2,3-cd) pyrene	98	< 98 U
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	< 98 U
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.0%	2-Fluorobiphenyl	67.6%
d14-p-Terphenyl	71.6%	d4-1,2-Dichlorobenzene	53.8%
d5-Phenol	65.6%	2-Fluorophenol	59.3%
2,4,6-Tribromophenol	67.9%	d4-2-Chlorophenol	62.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS55-010
SAMPLE

Lab Sample ID: HT37C
LIMS ID: 05-3539
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/25/05

QC Report No: HT37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/20/05

Date Extracted: 02/21/05
Date Analyzed: 02/24/05 14:39
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.71 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 38.5 %
pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.5	87
205-99-2	Benzo(b)fluoranthene	6.5	100
50-32-8	Benzo(a)pyrene	6.5	73
193-39-5	Indeno(1,2,3-cd)pyrene	6.5	39
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	61.2%	d5-Phenol	55.5%
2-Fluorophenol	52.8%	d4-2-Chlorophenol	54.7%
d4-1,2-Dichlorobenzene	44.0%	d5-Nitrobenzene	30.8%
2,4,6-Tribromophenol	82.1%	d14-p-Terphenyl	76.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS56-010
SAMPLE

Lab Sample ID: HQ48T
LIMS ID: 05-1661
Matrix: Sediment
Data Release Authorized:
Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/10/05 19:29
Instrument/Analyst: NT4/LJR
GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 33.5%
pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	77 J
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS56-010
SAMPLE

Lab Sample ID: HQ48T
LIMS ID: 05-1661
Matrix: Sediment
Date Analyzed: 02/10/05 19:29

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	160
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	57 J
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	400
129-00-0	Pyrene	98	530
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	230
117-81-7	bis (2-Ethylhexyl) phthalate	98	210
218-01-9	Chrysene	98	360
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	280
207-08-9	Benzo (k) fluoranthene	98	310
50-32-8	Benzo (a) pyrene	98	330
193-39-5	Indeno (1,2,3-cd) pyrene	98	130
53-70-3	Dibenz (a, h) anthracene	98	< 98 U
191-24-2	Benzo (g, h, i) perylene	98	130
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

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


Semivolatile Surrogate Recovery

d5-Nitrobenzene	81.0%	2-Fluorobiphenyl	85.2%
d14-p-Terphenyl	95.0%	d4-1,2-Dichlorobenzene	71.8%
d5-Phenol	84.1%	2-Fluorophenol	77.6%
2,4,6-Tribromophenol	82.7%	d4-2-Chlorophenol	80.0%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS56-010
SAMPLE

Lab Sample ID: HQ48T
LIMS ID: 05-1661
Matrix: Sediment
Data Release Authorized: 
Reported: 02/04/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/03/05 20:45
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.65 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 33.5 %
pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	47
205-99-2	Benzo (b) fluoranthene	6.5	58
50-32-8	Benzo (a) pyrene	6.5	65
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	40
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	66.0%	d5-Phenol	60.3%
2-Fluorophenol	66.9%	d4-2-Chlorophenol	62.7%
d4-1,2-Dichlorobenzene	58.4%	d5-Nitrobenzene	63.6%
2,4,6-Tribromophenol	72.5%	d14-p-Terphenyl	81.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS57-010

SAMPLE

Lab Sample ID: HQ48S

LIMS ID: 05-1660

Matrix: Sediment

Data Release Authorized:

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/10/05 18:56

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 17.2 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 48.2%

pH: 7.2

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
106-46-7	1,4-Dichlorobenzene	140	< 140 U
100-51-6	Benzyl Alcohol	140	< 140 U
95-50-1	1,2-Dichlorobenzene	140	< 140 U
95-48-7	2-Methylphenol	140	< 140 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	140	< 140 U
106-44-5	4-Methylphenol	140	< 140 U
621-64-7	N-Nitroso-Di-N-Propylamine	720	< 720 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	720	< 720 U
105-67-9	2,4-Dimethylphenol	140	< 140 U
65-85-0	Benzoic Acid	1,400	< 1,400 U
111-91-1	bis(2-Chloroethoxy) Methane	140	< 140 U
120-83-2	2,4-Dichlorophenol	720	< 720 U
120-82-1	1,2,4-Trichlorobenzene	140	< 140 U
91-20-3	Naphthalene	140	< 140 U
106-47-8	4-Chloroaniline	720	< 720 U
87-68-3	Hexachlorobutadiene	140	< 140 U
59-50-7	4-Chloro-3-methylphenol	720	< 720 U
91-57-6	2-Methylnaphthalene	140	< 140 U
77-47-4	Hexachlorocyclopentadiene	720	< 720 U
88-06-2	2,4,6-Trichlorophenol	720	< 720 U
95-95-4	2,4,5-Trichlorophenol	720	< 720 U
91-58-7	2-Chloronaphthalene	140	< 140 U
88-74-4	2-Nitroaniline	720	< 720 U
131-11-3	Dimethylphthalate	140	< 140 U
208-96-8	Acenaphthylene	140	< 140 U
99-09-2	3-Nitroaniline	720	< 720 U
83-32-9	Acenaphthene	140	< 140 U
51-28-5	2,4-Dinitrophenol	1,400	< 1,400 U
100-02-7	4-Nitrophenol	720	< 720 U
132-64-9	Dibenzofuran	140	< 140 U
606-20-2	2,6-Dinitrotoluene	720	< 720 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS57-010

SAMPLE

Lab Sample ID: HQ48S

LIMS ID: 05-1660

Matrix: Sediment

Date Analyzed: 02/10/05 18:56

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	720	< 720 U
84-66-2	Diethylphthalate	140	< 140 U
7005-72-3	4-Chlorophenyl-phenylether	140	< 140 U
86-73-7	Fluorene	140	< 140 U
100-01-6	4-Nitroaniline	720	< 720 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,400	< 1,400 U
86-30-6	N-Nitrosodiphenylamine	140	< 140 U
101-55-3	4-Bromophenyl-phenylether	140	< 140 U
118-74-1	Hexachlorobenzene	140	< 140 U
87-86-5	Pentachlorophenol	720	< 720 U
85-01-8	Phenanthrene	140	190
86-74-8	Carbazole	140	< 140 U
120-12-7	Anthracene	140	< 140 U
84-74-2	Di-n-Butylphthalate	140	< 140 U
206-44-0	Fluoranthene	140	420
129-00-0	Pyrene	140	580
85-68-7	Butylbenzylphthalate	140	< 140 U
91-94-1	3,3'-Dichlorobenzidine	720	< 720 U
56-55-3	Benzo(a)anthracene	140	190
117-81-7	bis(2-Ethylhexyl)phthalate	140	290
218-01-9	Chrysene	140	290
117-84-0	Di-n-Octyl phthalate	140	< 140 U
205-99-2	Benzo(b)fluoranthene	140	280
207-08-9	Benzo(k)fluoranthene	140	300
50-32-8	Benzo(a)pyrene	140	230
193-39-5	Indeno(1,2,3-cd)pyrene	140	100 J
53-70-3	Dibenz(a,h)anthracene	140	< 140 U
191-24-2	Benzo(g,h,i)perylene	140	99 J
62-53-3	Aniline	140	< 140 U
62-75-9	N-Nitrosodimethylamine	720	< 720 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	53.6%	2-Fluorobiphenyl	58.2%
d14-p-Terphenyl	68.4%	d4-1,2-Dichlorobenzene	47.6%
d5-Phenol	56.7%	2-Fluorophenol	51.1%
2,4,6-Tribromophenol	54.9%	d4-2-Chlorophenol	54.1%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS58-010

SAMPLE

Lab Sample ID: HQ48R

LIMS ID: 05-1659

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/10/05 18:23

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 16.9 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 49.5%

pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	150	< 150 U
111-44-4	Bis-(2-Chloroethyl) Ether	150	< 150 U
95-57-8	2-Chlorophenol	150	< 150 U
541-73-1	1,3-Dichlorobenzene	150	< 150 U
106-46-7	1,4-Dichlorobenzene	150	< 150 U
100-51-6	Benzyl Alcohol	150	< 150 U
95-50-1	1,2-Dichlorobenzene	150	< 150 U
95-48-7	2-Methylphenol	150	< 150 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	150	< 150 U
106-44-5	4-Methylphenol	150	< 150 U
621-64-7	N-Nitroso-Di-N-Propylamine	740	< 740 U
67-72-1	Hexachloroethane	150	< 150 U
98-95-3	Nitrobenzene	150	< 150 U
78-59-1	Isophorone	150	< 150 U
88-75-5	2-Nitrophenol	740	< 740 U
105-67-9	2,4-Dimethylphenol	150	< 150 U
65-85-0	Benzoic Acid	1,500	< 1,500 U
111-91-1	bis(2-Chloroethoxy) Methane	150	< 150 U
120-83-2	2,4-Dichlorophenol	740	< 740 U
120-82-1	1,2,4-Trichlorobenzene	150	< 150 U
91-20-3	Naphthalene	150	< 150 U
106-47-8	4-Chloroaniline	740	< 740 U
87-68-3	Hexachlorobutadiene	150	< 150 U
59-50-7	4-Chloro-3-methylphenol	740	< 740 U
91-57-6	2-Methylnaphthalene	150	< 150 U
77-47-4	Hexachlorocyclopentadiene	740	< 740 U
88-06-2	2,4,6-Trichlorophenol	740	< 740 U
95-95-4	2,4,5-Trichlorophenol	740	< 740 U
91-58-7	2-Chloronaphthalene	150	< 150 U
88-74-4	2-Nitroaniline	740	< 740 U
131-11-3	Dimethylphthalate	150	< 150 U
208-96-8	Acenaphthylene	150	< 150 U
99-09-2	3-Nitroaniline	740	< 740 U
83-32-9	Acenaphthene	150	< 150 U
51-28-5	2,4-Dinitrophenol	1,500	< 1,500 U
100-02-7	4-Nitrophenol	740	< 740 U
132-64-9	Dibenzofuran	150	< 150 U
606-20-2	2,6-Dinitrotoluene	740	< 740 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS58-010
SAMPLE

Lab Sample ID: HQ48R
LIMS ID: 05-1659
Matrix: Sediment
Date Analyzed: 02/10/05 18:23

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	740	< 740 U
84-66-2	Diethylphthalate	150	< 150 U
7005-72-3	4-Chlorophenyl-phenylether	150	< 150 U
86-73-7	Fluorene	150	< 150 U
100-01-6	4-Nitroaniline	740	< 740 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,500	< 1,500 U
86-30-6	N-Nitrosodiphenylamine	150	< 150 U
101-55-3	4-Bromophenyl-phenylether	150	< 150 U
118-74-1	Hexachlorobenzene	150	< 150 U
87-86-5	Pentachlorophenol	740	< 740 U
85-01-8	Phenanthrene	150	170
86-74-8	Carbazole	150	< 150 U
120-12-7	Anthracene	150	< 150 U
84-74-2	Di-n-Butylphthalate	150	< 150 U
206-44-0	Fluoranthene	150	320
129-00-0	Pyrene	150	400
85-68-7	Butylbenzylphthalate	150	< 150 U
91-94-1	3,3'-Dichlorobenzidine	740	< 740 U
56-55-3	Benzo(a)anthracene	150	150
117-81-7	bis(2-Ethylhexyl)phthalate	150	280
218-01-9	Chrysene	150	290
117-84-0	Di-n-Octyl phthalate	150	< 150 U
205-99-2	Benzo(b)fluoranthene	150	220
207-08-9	Benzo(k)fluoranthene	150	220
50-32-8	Benzo(a)pyrene	150	180
193-39-5	Indeno(1,2,3-cd)pyrene	150	80 J
53-70-3	Dibenz(a,h)anthracene	150	< 150 U
191-24-2	Benzo(g,h,i)perylene	150	86 J
62-53-3	Aniline	150	< 150 U
62-75-9	N-Nitrosodimethylamine	740	< 740 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.6%	2-Fluorobiphenyl	80.0%
d14-p-Terphenyl	92.4%	d4-1,2-Dichlorobenzene	62.6%
d5-Phenol	78.0%	2-Fluorophenol	69.5%
2,4,6-Tribromophenol	81.3%	d4-2-Chlorophenol	73.7%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS-60-010
SAMPLE

Lab Sample ID: HP90E
LIMS ID: 05-1223
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/09/05

QC Report No: HP90-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Date Extracted: 01/27/05
Date Analyzed: 02/03/05 20:30
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 27.4%
pH: 7.2

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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
621-64-7	N-Nitroso-Di-N-Propylamine	97	< 97 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
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
87-68-3	Hexachlorobutadiene	19	< 19 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS-60-010

SAMPLE

Lab Sample ID: HP90E

LIMS ID: 05-1223

Matrix: Sediment

Date Analyzed: 02/03/05 20:30

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	97	< 97 U
85-01-8	Phenanthrene	19	30
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	< 19 U
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	180
129-00-0	Pyrene	19	99
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	46
117-81-7	bis (2-Ethylhexyl) phthalate	19	20
218-01-9	Chrysene	19	84
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	38
207-08-9	Benzo (k) fluoranthene	19	24
50-32-8	Benzo (a) pyrene	19	26
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
62-75-9	N-Nitrosodimethylamine	97	< 97 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	74.4%	2-Fluorobiphenyl	84.4%
d14-p-Terphenyl	72.8%	d4-1,2-Dichlorobenzene	72.4%
d5-Phenol	77.1%	2-Fluorophenol	47.7%
2,4,6-Tribromophenol	89.9%	d4-2-Chlorophenol	77.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS-60-010

Page 1 of 1

SAMPLE

Lab Sample ID: HP90E

QC Report No: HP90-Windward Environmental, LLC

LIMS ID: 05-1223

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 01/19/05

Reported: 02/03/05

Date Received: 01/19/05

Date Extracted: 01/28/05

Sample Amount: 7.64 g-dry-wt

Date Analyzed: 01/31/05 23:00

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 27.4 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	12
205-99-2	Benzo (b) fluoranthene	6.5	11
50-32-8	Benzo (a) pyrene	6.5	9.2
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	< 6.5 U
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	59.2%	d5-Phenol	59.7%
2-Fluorophenol	47.5%	d4-2-Chlorophenol	57.1%
d4-1,2-Dichlorobenzene	53.2%	d5-Nitrobenzene	55.6%
2,4,6-Tribromophenol	62.4%	d14-p-Terphenyl	66.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS63-010
SAMPLE

Lab Sample ID: HQ27I
LIMS ID: 05-1487
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/10/05

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Date Extracted: 01/31/05
Date Analyzed: 02/06/05 23:42
Instrument/Analyst: NT4/LJR
GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 33.4%
pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS63-010
SAMPLE

Lab Sample ID: HQ27I
LIMS ID: 05-1487
Matrix: Sediment
Date Analyzed: 02/06/05 23:42

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	190
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	62 J
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	470
129-00-0	Pyrene	98	310
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	140
117-81-7	bis (2-Ethylhexyl) phthalate	98	150
218-01-9	Chrysene	98	260
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	180
207-08-9	Benzo (k) fluoranthene	98	210
50-32-8	Benzo (a) pyrene	98	110
193-39-5	Indeno (1,2,3-cd) pyrene	98	< 98 U
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	< 98 U
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.8%	2-Fluorobiphenyl	66.6%
d14-p-Terphenyl	66.2%	d4-1,2-Dichlorobenzene	57.0%
d5-Phenol	51.7%	2-Fluorophenol	53.6%
2,4,6-Tribromophenol	47.9%	d4-2-Chlorophenol	53.5%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS63-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ27I

QC Report No: HQ27-Windward Environmental, LLC

LIMS ID: 05-1487

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/21/05

Reported: 02/09/05

Date Received: 01/21/05

Date Extracted: 01/28/05

Sample Amount: 7.67 g-dry-wt

Date Analyzed: 02/01/05 22:20

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 33.4 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	24
205-99-2	Benzo (b) fluoranthene	6.5	30
50-32-8	Benzo (a) pyrene	6.5	20
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	15
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	10
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	75.2%	d5-Phenol	70.7%
2-Fluorophenol	60.5%	d4-2-Chlorophenol	69.9%
d4-1,2-Dichlorobenzene	62.0%	d5-Nitrobenzene	68.8%
2,4,6-Tribromophenol	74.7%	d14-p-Terphenyl	84.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS64-010
SAMPLE

Lab Sample ID: HQ480
LIMS ID: 05-1656
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/10/05 16:42
Instrument/Analyst: NT4/LJR
GPC Cleanup: NO

Sample Amount: 25.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 41.7%
pH: 7.1

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
106-46-7	1,4-Dichlorobenzene	100	< 100 U
100-51-6	Benzyl Alcohol	100	< 100 U
95-50-1	1,2-Dichlorobenzene	100	< 100 U
95-48-7	2-Methylphenol	100	< 100 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	100	< 100 U
106-44-5	4-Methylphenol	100	< 100 U
621-64-7	N-Nitroso-Di-N-Propylamine	500	< 500 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
105-67-9	2,4-Dimethylphenol	100	< 100 U
65-85-0	Benzoic Acid	1,000	< 1,000 U
111-91-1	bis(2-Chloroethoxy) Methane	100	< 100 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
120-82-1	1,2,4-Trichlorobenzene	100	< 100 U
91-20-3	Naphthalene	100	< 100 U
106-47-8	4-Chloroaniline	500	< 500 U
87-68-3	Hexachlorobutadiene	100	< 100 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS64-010
SAMPLE

Lab Sample ID: HQ480
LIMS ID: 05-1656
Matrix: Sediment
Date Analyzed: 02/10/05 16:42

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	100	< 100 U
101-55-3	4-Bromophenyl-phenylether	100	< 100 U
118-74-1	Hexachlorobenzene	100	< 100 U
87-86-5	Pentachlorophenol	500	< 500 U
85-01-8	Phenanthrene	100	210
86-74-8	Carbazole	100	< 100 U
120-12-7	Anthracene	100	120
84-74-2	Di-n-Butylphthalate	100	< 100 U
206-44-0	Fluoranthene	100	820
129-00-0	Pyrene	100	620
85-68-7	Butylbenzylphthalate	100	< 100 U
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	100	320
117-81-7	bis (2-Ethylhexyl) phthalate	100	240
218-01-9	Chrysene	100	530
117-84-0	Di-n-Octyl phthalate	100	< 100 U
205-99-2	Benzo (b) fluoranthene	100	380
207-08-9	Benzo (k) fluoranthene	100	380
50-32-8	Benzo (a) pyrene	100	280
193-39-5	Indeno (1,2,3-cd) pyrene	100	130
53-70-3	Dibenz (a, h) anthracene	100	< 100 U
191-24-2	Benzo (g, h, i) perylene	100	140
62-53-3	Aniline	100	< 100 U
62-75-9	N-Nitrosodimethylamine	500	< 500 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	80.2%	2-Fluorobiphenyl	82.0%
d14-p-Terphenyl	92.8%	d4-1,2-Dichlorobenzene	71.0%
d5-Phenol	82.3%	2-Fluorophenol	75.6%
2,4,6-Tribromophenol	81.1%	d4-2-Chlorophenol	77.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS64-010
SAMPLE

Lab Sample ID: HQ480
LIMS ID: 05-1656
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/04/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/03/05 19:40
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.61 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 41.7 %
pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	60
205-99-2	Benzo (b) fluoranthene	6.6	53
50-32-8	Benzo (a) pyrene	6.6	49
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	32
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	64.0%	d5-Phenol	61.6%
2-Fluorophenol	67.5%	d4-2-Chlorophenol	62.7%
d4-1,2-Dichlorobenzene	58.0%	d5-Nitrobenzene	63.6%
2,4,6-Tribromophenol	68.5%	d14-p-Terphenyl	73.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS67-010

SAMPLE

Lab Sample ID: HQ27H

LIMS ID: 05-1486

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 02/10/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 01/31/05

Date Analyzed: 02/06/05 22:02

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 26.1 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 24.5%

pH: 7.8

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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
621-64-7	N-Nitroso-Di-N-Propylamine	96	< 96 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
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	96	< 96 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	96	< 96 U
87-68-3	Hexachlorobutadiene	19	< 19 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS67-010

SAMPLE

Lab Sample ID: HQ27H

LIMS ID: 05-1486

Matrix: Sediment

Date Analyzed: 02/06/05 22:02

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	96	< 96 U
85-01-8	Phenanthrene	19	< 19 U
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	< 19 U
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	33
129-00-0	Pyrene	19	28
85-68-7	Butylbenzylphthalate	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	22
218-01-9	Chrysene	19	23
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	23
207-08-9	Benzo (k) fluoranthene	19	24
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
62-75-9	N-Nitrosodimethylamine	96	< 96 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	55.6%	2-Fluorobiphenyl	61.2%
d14-p-Terphenyl	59.2%	d4-1,2-Dichlorobenzene	49.6%
d5-Phenol	50.1%	2-Fluorophenol	50.9%
2,4,6-Tribromophenol	57.9%	d4-2-Chlorophenol	53.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS67-010

Page 1 of 1

SAMPLE

Lab Sample ID: HU13M

QC Report No: HU13-Windward Environmental

LIMS ID: 05-3956

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/21/05

Reported: 03/15/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Sample Amount: 7.58 g-dry-wt

Date Analyzed: 03/04/05 19:41

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 24.5 %

pH: 7.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	12
205-99-2	Benzo (b) fluoranthene	6.6	21
50-32-8	Benzo (a) pyrene	6.6	9.9
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	7.3
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	3.3	< 3.3 UJ
118-74-1	Hexachlorobenzene	3.3	< 3.3 UJ
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	12 B
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	59.6%	d5-Phenol	52.0%
2-Fluorophenol	43.7%	d4-2-Chlorophenol	55.7%
d4-1,2-Dichlorobenzene	53.2%	d5-Nitrobenzene	53.6%
2,4,6-Tribromophenol	67.7%	d14-p-Terphenyl	65.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS70-010

SAMPLE

Lab Sample ID: HQ27J

LIMS ID: 05-1488

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 02/10/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 01/31/05

Date Analyzed: 02/07/05 00:16

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 14.0 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 44.2%

pH: 7.2

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
106-46-7	1,4-Dichlorobenzene	180	< 180 U
100-51-6	Benzyl Alcohol	180	< 180 U
95-50-1	1,2-Dichlorobenzene	180	< 180 U
95-48-7	2-Methylphenol	180	< 180 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	180	< 180 U
106-44-5	4-Methylphenol	180	< 180 U
621-64-7	N-Nitroso-Di-N-Propylamine	890	< 890 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
105-67-9	2,4-Dimethylphenol	180	< 180 U
65-85-0	Benzoic Acid	1,800	< 1,800 U
111-91-1	bis(2-Chloroethoxy) Methane	180	< 180 U
120-83-2	2,4-Dichlorophenol	890	< 890 U
120-82-1	1,2,4-Trichlorobenzene	180	< 180 U
91-20-3	Naphthalene	180	< 180 U
106-47-8	4-Chloroaniline	890	< 890 U
87-68-3	Hexachlorobutadiene	180	< 180 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
208-96-8	Acenaphthylene	180	< 180 U
99-09-2	3-Nitroaniline	890	< 890 U
83-32-9	Acenaphthene	180	< 180 U
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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS70-010

SAMPLE

Lab Sample ID: HQ27J

LIMS ID: 05-1488

Matrix: Sediment

Date Analyzed: 02/07/05 00:16

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-73-7	Fluorene	180	< 180 U
100-01-6	4-Nitroaniline	890	< 890 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,800	< 1,800 U
86-30-6	N-Nitrosodiphenylamine	180	< 180 U
101-55-3	4-Bromophenyl-phenylether	180	< 180 U
118-74-1	Hexachlorobenzene	180	< 180 U
87-86-5	Pentachlorophenol	890	< 890 U
85-01-8	Phenanthrene	180	200
86-74-8	Carbazole	180	< 180 U
120-12-7	Anthracene	180	< 180 U
84-74-2	Di-n-Butylphthalate	180	< 180 U
206-44-0	Fluoranthene	180	1,100
129-00-0	Pyrene	180	860
85-68-7	Butylbenzylphthalate	180	< 180 U
91-94-1	3,3'-Dichlorobenzidine	890	< 890 U
56-55-3	Benzo (a) anthracene	180	300
117-81-7	bis (2-Ethylhexyl) phthalate	180	1,700
218-01-9	Chrysene	180	550
117-84-0	Di-n-Octyl phthalate	180	1,000
205-99-2	Benzo (b) fluoranthene	180	410
207-08-9	Benzo (k) fluoranthene	180	470
50-32-8	Benzo (a) pyrene	180	240
193-39-5	Indeno (1,2,3-cd) pyrene	180	< 180 U
53-70-3	Dibenz (a,h) anthracene	180	< 180 U
191-24-2	Benzo (g,h,i) perylene	180	< 180 U
62-53-3	Aniline	180	< 180 U
62-75-9	N-Nitrosodimethylamine	890	< 890 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	66.2%	2-Fluorobiphenyl	67.8%
d14-p-Terphenyl	71.6%	d4-1,2-Dichlorobenzene	57.4%
d5-Phenol	33.2%	2-Fluorophenol	54.9%
2,4,6-Tribromophenol	54.7%	d4-2-Chlorophenol	58.7%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS72-010

SAMPLE

Lab Sample ID: HQ48D

LIMS ID: 05-1645

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/08/05 18:04

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: 55.0%

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
106-46-7	1,4-Dichlorobenzene	99	< 99 U
100-51-6	Benzyl Alcohol	99	< 99 U
95-50-1	1,2-Dichlorobenzene	99	< 99 U
95-48-7	2-Methylphenol	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 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
105-67-9	2,4-Dimethylphenol	99	< 99 U
65-85-0	Benzoic Acid	990	< 990 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	99	< 99 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	99	< 99 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS72-010
SAMPLE

Lab Sample ID: HQ48D
LIMS ID: 05-1645
Matrix: Sediment
Date Analyzed: 02/08/05 18:04

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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	58 J
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	990	< 990 U
86-30-6	N-Nitrosodiphenylamine	99	< 99 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
118-74-1	Hexachlorobenzene	99	< 99 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	99	240
86-74-8	Carbazole	99	51 J
120-12-7	Anthracene	99	200
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	1,100
129-00-0	Pyrene	99	920
85-68-7	Butylbenzylphthalate	99	< 99 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	99	410
117-81-7	bis (2-Ethylhexyl)phthalate	99	400
218-01-9	Chrysene	99	600
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo (b) fluoranthene	99	500
207-08-9	Benzo (k) fluoranthene	99	530
50-32-8	Benzo (a) pyrene	99	330
193-39-5	Indeno (1,2,3-cd)pyrene	99	73 J
53-70-3	Dibenz (a,h) anthracene	99	< 99 U
191-24-2	Benzo (g,h,i) perylene	99	59 J
62-53-3	Aniline	99	< 99 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	55.6%	2-Fluorobiphenyl	58.6%
d14-p-Terphenyl	68.6%	d4-1,2-Dichlorobenzene	49.6%
d5-Phenol	59.6%	2-Fluorophenol	53.3%
2,4,6-Tribromophenol	58.0%	d4-2-Chlorophenol	56.4%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS72-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ48D

QC Report No: HQ48-Windward Environmental, LLC

LIMS ID: 05-1645

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 01/24/05

Reported: 02/04/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Sample Amount: 7.66 g-dry-wt

Date Analyzed: 02/03/05 13:42

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 55.0 %

pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	32
205-99-2	Benzo (b) fluoranthene	6.5	33
50-32-8	Benzo (a) pyrene	6.5	24
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	17
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	65.2%	d5-Phenol	61.9%
2-Fluorophenol	62.9%	d4-2-Chlorophenol	62.9%
d4-1,2-Dichlorobenzene	58.0%	d5-Nitrobenzene	63.6%
2,4,6-Tribromophenol	71.2%	d14-p-Terphenyl	70.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS75-010

SAMPLE

Lab Sample ID: HQ27K

LIMS ID: 05-1489

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/10/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 01/31/05

Date Analyzed: 02/08/05 14:12

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: 41.5%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS75-010
SAMPLE

Lab Sample ID: HQ27K
LIMS ID: 05-1489
Matrix: Sediment
Date Analyzed: 02/08/05 14:12

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	110
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	26
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	230
129-00-0	Pyrene	20	180
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	80
117-81-7	bis(2-Ethylhexyl)phthalate	20	74
218-01-9	Chrysene	20	220
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	120
50-32-8	Benzo(a)pyrene	20	88
193-39-5	Indeno(1,2,3-cd)pyrene	20	40
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	41
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	64.0%	2-Fluorobiphenyl	65.6%
d14-p-Terphenyl	73.6%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	68.5%	2-Fluorophenol	62.1%
2,4,6-Tribromophenol	70.9%	d4-2-Chlorophenol	66.4%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS76-010
SAMPLE

Lab Sample ID: HQ17K
LIMS ID: 05-1415
Matrix: Sediment
Data Release Authorized:
Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 02/08/05 15:08
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 52.5%
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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	99	< 99 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS76-010

SAMPLE

Lab Sample ID: HQ17K

LIMS ID: 05-1415

Matrix: Sediment

Date Analyzed: 02/08/05 15:08

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	Phenanthrene	20	45
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	130
129-00-0	Pyrene	20	120
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	68
117-81-7	bis (2-Ethylhexyl) phthalate	20	59
218-01-9	Chrysene	20	130
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	70
50-32-8	Benzo (a) pyrene	20	80
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	28
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	49.2%	2-Fluorobiphenyl	56.4%
d14-p-Terphenyl	53.2%	d4-1,2-Dichlorobenzene	47.6%
d5-Phenol	46.4%	2-Fluorophenol	47.5%
2,4,6-Tribromophenol	64.5%	d4-2-Chlorophenol	54.1%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS76-010

Page 1 of 1

SAMPLE

Lab Sample ID: HU13H

QC Report No: HU13-Windward Environmental

LIMS ID: 05-3951

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/20/05

Reported: 03/07/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Sample Amount: 7.60 g-dry-wt

Date Analyzed: 03/04/05 16:57

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 52.5 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	51
205-99-2	Benzo (b) fluoranthene	6.6	54
50-32-8	Benzo (a) pyrene	6.6	51
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	32
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	66
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	14 B
85-68-7	Butylbenzylphthalate	6.6	9.9
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	7.2
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	59.6%	d5-Phenol	54.4%
2-Fluorophenol	53.6%	d4-2-Chlorophenol	54.1%
d4-1,2-Dichlorobenzene	45.6%	d5-Nitrobenzene	47.2%
2,4,6-Tribromophenol	76.0%	d14-p-Terphenyl	67.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS79-010

SAMPLE

Lab Sample ID: HQ48E

LIMS ID: 05-1646

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/08/05 18:38

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: 45.0%

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
106-46-7	1,4-Dichlorobenzene	59	< 59 U
100-51-6	Benzyl Alcohol	59	< 59 U
95-50-1	1,2-Dichlorobenzene	59	< 59 U
95-48-7	2-Methylphenol	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
621-64-7	N-Nitroso-Di-N-Propylamine	300	< 300 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
105-67-9	2,4-Dimethylphenol	59	< 59 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	59	< 59 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS79-010

SAMPLE

Lab Sample ID: HQ48E

LIMS ID: 05-1646

Matrix: Sediment

Date Analyzed: 02/08/05 18:38

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	59	< 59 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
118-74-1	Hexachlorobenzene	59	< 59 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	Phenanthrene	59	62
86-74-8	Carbazole	59	< 59 U
120-12-7	Anthracene	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	100
129-00-0	Pyrene	59	110
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	37 J
117-81-7	bis (2-Ethylhexyl) phthalate	59	110
218-01-9	Chrysene	59	60
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	57 J
207-08-9	Benzo (k) fluoranthene	59	56 J
50-32-8	Benzo (a) pyrene	59	38 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
62-75-9	N-Nitrosodimethylamine	300	< 300 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	65.9%	2-Fluorobiphenyl	69.4%
d14-p-Terphenyl	79.0%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	70.6%	2-Fluorophenol	61.1%
2,4,6-Tribromophenol	72.9%	d4-2-Chlorophenol	66.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS79-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ48E

QC Report No: HQ48-Windward Environmental, LLC

LIMS ID: 05-1646

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/24/05

Reported: 02/04/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Sample Amount: 7.70 g-dry-wt

Date Analyzed: 02/03/05 14:14

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 45.0 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.5	7.8
205-99-2	Benzo(b)fluoranthene	6.5	9.1
50-32-8	Benzo(a)pyrene	6.5	6.5
193-39-5	Indeno(1,2,3-cd)pyrene	6.5	< 6.5 U
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	72.8%	d5-Phenol	75.5%
2-Fluorophenol	72.3%	d4-2-Chlorophenol	71.5%
d4-1,2-Dichlorobenzene	65.2%	d5-Nitrobenzene	74.0%
2,4,6-Tribromophenol	82.1%	d14-p-Terphenyl	83.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2


Sample ID: LDW-SS83-010

SAMPLE

Lab Sample ID: HQ48P

LIMS ID: 05-1657

Matrix: Sediment

Data Release Authorized: 

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/10/05 17:16

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 49.1%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	97	< 97 U
111-44-4	Bis-(2-Chloroethyl) Ether	97	< 97 U
95-57-8	2-Chlorophenol	97	< 97 U
541-73-1	1,3-Dichlorobenzene	97	< 97 U
106-46-7	1,4-Dichlorobenzene	97	< 97 U
100-51-6	Benzyl Alcohol	97	< 97 U
95-50-1	1,2-Dichlorobenzene	97	< 97 U
95-48-7	2-Methylphenol	97	< 97 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	97	< 97 U
106-44-5	4-Methylphenol	97	< 97 U
621-64-7	N-Nitroso-Di-N-Propylamine	480	< 480 U
67-72-1	Hexachloroethane	97	< 97 U
98-95-3	Nitrobenzene	97	< 97 U
78-59-1	Isophorone	97	< 97 U
88-75-5	2-Nitrophenol	480	< 480 U
105-67-9	2,4-Dimethylphenol	97	< 97 U
65-85-0	Benzoic Acid	970	< 970 U
111-91-1	bis(2-Chloroethoxy) Methane	97	< 97 U
120-83-2	2,4-Dichlorophenol	480	< 480 U
120-82-1	1,2,4-Trichlorobenzene	97	< 97 U
91-20-3	Naphthalene	97	< 97 U
106-47-8	4-Chloroaniline	480	< 480 U
87-68-3	Hexachlorobutadiene	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	480	< 480 U
91-57-6	2-Methylnaphthalene	97	< 97 U
77-47-4	Hexachlorocyclopentadiene	480	< 480 U
88-06-2	2,4,6-Trichlorophenol	480	< 480 U
95-95-4	2,4,5-Trichlorophenol	480	< 480 U
91-58-7	2-Chloronaphthalene	97	< 97 U
88-74-4	2-Nitroaniline	480	< 480 U
131-11-3	Dimethylphthalate	97	< 97 U
208-96-8	Acenaphthylene	97	< 97 U
99-09-2	3-Nitroaniline	480	< 480 U
83-32-9	Acenaphthene	97	< 97 U
51-28-5	2,4-Dinitrophenol	970	< 970 U
100-02-7	4-Nitrophenol	480	< 480 U
132-64-9	Dibenzofuran	97	< 97 U
606-20-2	2,6-Dinitrotoluene	480	< 480 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS83-010
SAMPLE

Lab Sample ID: HQ48P
LIMS ID: 05-1657
Matrix: Sediment
Date Analyzed: 02/10/05 17:16

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	480	< 480 U
84-66-2	Diethylphthalate	97	< 97 U
7005-72-3	4-Chlorophenyl-phenylether	97	< 97 U
86-73-7	Fluorene	97	57 J
100-01-6	4-Nitroaniline	480	< 480 U
534-52-1	4,6-Dinitro-2-Methylphenol	970	< 970 U
86-30-6	N-Nitrosodiphenylamine	97	< 97 U
101-55-3	4-Bromophenyl-phenylether	97	< 97 U
118-74-1	Hexachlorobenzene	97	< 97 U
87-86-5	Pentachlorophenol	480	< 480 U
85-01-8	Phenanthrene	97	400
86-74-8	Carbazole	97	99
120-12-7	Anthracene	97	240
84-74-2	Di-n-Butylphthalate	97	< 97 U
206-44-0	Fluoranthene	97	1,500
129-00-0	Pyrene	97	1,400
85-68-7	Butylbenzylphthalate	97	91 J
91-94-1	3,3'-Dichlorobenzidine	480	< 480 U
56-55-3	Benzo(a)anthracene	97	650
117-81-7	bis(2-Ethylhexyl)phthalate	97	460
218-01-9	Chrysene	97	1,400
117-84-0	Di-n-Octyl phthalate	97	< 97 U
205-99-2	Benzo(b)fluoranthene	97	840
207-08-9	Benzo(k)fluoranthene	97	740
50-32-8	Benzo(a)pyrene	97	490
193-39-5	Indeno(1,2,3-cd)pyrene	97	200
53-70-3	Dibenz(a,h)anthracene	97	95 J
191-24-2	Benzo(g,h,i)perylene	97	170
62-53-3	Aniline	97	< 97 U
62-75-9	N-Nitrosodimethylamine	480	< 480 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.4%	2-Fluorobiphenyl	80.6%
d14-p-Terphenyl	89.0%	d4-1,2-Dichlorobenzene	67.4%
d5-Phenol	81.6%	2-Fluorophenol	75.6%
2,4,6-Tribromophenol	83.2%	d4-2-Chlorophenol	77.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS83-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ48P

QC Report No: HQ48-Windward Environmental, LLC

LIMS ID: 05-1657

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/24/05

Reported: 02/04/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Sample Amount: 7.65 g-dry-wt

Date Analyzed: 02/03/05 20:13

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 49.1 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.5	63
205-99-2	Benzo(b)fluoranthene	6.5	86
50-32-8	Benzo(a)pyrene	6.5	47
193-39-5	Indeno(1,2,3-cd)pyrene	6.5	28
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	7.2
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U


Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	63.6%	d5-Phenol	66.9%
2-Fluorophenol	59.5%	d4-2-Chlorophenol	62.9%
d4-1,2-Dichlorobenzene	53.2%	d5-Nitrobenzene	58.4%
2,4,6-Tribromophenol	77.1%	d14-p-Terphenyl	74.4%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS84-010
SAMPLE

Lab Sample ID: HQ17L
LIMS ID: 05-1416
Matrix: Sediment
Data Release Authorized: 
Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 02/08/05 15:41
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 8.64 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 42.7%
pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	290	< 290 U
111-44-4	Bis-(2-Chloroethyl) Ether	290	< 290 U
95-57-8	2-Chlorophenol	290	< 290 U
541-73-1	1,3-Dichlorobenzene	290	< 290 U
106-46-7	1,4-Dichlorobenzene	290	< 290 U
100-51-6	Benzyl Alcohol	290	< 290 U
95-50-1	1,2-Dichlorobenzene	290	< 290 U
95-48-7	2-Methylphenol	290	< 290 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	290	< 290 U
106-44-5	4-Methylphenol	290	< 290 U
621-64-7	N-Nitroso-Di-N-Propylamine	1,400	< 1,400 U
67-72-1	Hexachloroethane	290	< 290 U
98-95-3	Nitrobenzene	290	< 290 U
78-59-1	Isophorone	290	< 290 U
88-75-5	2-Nitrophenol	1,400	< 1,400 U
105-67-9	2,4-Dimethylphenol	290	< 290 U
65-85-0	Benzoic Acid	2,900	< 2,900 U
111-91-1	bis(2-Chloroethoxy) Methane	290	< 290 U
120-83-2	2,4-Dichlorophenol	1,400	< 1,400 U
120-82-1	1,2,4-Trichlorobenzene	290	< 290 U
91-20-3	Naphthalene	290	< 290 U
106-47-8	4-Chloroaniline	1,400	< 1,400 U
87-68-3	Hexachlorobutadiene	290	< 290 U
59-50-7	4-Chloro-3-methylphenol	1,400	< 1,400 U
91-57-6	2-Methylnaphthalene	290	< 290 U
77-47-4	Hexachlorocyclopentadiene	1,400	< 1,400 U
88-06-2	2,4,6-Trichlorophenol	1,400	< 1,400 U
95-95-4	2,4,5-Trichlorophenol	1,400	< 1,400 U
91-58-7	2-Chloronaphthalene	290	< 290 U
88-74-4	2-Nitroaniline	1,400	< 1,400 U
131-11-3	Dimethylphthalate	290	< 290 U
208-96-8	Acenaphthylene	290	< 290 U
99-09-2	3-Nitroaniline	1,400	< 1,400 U
83-32-9	Acenaphthene	290	< 290 U
51-28-5	2,4-Dinitrophenol	2,900	< 2,900 U
100-02-7	4-Nitrophenol	1,400	< 1,400 U
132-64-9	Dibenzofuran	290	< 290 U
606-20-2	2,6-Dinitrotoluene	1,400	< 1,400 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS84-010

SAMPLE

Lab Sample ID: HQ17L

LIMS ID: 05-1416

Matrix: Sediment

Date Analyzed: 02/08/05 15:41

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	1,400	< 1,400 U
84-66-2	Diethylphthalate	290	< 290 U
7005-72-3	4-Chlorophenyl-phenylether	290	< 290 U
86-73-7	Fluorene	290	< 290 U
100-01-6	4-Nitroaniline	1,400	< 1,400 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,900	< 2,900 U
86-30-6	N-Nitrosodiphenylamine	290	< 290 U
101-55-3	4-Bromophenyl-phenylether	290	< 290 U
118-74-1	Hexachlorobenzene	290	< 290 U
87-86-5	Pentachlorophenol	1,400	< 1,400 U
85-01-8	Phenanthrene	290	330
86-74-8	Carbazole	290	< 290 U
120-12-7	Anthracene	290	< 290 U
84-74-2	Di-n-Butylphthalate	290	380
206-44-0	Fluoranthene	290	1,100
129-00-0	Pyrene	290	980
85-68-7	Butylbenzylphthalate	290	< 290 U
91-94-1	3,3'-Dichlorobenzidine	1,400	< 1,400 U
56-55-3	Benzo (a) anthracene	290	400
117-81-7	bis (2-Ethylhexyl) phthalate	290	4,200
218-01-9	Chrysene	290	700
117-84-0	Di-n-Octyl phthalate	290	< 290 U
205-99-2	Benzo (b) fluoranthene	290	690
207-08-9	Benzo (k) fluoranthene	290	440
50-32-8	Benzo (a) pyrene	290	510
193-39-5	Indeno (1,2,3-cd) pyrene	290	220 J
53-70-3	Dibenz (a, h) anthracene	290	< 290 U
191-24-2	Benzo (g, h, i) perylene	290	230 J
62-53-3	Aniline	290	< 290 U
62-75-9	N-Nitrosodimethylamine	1,400	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.8%	2-Fluorobiphenyl	70.6%
d14-p-Terphenyl	72.2%	d4-1,2-Dichlorobenzene	65.0%
d5-Phenol	56.9%	2-Fluorophenol	58.3%
2,4,6-Tribromophenol	76.0%	d4-2-Chlorophenol	69.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS87-010

SAMPLE

Lab Sample ID: HQ27C

LIMS ID: 05-1481

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 02/10/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 01/31/05

Date Analyzed: 02/06/05 19:14

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: 54.0%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	97	< 97 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	97	< 97 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS87-010
SAMPLE

Lab Sample ID: HQ27C
LIMS ID: 05-1481
Matrix: Sediment
Date Analyzed: 02/06/05 19:14

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	97	< 97 U
85-01-8	Phenanthrene	20	98
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	27
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	180
129-00-0	Pyrene	20	160
85-68-7	Butylbenzylphthalate	20	46
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	20	78
117-81-7	bis (2-Ethylhexyl) phthalate	20	97
218-01-9	Chrysene	20	120
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	81
207-08-9	Benzo (k) fluoranthene	20	88
50-32-8	Benzo (a) pyrene	20	58
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	< 20 U
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	97	< 97 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	65.6%
d14-p-Terphenyl	60.8%	d4-1,2-Dichlorobenzene	56.4%
d5-Phenol	56.5%	2-Fluorophenol	53.9%
2,4,6-Tribromophenol	54.1%	d4-2-Chlorophenol	59.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS87-010
SAMPLE

Lab Sample ID: HU13J

LIMS ID: 05-3953

Matrix: Sediment

Data Release Authorized:

Reported: 03/07/05

QC Report No: HU13-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Date Analyzed: 03/04/05 18:03

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.60 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 54.0 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	8.6
205-99-2	Benzo (b) fluoranthene	6.6	9.2
50-32-8	Benzo (a) pyrene	6.6	6.6
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	< 6.6 U
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	9.2 B
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	50.8%	d5-Phenol	43.2%
2-Fluorophenol	47.7%	d4-2-Chlorophenol	46.7%
d4-1,2-Dichlorobenzene	44.0%	d5-Nitrobenzene	42.0%
2,4,6-Tribromophenol	54.4%	d14-p-Terphenyl	61.2%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 1 of 2

Sample ID: LDW-SS88-010
 SAMPLE

Lab Sample ID: HQ56I
 LIMS ID: 05-1735
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/11/05

QC Report No: HQ56-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/25/05
 Date Received: 01/26/05

Date Extracted: 02/04/05
 Date Analyzed: 02/08/05 21:35
 Instrument/Analyst: NT6/LJR
 GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 36.8%
 pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	26
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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS88-010
SAMPLE

Lab Sample ID: HQ56I
LIMS ID: 05-1735
Matrix: Sediment
Date Analyzed: 02/08/05 21:35

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	21
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	24
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	200
86-74-8	Carbazole	20	27
120-12-7	Anthracene	20	47
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	780
129-00-0	Pyrene	20	520
85-68-7	Butylbenzylphthalate	20	< 20 U
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	27
218-01-9	Chrysene	20	250
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	160
207-08-9	Benzo (k) fluoranthene	20	100
50-32-8	Benzo (a) pyrene	20	120
193-39-5	Indeno (1,2,3-cd) pyrene	20	35
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	38
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	NV

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.4%	2-Fluorobiphenyl	89.6%
d14-p-Terphenyl	83.6%	d4-1,2-Dichlorobenzene	78.0%
d5-Phenol	69.1%	2-Fluorophenol	74.1%
2,4,6-Tribromophenol	90.4%	d4-2-Chlorophenol	81.3%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS88-010
DILUTION

Lab Sample ID: HQ56I
LIMS ID: 05-1735
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/11/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Date Extracted: 02/04/05
Date Analyzed: 02/09/05 17:23
Instrument/Analyst: NP6/LJR
GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 36.8%
pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS88-010
DILUTION

Lab Sample ID: HQ56I
LIMS ID: 05-1735
Matrix: Sediment
Date Analyzed: 02/09/05 17:23

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	200
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	< 98 U
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	780
129-00-0	Pyrene	98	570
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	140
117-81-7	bis (2-Ethylhexyl) phthalate	98	< 98 U
218-01-9	Chrysene	98	270
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	140
207-08-9	Benzo (k) fluoranthene	98	84 J
50-32-8	Benzo (a) pyrene	98	130
193-39-5	Indeno (1,2,3-cd) pyrene	98	77 J
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	88 J
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	NV

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.2%	2-Fluorobiphenyl	86.6%
d14-p-Terphenyl	98.6%	d4-1,2-Dichlorobenzene	82.4%
d5-Phenol	72.0%	2-Fluorophenol	74.0%
2,4,6-Tribromophenol	96.5%	d4-2-Chlorophenol	84.8%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS88-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ56I


QC Report No: HQ56-Windward Environmental, LLC

LIMS ID: 05-1735

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: 

Date Sampled: 01/25/05

Reported: 02/04/05

Date Received: 01/26/05

Date Extracted: 02/01/05

Sample Amount: 7.60 g-dry-wt

Date Analyzed: 02/04/05 15:41

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 36.8 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.6	45
205-99-2	Benzo(b)fluoranthene	6.6	61
50-32-8	Benzo(a)pyrene	6.6	36
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	21
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	67.2%	d5-Phenol	69.6%
2-Fluorophenol	61.9%	d4-2-Chlorophenol	61.9%
d4-1,2-Dichlorobenzene	62.8%	d5-Nitrobenzene	62.0%
2,4,6-Tribromophenol	82.7%	d14-p-Terphenyl	77.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS-89-010

SAMPLE

Lab Sample ID: HP90H

LIMS ID: 05-1226

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/09/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Date Extracted: 01/27/05

Date Analyzed: 02/03/05 21:03

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.9 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 25.0%

pH: 7.2

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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
621-64-7	N-Nitroso-Di-N-Propylamine	97	< 97 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
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	97	< 97 U
87-68-3	Hexachlorobutadiene	19	< 19 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 2 of 2

Sample ID: LDW-SS-89-010
 SAMPLE

Lab Sample ID: HP90H
 LIMS ID: 05-1226
 Matrix: Sediment
 Date Analyzed: 02/03/05 21:03

QC Report No: HP90-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	97	< 97 U
85-01-8	Phenanthrene	19	32
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	< 19 U
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	90
129-00-0	Pyrene	19	100
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	42
117-81-7	bis (2-Ethylhexyl)phthalate	19	25
218-01-9	Chrysene	19	78
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	62
207-08-9	Benzo (k) fluoranthene	19	38
50-32-8	Benzo (a) pyrene	19	47
193-39-5	Indeno (1,2,3-cd)pyrene	19	20
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
62-75-9	N-Nitrosodimethylamine	97	< 97 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.8%	2-Fluorobiphenyl	82.0%
d14-p-Terphenyl	70.0%	d4-1,2-Dichlorobenzene	70.8%
d5-Phenol	76.5%	2-Fluorophenol	50.7%
2,4,6-Tribromophenol	88.8%	d4-2-Chlorophenol	77.9%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS-89-010

Page 1 of 1

SAMPLE

Lab Sample ID: HP90H

QC Report No: HP90-Windward Environmental, LLC

LIMS ID: 05-1226

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/19/05

Reported: 02/03/05

Date Received: 01/19/05

Date Extracted: 01/28/05

Sample Amount: 7.52 g-dry-wt

Date Analyzed: 02/01/05 00:06

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 25.0 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	48
205-99-2	Benzo (b) fluoranthene	6.6	38
50-32-8	Benzo (a) pyrene	6.6	31
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	11
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	57.6%	d5-Phenol	54.4%
2-Fluorophenol	47.2%	d4-2-Chlorophenol	53.3%
d4-1,2-Dichlorobenzene	49.2%	d5-Nitrobenzene	52.4%
2,4,6-Tribromophenol	60.0%	d14-p-Terphenyl	65.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2


Sample ID: LDW-SS-201-010

SAMPLE

Lab Sample ID: HP90I

LIMS ID: 05-1227

Matrix: Sediment

Data Release Authorized: 

Reported: 02/09/05

QC Report No: HP90-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Date Extracted: 01/27/05

Date Analyzed: 02/03/05 21:35

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 23.8%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS-201-010
SAMPLE

Lab Sample ID: HP90I
LIMS ID: 05-1227
Matrix: Sediment
Date Analyzed: 02/03/05 21:35

QC Report No: HP90-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	42
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	170
129-00-0	Pyrene	20	160
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	59
117-81-7	bis (2-Ethylhexyl) phthalate	20	36
218-01-9	Chrysene	20	120
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	49
50-32-8	Benzo (a) pyrene	20	54
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 U
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	84.0%
d14-p-Terphenyl	68.8%	d4-1,2-Dichlorobenzene	68.4%
d5-Phenol	73.6%	2-Fluorophenol	58.9%
2,4,6-Tribromophenol	89.9%	d4-2-Chlorophenol	76.0%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS-201-010
SAMPLE

Lab Sample ID: HP90I
LIMS ID: 05-1227
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/03/05

QC Report No: HP90-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Date Extracted: 01/28/05
Date Analyzed: 02/01/05 00:38
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.63 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 23.8 %
pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	20
205-99-2	Benzo (b) fluoranthene	6.6	24
50-32-8	Benzo (a) pyrene	6.6	20
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	11
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	48.8%	d5-Phenol	46.9%
2-Fluorophenol	45.3%	d4-2-Chlorophenol	48.0%
d4-1,2-Dichlorobenzene	44.0%	d5-Nitrobenzene	46.8%
2,4,6-Tribromophenol	49.6%	d14-p-Terphenyl	56.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS92-010
SAMPLE

Lab Sample ID: HQ56C
LIMS ID: 05-1729
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/11/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Date Extracted: 02/04/05
Date Analyzed: 02/08/05 17:17
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 3.00
Percent Moisture: 29.3%
pH: 6.9

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
106-46-7	1,4-Dichlorobenzene	58	< 58 U
100-51-6	Benzyl Alcohol	58	< 58 U
95-50-1	1,2-Dichlorobenzene	58	< 58 U
95-48-7	2-Methylphenol	58	< 58 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	58	< 58 U
106-44-5	4-Methylphenol	58	< 58 U
621-64-7	N-Nitroso-Di-N-Propylamine	290	< 290 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
105-67-9	2,4-Dimethylphenol	58	< 58 U
65-85-0	Benzoic Acid	580	< 580 U
111-91-1	bis(2-Chloroethoxy) Methane	58	< 58 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	58	< 58 U
91-20-3	Naphthalene	58	< 58 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	58	< 58 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS92-010
SAMPLE

Lab Sample ID: HQ56C
LIMS ID: 05-1729
Matrix: Sediment
Date Analyzed: 02/08/05 17:17

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	58	< 58 U
101-55-3	4-Bromophenyl-phenylether	58	< 58 U
118-74-1	Hexachlorobenzene	58	< 58 U
87-86-5	Pentachlorophenol	290	< 290 U
85-01-8	Phenanthrene	58	140
86-74-8	Carbazole	58	< 58 U
120-12-7	Anthracene	58	55 J
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	770
129-00-0	Pyrene	58	630
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	58	360
117-81-7	bis (2-Ethylhexyl)phthalate	58	63
218-01-9	Chrysene	58	540
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	330
207-08-9	Benzo (k) fluoranthene	58	280
50-32-8	Benzo (a) pyrene	58	320
193-39-5	Indeno (1,2,3-cd) pyrene	58	90
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
62-75-9	N-Nitrosodimethylamine	290	NV

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	73.3%	2-Fluorobiphenyl	84.7%
d14-p-Terphenyl	83.5%	d4-1,2-Dichlorobenzene	74.6%
d5-Phenol	67.0%	2-Fluorophenol	69.5%
2,4,6-Tribromophenol	98.4%	d4-2-Chlorophenol	82.4%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS92-010
SAMPLE

Lab Sample ID: HQ56C
LIMS ID: 05-1729
Matrix: Sediment
Data Release Authorized:
Reported: 02/04/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Date Extracted: 02/01/05
Date Analyzed: 02/03/05 21:50
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.80 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 29.3 %
pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	69
205-99-2	Benzo (b) fluoranthene	6.4	69
50-32-8	Benzo (a) pyrene	6.4	58
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	31
106-46-7	1,4-Dichlorobenzene	6.4	< 6.4 U
120-82-1	1,2,4-Trichlorobenzene	6.4	< 6.4 U
118-74-1	Hexachlorobenzene	6.4	< 6.4 U
87-68-3	Hexachlorobutadiene	6.4	< 6.4 U
65-85-0	Benzoic Acid	64	< 64 U
131-11-3	Dimethylphthalate	6.4	< 6.4 U
84-66-2	Diethylphthalate	6.4	< 6.4 U
85-68-7	Butylbenzylphthalate	6.4	< 6.4 U
95-48-7	2-Methylphenol	6.4	< 6.4 U
105-67-9	2,4-Dimethylphenol	6.4	< 6.4 U
86-30-6	N-Nitrosodiphenylamine	6.4	< 6.4 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.4	< 6.4 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	63.2%	d5-Phenol	62.4%
2-Fluorophenol	66.9%	d4-2-Chlorophenol	60.5%
d4-1,2-Dichlorobenzene	58.4%	d5-Nitrobenzene	60.0%
2,4,6-Tribromophenol	67.7%	d14-p-Terphenyl	71.6%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS94-010
SAMPLE

Lab Sample ID: HQ27D
LIMS ID: 05-1482
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/10/05

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Date Extracted: 01/31/05
Date Analyzed: 02/06/05 19:47
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: 39.7%
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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
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Sample ID: LDW-SS94-010
 SAMPLE

Lab Sample ID: HQ27D
 LIMS ID: 05-1482
 Matrix: Sediment
 Date Analyzed: 02/06/05 19:47

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	79
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	26
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	200
129-00-0	Pyrene	20	190
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	95
117-81-7	bis(2-Ethylhexyl)phthalate	20	46
218-01-9	Chrysene	20	120
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	82
207-08-9	Benzo(k)fluoranthene	20	84
50-32-8	Benzo(a)pyrene	20	69
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	< 20 U
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	65.6%	2-Fluorobiphenyl	68.0%
d14-p-Terphenyl	64.4%	d4-1,2-Dichlorobenzene	60.0%
d5-Phenol	61.6%	2-Fluorophenol	61.9%
2,4,6-Tribromophenol	55.5%	d4-2-Chlorophenol	64.0%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS94-010

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SAMPLE

Lab Sample ID: HU13K

QC Report No: HU13-Windward Environmental

LIMS ID: 05-3954

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/21/05

Reported: 03/07/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Sample Amount: 7.55 g-dry-wt

Date Analyzed: 03/04/05 18:36

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 39.7 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.6	11
205-99-2	Benzo(b)fluoranthene	6.6	20
50-32-8	Benzo(a)pyrene	6.6	17
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	9.9
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	14 B
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	69.6%	d5-Phenol	56.0%
2-Fluorophenol	59.7%	d4-2-Chlorophenol	63.7%
d4-1,2-Dichlorobenzene	62.8%	d5-Nitrobenzene	61.2%
2,4,6-Tribromophenol	76.3%	d14-p-Terphenyl	81.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS96-010

SAMPLE

Lab Sample ID: HQ27E

LIMS ID: 05-1483

Matrix: Sediment

Data Release Authorized:

Reported: 02/10/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 01/31/05

Date Analyzed: 02/06/05 20:21

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: 55.6%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	24
621-64-7	N-Nitroso-Di-N-Propylamine	97	< 97 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	97	< 97 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	97	< 97 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
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Sample ID: LDW-SS96-010
SAMPLE

Lab Sample ID: HQ27E
 LIMS ID: 05-1483
 Matrix: Sediment
 Date Analyzed: 02/06/05 20:21

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	97	< 97 U
85-01-8	Phenanthrene	20	31
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	83
129-00-0	Pyrene	20	75
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	20	38
117-81-7	bis (2-Ethylhexyl)phthalate	20	70
218-01-9	Chrysene	20	61
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	51
207-08-9	Benzo (k) fluoranthene	20	56
50-32-8	Benzo (a) pyrene	20	42
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
62-75-9	N-Nitrosodimethylamine	97	< 97 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	67.2%	2-Fluorobiphenyl	70.4%
d14-p-Terphenyl	64.8%	d4-1,2-Dichlorobenzene	61.6%
d5-Phenol	63.2%	2-Fluorophenol	61.6%
2,4,6-Tribromophenol	59.5%	d4-2-Chlorophenol	66.1%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS96-010

Page 1 of 1

SAMPLE

Lab Sample ID: HU13L

QC Report No: HU13-Windward Environmental

LIMS ID: 05-3955

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 01/21/05

Reported: 03/07/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Sample Amount: 7.55 g-dry-wt

Date Analyzed: 03/04/05 19:09

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 55.6 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	26
205-99-2	Benzo (b) fluoranthene	6.6	29
50-32-8	Benzo (a) pyrene	6.6	20
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	13
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	12 B
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	64.0%	d5-Phenol	53.6%
2-Fluorophenol	54.7%	d4-2-Chlorophenol	56.8%
d4-1,2-Dichlorobenzene	55.2%	d5-Nitrobenzene	53.2%
2,4,6-Tribromophenol	72.3%	d14-p-Terphenyl	78.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
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Sample ID: LDW-SS97-010
SAMPLE

Lab Sample ID: HQ27F
LIMS ID: 05-1484
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/10/05

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Date Extracted: 01/31/05
Date Analyzed: 02/06/05 20:54
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: 33.9%
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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 2 of 2

Sample ID: LDW-SS97-010
SAMPLE

Lab Sample ID: HQ27F
 LIMS ID: 05-1484
 Matrix: Sediment
 Date Analyzed: 02/06/05 20:54

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	42
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	92
129-00-0	Pyrene	20	73
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	40
117-81-7	bis(2-Ethylhexyl)phthalate	20	57
218-01-9	Chrysene	20	64
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	59
50-32-8	Benzo(a)pyrene	20	44
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
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	64.4%	2-Fluorobiphenyl	69.2%
d14-p-Terphenyl	64.8%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	61.3%	2-Fluorophenol	58.9%
2,4,6-Tribromophenol	66.7%	d4-2-Chlorophenol	65.1%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS97-010
SAMPLE

Lab Sample ID: HQ27F
LIMS ID: 05-1484
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 05/09/05

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 02/01/05 21:48
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.61 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 33.9 %
pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	22
205-99-2	Benzo (b) fluoranthene	6.6	27
50-32-8	Benzo (a) pyrene	6.6	16
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	10
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	3.3	< 3.3 UJ
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	12
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	59.6%	d5-Phenol	61.1%
2-Fluorophenol	49.1%	d4-2-Chlorophenol	59.5%
d4-1,2-Dichlorobenzene	52.0%	d5-Nitrobenzene	58.4%
2,4,6-Tribromophenol	59.7%	d14-p-Terphenyl	69.2%

ORGANICS ANALYSIS DATA SHEET
 PSDDA Semivolatiles by SW8270C GC/MS
 Page 1 of 2

Sample ID: LDW-SS-99-010
 SAMPLE

Lab Sample ID: HP90F
 LIMS ID: 05-1224
 Matrix: Sediment
 Data Release Authorized: *MS*
 Reported: 02/09/05

QC Report No: HP90-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/19/05
 Date Received: 01/19/05

Date Extracted: 01/27/05
 Date Analyzed: 02/02/05 22:07
 Instrument/Analyst: NT6/LJR
 GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 5.00
 Percent Moisture: 38.3%
 pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS-99-010
SAMPLE

Lab Sample ID: HP90F
LIMS ID: 05-1224
Matrix: Sediment
Date Analyzed: 02/02/05 22:07

QC Report No: HP90-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	140
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	< 98 U
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	280
129-00-0	Pyrene	98	200
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	< 98 U
117-81-7	bis (2-Ethylhexyl) phthalate	98	< 98 U
218-01-9	Chrysene	98	160
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	100
207-08-9	Benzo (k) fluoranthene	98	< 98 U
50-32-8	Benzo (a) pyrene	98	< 98 U
193-39-5	Indeno (1,2,3-cd) pyrene	98	< 98 U
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	< 98 U
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	64.6%	2-Fluorobiphenyl	71.2%
d14-p-Terphenyl	70.8%	d4-1,2-Dichlorobenzene	66.6%
d5-Phenol	66.0%	2-Fluorophenol	58.3%
2,4,6-Tribromophenol	41.3%	d4-2-Chlorophenol	69.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS-99-010

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SAMPLE

Lab Sample ID: HP90F

QC Report No: HP90-Windward Environmental, LLC

LIMS ID: 05-1224

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *AS*

Date Sampled: 01/19/05

Reported: 02/03/05

Date Received: 01/19/05

Date Extracted: 01/28/05

Sample Amount: 7.71 g-dry-wt

Date Analyzed: 01/31/05 23:33

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 38.3 %

pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	10
205-99-2	Benzo (b) fluoranthene	6.5	12
50-32-8	Benzo (a) pyrene	6.5	9.1
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	6.5
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	44.0%	d5-Phenol	39.5%
2-Fluorophenol	35.7%	d4-2-Chlorophenol	39.2%
d4-1,2-Dichlorobenzene	32.4%	d5-Nitrobenzene	36.8%
2,4,6-Tribromophenol	46.1%	d14-p-Terphenyl	55.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS101-010

SAMPLE

Lab Sample ID: HQ28A

LIMS ID: 05-1491

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/11/05

QC Report No: HQ28-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/24/05

Date Extracted: 01/28/05

Date Analyzed: 02/08/05 16:13

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.1 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 24.1%

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
106-46-7	1,4-Dichlorobenzene	60	< 60 U
100-51-6	Benzyl Alcohol	60	< 60 U
95-50-1	1,2-Dichlorobenzene	60	< 60 U
95-48-7	2-Methylphenol	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
621-64-7	N-Nitroso-Di-N-Propylamine	300	< 300 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
105-67-9	2,4-Dimethylphenol	60	< 60 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
120-82-1	1,2,4-Trichlorobenzene	60	< 60 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	60	< 60 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
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Sample ID: LDW-SS101-010
SAMPLE

Lab Sample ID: HQ28A
LIMS ID: 05-1491
Matrix: Sediment
Date Analyzed: 02/08/05 16:13

QC Report No: HQ28-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	60	< 60 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
118-74-1	Hexachlorobenzene	60	< 60 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	Phenanthrene	60	41 J
86-74-8	Carbazole	60	< 60 U
120-12-7	Anthracene	60	< 60 U
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	99
129-00-0	Pyrene	60	65
85-68-7	Butylbenzylphthalate	60	< 60 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	30 J
117-81-7	bis (2-Ethylhexyl)phthalate	60	52 J
218-01-9	Chrysene	60	56 J
117-84-0	Di-n-Octyl phthalate	60	36 J
205-99-2	Benzo (b) fluoranthene	60	39 J
207-08-9	Benzo (k) fluoranthene	60	31 J
50-32-8	Benzo (a) pyrene	60	33 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
62-75-9	N-Nitrosodimethylamine	300	NV

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.2%	2-Fluorobiphenyl	78.6%
d14-p-Terphenyl	72.7%	d4-1,2-Dichlorobenzene	71.6%
d5-Phenol	62.0%	2-Fluorophenol	65.4%
2,4,6-Tribromophenol	91.2%	d4-2-Chlorophenol	74.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS101-010
SAMPLE

Lab Sample ID: HT37B

LIMS ID: 05-3538

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 05/09/05

QC Report No: HT37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/20/05

Date Extracted: 02/21/05

Date Analyzed: 02/24/05 14:06

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.59 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 51.1 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	12
205-99-2	Benzo (b) fluoranthene	6.6	18
50-32-8	Benzo (a) pyrene	6.6	12
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	12
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	3.3	< 3.3 UJ
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	110
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	6.6
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	63.2%	d5-Phenol	61.9%
2-Fluorophenol	60.3%	d4-2-Chlorophenol	60.8%
d4-1,2-Dichlorobenzene	50.4%	d5-Nitrobenzene	54.4%
2,4,6-Tribromophenol	77.3%	d14-p-Terphenyl	76.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2


Sample ID: LDW-SS102-010

SAMPLE

Lab Sample ID: HQ48I

LIMS ID: 05-1650

Matrix: Sediment

Data Release Authorized: 

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/08/05 20:51

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 31.9%

pH: 7.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS102-010

SAMPLE

Lab Sample ID: HQ48I

LIMS ID: 05-1650

Matrix: Sediment

Date Analyzed: 02/08/05 20:51

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	64 J
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	< 98 U
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	190
129-00-0	Pyrene	98	180
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	79 J
117-81-7	bis (2-Ethylhexyl) phthalate	98	130
218-01-9	Chrysene	98	120
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	130
207-08-9	Benzo (k) fluoranthene	98	140
50-32-8	Benzo (a) pyrene	98	78 J
193-39-5	Indeno (1,2,3-cd) pyrene	98	< 98 U
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	< 98 U
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	93.4%	2-Fluorobiphenyl	97.8%
d14-p-Terphenyl	111%	d4-1,2-Dichlorobenzene	84.0%
d5-Phenol	96.5%	2-Fluorophenol	88.5%
2,4,6-Tribromophenol	96.0%	d4-2-Chlorophenol	93.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS102-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ48I

QC Report No: HQ48-Windward Environmental, LLC

LIMS ID: 05-1650

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/24/05

Reported: 05/09/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Sample Amount: 7.85 g-dry-wt

Date Analyzed: 02/03/05 15:52

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 31.9 %

pH: 7.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	8.9
205-99-2	Benzo (b) fluoranthene	6.4	12
50-32-8	Benzo (a) pyrene	6.4	11
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	8.3
106-46-7	1,4-Dichlorobenzene	6.4	< 6.4 U
120-82-1	1,2,4-Trichlorobenzene	6.4	< 6.4 U
118-74-1	Hexachlorobenzene	3.2	< 3.2 UJ
87-68-3	Hexachlorobutadiene	6.4	< 6.4 U
65-85-0	Benzoic Acid	64	< 64 U
131-11-3	Dimethylphthalate	6.4	< 6.4 U
84-66-2	Diethylphthalate	6.4	< 6.4 U
85-68-7	Butylbenzylphthalate	6.4	< 6.4 U
95-48-7	2-Methylphenol	6.4	< 6.4 U
105-67-9	2,4-Dimethylphenol	6.4	< 6.4 U
86-30-6	N-Nitrosodiphenylamine	6.4	< 6.4 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.4	< 6.4 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	69.6%	d5-Phenol	67.7%
2-Fluorophenol	69.3%	d4-2-Chlorophenol	67.2%
d4-1,2-Dichlorobenzene	63.6%	d5-Nitrobenzene	70.0%
2,4,6-Tribromophenol	78.9%	d14-p-Terphenyl	80.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2


Sample ID: LDW-SS104-010

SAMPLE

Lab Sample ID: HQ56D

LIMS ID: 05-1730

Matrix: Sediment

Data Release Authorized: 

Reported: 02/11/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/04/05

Date Analyzed: 02/08/05 18:54

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 39.3%

pH: 6.8

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
106-46-7	1,4-Dichlorobenzene	58	< 58 U
100-51-6	Benzyl Alcohol	58	< 58 U
95-50-1	1,2-Dichlorobenzene	58	< 58 U
95-48-7	2-Methylphenol	58	< 58 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	58	< 58 U
106-44-5	4-Methylphenol	58	< 58 U
621-64-7	N-Nitroso-Di-N-Propylamine	290	< 290 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
105-67-9	2,4-Dimethylphenol	58	< 58 U
65-85-0	Benzoic Acid	580	< 580 U
111-91-1	bis(2-Chloroethoxy) Methane	58	< 58 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	58	< 58 U
91-20-3	Naphthalene	58	< 58 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	58	< 58 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS104-010
SAMPLE

Lab Sample ID: HQ56D
LIMS ID: 05-1730
Matrix: Sediment
Date Analyzed: 02/08/05 18:54

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	58	< 58 U
101-55-3	4-Bromophenyl-phenylether	58	< 58 U
118-74-1	Hexachlorobenzene	58	< 58 U
87-86-5	Pentachlorophenol	290	< 290 U
85-01-8	Phenanthrene	58	44 J
86-74-8	Carbazole	58	< 58 U
120-12-7	Anthracene	58	< 58 U
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	110
129-00-0	Pyrene	58	69
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	58	30 J
117-81-7	bis (2-Ethylhexyl) phthalate	58	36 J
218-01-9	Chrysene	58	59
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	43 J
207-08-9	Benzo (k) fluoranthene	58	23 J
50-32-8	Benzo (a) pyrene	58	30 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
62-75-9	N-Nitrosodimethylamine	290	NV

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.6%	2-Fluorobiphenyl	88.9%
d14-p-Terphenyl	81.5%	d4-1,2-Dichlorobenzene	79.8%
d5-Phenol	72.3%	2-Fluorophenol	77.6%
2,4,6-Tribromophenol	92.0%	d4-2-Chlorophenol	88.8%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS104-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ56D

QC Report No: HQ56-Windward Environmental, LLC

LIMS ID: 05-1730

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 01/25/05

Reported: 02/04/05

Date Received: 01/26/05

Date Extracted: 02/01/05

Sample Amount: 7.61 g-dry-wt

Date Analyzed: 02/03/05 22:23

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 39.3 %

pH: 6.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.6	< 6.6 U
205-99-2	Benzo(b)fluoranthene	6.6	< 6.6 U
50-32-8	Benzo(a)pyrene	6.6	< 6.6 U
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	< 6.6 U
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	73.6%	d5-Phenol	74.4%
2-Fluorophenol	78.7%	d4-2-Chlorophenol	73.1%
d4-1,2-Dichlorobenzene	67.6%	d5-Nitrobenzene	46.4%
2,4,6-Tribromophenol	76.3%	d14-p-Terphenyl	84.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS109-010

SAMPLE

Lab Sample ID: HQ56F

LIMS ID: 05-1732

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/11/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/04/05

Date Analyzed: 02/08/05 19:58

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 5.00

Percent Moisture: 50.8%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	200	< 200 U
111-44-4	Bis-(2-Chloroethyl) Ether	200	< 200 U
95-57-8	2-Chlorophenol	200	< 200 U
541-73-1	1,3-Dichlorobenzene	200	< 200 U
106-46-7	1,4-Dichlorobenzene	200	< 200 U
100-51-6	Benzyl Alcohol	200	< 200 U
95-50-1	1,2-Dichlorobenzene	200	< 200 U
95-48-7	2-Methylphenol	200	< 200 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	200	< 200 U
106-44-5	4-Methylphenol	200	< 200 U
621-64-7	N-Nitroso-Di-N-Propylamine	990	< 990 U
67-72-1	Hexachloroethane	200	< 200 U
98-95-3	Nitrobenzene	200	< 200 U
78-59-1	Isophorone	200	< 200 U
88-75-5	2-Nitrophenol	990	< 990 U
105-67-9	2,4-Dimethylphenol	200	< 200 U
65-85-0	Benzoic Acid	2,000	< 2,000 U
111-91-1	bis(2-Chloroethoxy) Methane	200	< 200 U
120-83-2	2,4-Dichlorophenol	990	< 990 U
120-82-1	1,2,4-Trichlorobenzene	200	< 200 U
91-20-3	Naphthalene	200	< 200 U
106-47-8	4-Chloroaniline	990	< 990 U
87-68-3	Hexachlorobutadiene	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	990	< 990 U
91-57-6	2-Methylnaphthalene	200	< 200 U
77-47-4	Hexachlorocyclopentadiene	990	< 990 U
88-06-2	2,4,6-Trichlorophenol	990	< 990 U
95-95-4	2,4,5-Trichlorophenol	990	< 990 U
91-58-7	2-Chloronaphthalene	200	< 200 U
88-74-4	2-Nitroaniline	990	< 990 U
131-11-3	Dimethylphthalate	200	< 200 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS109-010

SAMPLE

Lab Sample ID: HQ56F

LIMS ID: 05-1732

Matrix: Sediment

Date Analyzed: 02/08/05 19:58

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	200	< 200 U
99-09-2	3-Nitroaniline	990	< 990 U
83-32-9	Acenaphthene	200	< 200 U
51-28-5	2,4-Dinitrophenol	2,000	< 2,000 U
100-02-7	4-Nitrophenol	990	< 990 U
132-64-9	Dibenzofuran	200	< 200 U
606-20-2	2,6-Dinitrotoluene	990	< 990 U
121-14-2	2,4-Dinitrotoluene	990	< 990 U
84-66-2	Diethylphthalate	200	< 200 U
7005-72-3	4-Chlorophenyl-phenylether	200	< 200 U
86-73-7	Fluorene	200	< 200 U
100-01-6	4-Nitroaniline	990	< 990 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,000	< 2,000 U
86-30-6	N-Nitrosodiphenylamine	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	200	< 200 U
118-74-1	Hexachlorobenzene	200	< 200 U
87-86-5	Pentachlorophenol	990	< 990 U
85-01-8	Phenanthrene	200	510
86-74-8	Carbazole	200	< 200 U
120-12-7	Anthracene	200	< 200 U
84-74-2	Di-n-Butylphthalate	200	340
206-44-0	Fluoranthene	200	1,300
129-00-0	Pyrene	200	700
85-68-7	Butylbenzylphthalate	200	< 200 U
91-94-1	3,3'-Dichlorobenzidine	990	< 990 U
56-55-3	Benzo(a)anthracene	200	360
117-81-7	bis(2-Ethylhexyl)phthalate	200	250
218-01-9	Chrysene	200	620
117-84-0	Di-n-Octyl phthalate	200	< 200 U
205-99-2	Benzo(b)fluoranthene	200	420
207-08-9	Benzo(k)fluoranthene	200	340
50-32-8	Benzo(a)pyrene	200	360
193-39-5	Indeno(1,2,3-cd)pyrene	200	140 J
53-70-3	Dibenz(a,h)anthracene	200	< 200 U
191-24-2	Benzo(g,h,i)perylene	200	120 J
62-53-3	Aniline	200	< 200 U
62-75-9	N-Nitrosodimethylamine	990	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.8%	2-Fluorobiphenyl	86.4%
d14-p-Terphenyl	87.6%	d4-1,2-Dichlorobenzene	83.6%
d5-Phenol	67.5%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	92.0%	d4-2-Chlorophenol	85.9%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS110-010

SAMPLE

Lab Sample ID: HQ56E

LIMS ID: 05-1731

Matrix: Sediment

Data Release Authorized:

Reported: 02/11/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/04/05

Date Analyzed: 02/08/05 19:26

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 44.2%

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
106-46-7	1,4-Dichlorobenzene	59	< 59 U
100-51-6	Benzyl Alcohol	59	< 59 U
95-50-1	1,2-Dichlorobenzene	59	< 59 U
95-48-7	2-Methylphenol	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
621-64-7	N-Nitroso-Di-N-Propylamine	300	< 300 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
105-67-9	2,4-Dimethylphenol	59	< 59 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	59	< 59 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS110-010

SAMPLE

Lab Sample ID: HQ56E

LIMS ID: 05-1731

Matrix: Sediment

Date Analyzed: 02/08/05 19:26

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	59	< 59 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
118-74-1	Hexachlorobenzene	59	< 59 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	Phenanthrene	59	210
86-74-8	Carbazole	59	< 59 U
120-12-7	Anthracene	59	40 J
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	470
129-00-0	Pyrene	59	420
85-68-7	Butylbenzylphthalate	59	< 59 U
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	170
218-01-9	Chrysene	59	280
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	150
50-32-8	Benzo (a) pyrene	59	180
193-39-5	Indeno (1,2,3-cd) pyrene	59	62
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	56 J
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	300	NV

Reported in µg/kg (ppb)


Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.5%	2-Fluorobiphenyl	90.8%
d14-p-Terphenyl	89.3%	d4-1,2-Dichlorobenzene	79.4%
d5-Phenol	72.2%	2-Fluorophenol	74.2%
2,4,6-Tribromophenol	98.4%	d4-2-Chlorophenol	87.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS110-010
SAMPLE

Lab Sample ID: HQ56E
LIMS ID: 05-1731
Matrix: Sediment
Data Release Authorized: 
Reported: 02/04/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Date Extracted: 02/01/05
Date Analyzed: 02/04/05 15:08
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.84 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 44.2 %
pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	48
205-99-2	Benzo (b) fluoranthene	6.4	47
50-32-8	Benzo (a) pyrene	6.4	48
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	31
106-46-7	1,4-Dichlorobenzene	6.4	< 6.4 U
120-82-1	1,2,4-Trichlorobenzene	6.4	< 6.4 U
118-74-1	Hexachlorobenzene	6.4	< 6.4 U
87-68-3	Hexachlorobutadiene	6.4	< 6.4 U
65-85-0	Benzoic Acid	64	< 64 U
131-11-3	Dimethylphthalate	6.4	< 6.4 U
84-66-2	Diethylphthalate	6.4	< 6.4 U
85-68-7	Butylbenzylphthalate	6.4	7.0
95-48-7	2-Methylphenol	6.4	< 6.4 U
105-67-9	2,4-Dimethylphenol	6.4	< 6.4 U
86-30-6	N-Nitrosodiphenylamine	6.4	< 6.4 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.4	< 6.4 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	72.8%	d5-Phenol	73.3%
2-Fluorophenol	73.1%	d4-2-Chlorophenol	73.3%
d4-1,2-Dichlorobenzene	67.6%	d5-Nitrobenzene	69.6%
2,4,6-Tribromophenol	77.3%	d14-p-Terphenyl	78.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS-111-010

SAMPLE

Lab Sample ID: HP90A

LIMS ID: 05-1219

Matrix: Sediment

Data Release Authorized: *MS*

Reported: 02/10/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Date Extracted: 01/31/05

Date Analyzed: 02/08/05 14:45

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 12.3 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 41.9%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	200	< 200 U
111-44-4	Bis-(2-Chloroethyl) Ether	200	< 200 U
95-57-8	2-Chlorophenol	200	< 200 U
541-73-1	1,3-Dichlorobenzene	200	< 200 U
106-46-7	1,4-Dichlorobenzene	200	< 200 U
100-51-6	Benzyl Alcohol	200	< 200 U
95-50-1	1,2-Dichlorobenzene	200	< 200 U
95-48-7	2-Methylphenol	200	< 200 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	200	< 200 U
106-44-5	4-Methylphenol	200	< 200 U
621-64-7	N-Nitroso-Di-N-Propylamine	1,000	< 1,000 U
67-72-1	Hexachloroethane	200	< 200 U
98-95-3	Nitrobenzene	200	< 200 U
78-59-1	Isophorone	200	< 200 U
88-75-5	2-Nitrophenol	1,000	< 1,000 U
105-67-9	2,4-Dimethylphenol	200	< 200 U
65-85-0	Benzoic Acid	2,000	< 2,000 U
111-91-1	bis(2-Chloroethoxy) Methane	200	< 200 U
120-83-2	2,4-Dichlorophenol	1,000	< 1,000 U
120-82-1	1,2,4-Trichlorobenzene	200	< 200 U
91-20-3	Naphthalene	200	360
106-47-8	4-Chloroaniline	1,000	< 1,000 U
87-68-3	Hexachlorobutadiene	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	1,000	< 1,000 U
91-57-6	2-Methylnaphthalene	200	260
77-47-4	Hexachlorocyclopentadiene	1,000	< 1,000 U
88-06-2	2,4,6-Trichlorophenol	1,000	< 1,000 U
95-95-4	2,4,5-Trichlorophenol	1,000	< 1,000 U
91-58-7	2-Chloronaphthalene	200	< 200 U
88-74-4	2-Nitroaniline	1,000	< 1,000 U
131-11-3	Dimethylphthalate	200	< 200 U
208-96-8	Acenaphthylene	200	< 200 U
99-09-2	3-Nitroaniline	1,000	< 1,000 U
83-32-9	Acenaphthene	200	330
51-28-5	2,4-Dinitrophenol	2,000	< 2,000 U
100-02-7	4-Nitrophenol	1,000	< 1,000 U
132-64-9	Dibenzofuran	200	< 200 U
606-20-2	2,6-Dinitrotoluene	1,000	< 1,000 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS-111-010

SAMPLE

Lab Sample ID: HP90A

LIMS ID: 05-1219

Matrix: Sediment

Date Analyzed: 02/08/05 14:45

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	1,000	< 1,000 U
84-66-2	Diethylphthalate	200	< 200 U
7005-72-3	4-Chlorophenyl-phenylether	200	< 200 U
86-73-7	Fluorene	200	640
100-01-6	4-Nitroaniline	1,000	< 1,000 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,000	< 2,000 U
86-30-6	N-Nitrosodiphenylamine	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	200	< 200 U
118-74-1	Hexachlorobenzene	200	< 200 U
87-86-5	Pentachlorophenol	1,000	< 1,000 U
85-01-8	Phenanthrene	200	3,200
86-74-8	Carbazole	200	260
120-12-7	Anthracene	200	650
84-74-2	Di-n-Butylphthalate	200	< 200 U
206-44-0	Fluoranthene	200	3,000
129-00-0	Pyrene	200	3,400
85-68-7	Butylbenzylphthalate	200	< 200 U
91-94-1	3,3'-Dichlorobenzidine	1,000	< 1,000 U
56-55-3	Benzo (a) anthracene	200	1,300
117-81-7	bis (2-Ethylhexyl) phthalate	200	580
218-01-9	Chrysene	200	1,700
117-84-0	Di-n-Octyl phthalate	200	< 200 U
205-99-2	Benzo (b) fluoranthene	200	1,100
207-08-9	Benzo (k) fluoranthene	200	1,500
50-32-8	Benzo (a) pyrene	200	1,400
193-39-5	Indeno (1,2,3-cd) pyrene	200	460
53-70-3	Dibenz (a,h) anthracene	200	< 200 U
191-24-2	Benzo (g,h,i) perylene	200	460
62-53-3	Aniline	200	< 200 U
62-75-9	N-Nitrosodimethylamine	1,000	< 1,000 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.0%	2-Fluorobiphenyl	60.6%
d14-p-Terphenyl	68.0%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	61.7%	2-Fluorophenol	55.6%
2,4,6-Tribromophenol	61.9%	d4-2-Chlorophenol	58.3%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS-112-010

SAMPLE

Lab Sample ID: HP90B

LIMS ID: 05-1220

Matrix: Sediment

Data Release Authorized: *MS*

Reported: 02/09/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Date Extracted: 01/27/05

Date Analyzed: 02/02/05 19:57

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 42.8%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS-112-010

SAMPLE

Lab Sample ID: HP90B

LIMS ID: 05-1220

Matrix: Sediment

Date Analyzed: 02/02/05 19:57

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	110
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	1,200
86-74-8	Carbazole	98	220
120-12-7	Anthracene	98	200
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	3,400
129-00-0	Pyrene	98	2,000
85-68-7	Butylbenzylphthalate	98	220
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	930
117-81-7	bis (2-Ethylhexyl) phthalate	98	320
218-01-9	Chrysene	98	1,600
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	1,400
207-08-9	Benzo (k) fluoranthene	98	1,200
50-32-8	Benzo (a) pyrene	98	1,100
193-39-5	Indeno (1,2,3-cd) pyrene	98	410
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	370
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	75.8%	2-Fluorobiphenyl	82.4%
d14-p-Terphenyl	82.0%	d4-1,2-Dichlorobenzene	69.4%
d5-Phenol	76.3%	2-Fluorophenol	71.2%
2,4,6-Tribromophenol	39.7%	d4-2-Chlorophenol	82.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS113B-010

SAMPLE

Lab Sample ID: HQ17C

LIMS ID: 05-1407

Matrix: Sediment

Data Release Authorized:

Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Date Extracted: 01/28/05

Date Analyzed: 02/07/05 17:37

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 45.1%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS113B-010

SAMPLE

Lab Sample ID: HQ17C

LIMS ID: 05-1407

Matrix: Sediment

Date Analyzed: 02/07/05 17:37

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	100
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	< 98 U
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	320
129-00-0	Pyrene	98	280
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	110
117-81-7	bis (2-Ethylhexyl)phthalate	98	200
218-01-9	Chrysene	98	220
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	180
207-08-9	Benzo (k) fluoranthene	98	120
50-32-8	Benzo (a) pyrene	98	130
193-39-5	Indeno (1,2,3-cd) pyrene	98	57 J
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	54 J
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	61.4%	2-Fluorobiphenyl	72.4%
d14-p-Terphenyl	91.0%	d4-1,2-Dichlorobenzene	63.2%
d5-Phenol	61.9%	2-Fluorophenol	61.6%
2,4,6-Tribromophenol	98.5%	d4-2-Chlorophenol	72.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS113B-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ17C

QC Report No: HQ17-Windward Environmental, LLC

LIMS ID: 05-1407

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/20/05

Reported: 02/03/05

Date Received: 01/21/05

Date Extracted: 01/28/05

Sample Amount: 7.71 g-dry-wt

Date Analyzed: 02/01/05 19:05

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 45.1 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	9.1
205-99-2	Benzo (b) fluoranthene	6.5	10
50-32-8	Benzo (a) pyrene	6.5	9.7
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	6.5
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	67.6%	d5-Phenol	62.9%
2-Fluorophenol	53.6%	d4-2-Chlorophenol	63.7%
d4-1,2-Dichlorobenzene	61.6%	d5-Nitrobenzene	64.0%
2,4,6-Tribromophenol	71.5%	d14-p-Terphenyl	75.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS114-010

SAMPLE

Lab Sample ID: HQ17A

LIMS ID: 05-1405

Matrix: Sediment

Data Release Authorized:

Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Date Extracted: 01/28/05

Date Analyzed: 02/07/05 16:32

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 19.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 38.0%

pH: 7.5

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
106-46-7	1,4-Dichlorobenzene	130	< 130 U
100-51-6	Benzyl Alcohol	130	< 130 U
95-50-1	1,2-Dichlorobenzene	130	< 130 U
95-48-7	2-Methylphenol	130	< 130 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	130	< 130 U
106-44-5	4-Methylphenol	130	< 130 U
621-64-7	N-Nitroso-Di-N-Propylamine	640	< 640 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	640	< 640 U
105-67-9	2,4-Dimethylphenol	130	< 130 U
65-85-0	Benzoic Acid	1,300	< 1,300 U
111-91-1	bis(2-Chloroethoxy) Methane	130	< 130 U
120-83-2	2,4-Dichlorophenol	640	< 640 U
120-82-1	1,2,4-Trichlorobenzene	130	< 130 U
91-20-3	Naphthalene	130	< 130 U
106-47-8	4-Chloroaniline	640	< 640 U
87-68-3	Hexachlorobutadiene	130	< 130 U
59-50-7	4-Chloro-3-methylphenol	640	< 640 U
91-57-6	2-Methylnaphthalene	130	< 130 U
77-47-4	Hexachlorocyclopentadiene	640	< 640 U
88-06-2	2,4,6-Trichlorophenol	640	< 640 U
95-95-4	2,4,5-Trichlorophenol	640	< 640 U
91-58-7	2-Chloronaphthalene	130	< 130 U
88-74-4	2-Nitroaniline	640	< 640 U
131-11-3	Dimethylphthalate	130	< 130 U
208-96-8	Acenaphthylene	130	< 130 U
99-09-2	3-Nitroaniline	640	< 640 U
83-32-9	Acenaphthene	130	140
51-28-5	2,4-Dinitrophenol	1,300	< 1,300 U
100-02-7	4-Nitrophenol	640	< 640 U
132-64-9	Dibenzofuran	130	< 130 U
606-20-2	2,6-Dinitrotoluene	640	< 640 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS114-010

SAMPLE

Lab Sample ID: HQ17A

LIMS ID: 05-1405

Matrix: Sediment

Date Analyzed: 02/07/05 16:32

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	640	< 640 U
84-66-2	Diethylphthalate	130	< 130 U
7005-72-3	4-Chlorophenyl-phenylether	130	< 130 U
86-73-7	Fluorene	130	130
100-01-6	4-Nitroaniline	640	< 640 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,300	< 1,300 U
86-30-6	N-Nitrosodiphenylamine	130	< 130 U
101-55-3	4-Bromophenyl-phenylether	130	< 130 U
118-74-1	Hexachlorobenzene	130	< 130 U
87-86-5	Pentachlorophenol	640	< 640 U
85-01-8	Phenanthrene	130	1,600
86-74-8	Carbazole	130	240
120-12-7	Anthracene	130	250
84-74-2	Di-n-Butylphthalate	130	83 J
206-44-0	Fluoranthene	130	3,100
129-00-0	Pyrene	130	2,500
85-68-7	Butylbenzylphthalate	130	< 130 U
91-94-1	3,3'-Dichlorobenzidine	640	< 640 U
56-55-3	Benzo (a) anthracene	130	1,100
117-81-7	bis (2-Ethylhexyl) phthalate	130	1,200
218-01-9	Chrysene	130	1,900
117-84-0	Di-n-Octyl phthalate	130	< 130 U
205-99-2	Benzo (b) fluoranthene	130	1,300
207-08-9	Benzo (k) fluoranthene	130	1,200
50-32-8	Benzo (a) pyrene	130	1,300
193-39-5	Indeno (1,2,3-cd) pyrene	130	560
53-70-3	Dibenz (a,h) anthracene	130	86 J
191-24-2	Benzo (g,h,i) perylene	130	460
62-53-3	Aniline	130	< 130 U
62-75-9	N-Nitrosodimethylamine	640	NV

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	65.6%	2-Fluorobiphenyl	76.2%
d14-p-Terphenyl	82.0%	d4-1,2-Dichlorobenzene	68.6%
d5-Phenol	63.2%	2-Fluorophenol	58.7%
2,4,6-Tribromophenol	84.9%	d4-2-Chlorophenol	74.1%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS115-010
SAMPLE

Lab Sample ID: HQ56G
LIMS ID: 05-1733
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/11/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Date Extracted: 02/04/05
Date Analyzed: 02/08/05 20:31
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Percent Moisture: 43.6%
pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	200	< 200 U
111-44-4	Bis-(2-Chloroethyl) Ether	200	< 200 U
95-57-8	2-Chlorophenol	200	< 200 U
541-73-1	1,3-Dichlorobenzene	200	< 200 U
106-46-7	1,4-Dichlorobenzene	200	< 200 U
100-51-6	Benzyl Alcohol	200	< 200 U
95-50-1	1,2-Dichlorobenzene	200	< 200 U
95-48-7	2-Methylphenol	200	< 200 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	200	< 200 U
106-44-5	4-Methylphenol	200	< 200 U
621-64-7	N-Nitroso-Di-N-Propylamine	980	< 980 U
67-72-1	Hexachloroethane	200	< 200 U
98-95-3	Nitrobenzene	200	< 200 U
78-59-1	Isophorone	200	< 200 U
88-75-5	2-Nitrophenol	980	< 980 U
105-67-9	2,4-Dimethylphenol	200	< 200 U
65-85-0	Benzoic Acid	2,000	< 2,000 U
111-91-1	bis(2-Chloroethoxy) Methane	200	< 200 U
120-83-2	2,4-Dichlorophenol	980	< 980 U
120-82-1	1,2,4-Trichlorobenzene	200	< 200 U
91-20-3	Naphthalene	200	< 200 U
106-47-8	4-Chloroaniline	980	< 980 U
87-68-3	Hexachlorobutadiene	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	980	< 980 U
91-57-6	2-Methylnaphthalene	200	< 200 U
77-47-4	Hexachlorocyclopentadiene	980	< 980 U
88-06-2	2,4,6-Trichlorophenol	980	< 980 U
95-95-4	2,4,5-Trichlorophenol	980	< 980 U
91-58-7	2-Chloronaphthalene	200	< 200 U
88-74-4	2-Nitroaniline	980	< 980 U
131-11-3	Dimethylphthalate	200	< 200 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS115-010
SAMPLE

Lab Sample ID: HQ56G
LIMS ID: 05-1733
Matrix: Sediment
Date Analyzed: 02/08/05 20:31

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	200	< 200 U
99-09-2	3-Nitroaniline	980	< 980 U
83-32-9	Acenaphthene	200	150 J
51-28-5	2,4-Dinitrophenol	2,000	< 2,000 U
100-02-7	4-Nitrophenol	980	< 980 U
132-64-9	Dibenzofuran	200	< 200 U
606-20-2	2,6-Dinitrotoluene	980	< 980 U
121-14-2	2,4-Dinitrotoluene	980	< 980 U
84-66-2	Diethylphthalate	200	< 200 U
7005-72-3	4-Chlorophenyl-phenylether	200	< 200 U
86-73-7	Fluorene	200	180 J
100-01-6	4-Nitroaniline	980	< 980 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,000	< 2,000 U
86-30-6	N-Nitrosodiphenylamine	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	200	< 200 U
118-74-1	Hexachlorobenzene	200	< 200 U
87-86-5	Pentachlorophenol	980	< 980 U
85-01-8	Phenanthrene	200	2,400
86-74-8	Carbazole	200	350
120-12-7	Anthracene	200	390
84-74-2	Di-n-Butylphthalate	200	< 200 U
206-44-0	Fluoranthene	200	5,200
129-00-0	Pyrene	200	3,200
85-68-7	Butylbenzylphthalate	200	< 200 U
91-94-1	3,3'-Dichlorobenzidine	980	< 980 U
56-55-3	Benzo (a) anthracene	200	1,500
117-81-7	bis(2-Ethylhexyl)phthalate	200	330
218-01-9	Chrysene	200	2,500
117-84-0	Di-n-Octyl phthalate	200	< 200 U
205-99-2	Benzo (b) fluoranthene	200	1,900
207-08-9	Benzo (k) fluoranthene	200	1,700
50-32-8	Benzo (a) pyrene	200	1,700
193-39-5	Indeno (1,2,3-cd) pyrene	200	600
53-70-3	Dibenz (a,h) anthracene	200	240
191-24-2	Benzo (g,h,i) perylene	200	490
62-53-3	Aniline	200	< 200 U
62-75-9	N-Nitrosodimethylamine	980	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.4%	2-Fluorobiphenyl	88.4%
d14-p-Terphenyl	89.6%	d4-1,2-Dichlorobenzene	84.4%
d5-Phenol	62.4%	2-Fluorophenol	69.6%
2,4,6-Tribromophenol	82.4%	d4-2-Chlorophenol	82.9%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS116-010
SAMPLE

Lab Sample ID: HQ17F
LIMS ID: 05-1410
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 02/07/05 19:14
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 36.8%
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
106-46-7	1,4-Dichlorobenzene	99	< 99 U
100-51-6	Benzyl Alcohol	99	< 99 U
95-50-1	1,2-Dichlorobenzene	99	< 99 U
95-48-7	2-Methylphenol	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 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
105-67-9	2,4-Dimethylphenol	99	< 99 U
65-85-0	Benzoic Acid	990	< 990 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	99	< 99 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	99	< 99 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS116-010

SAMPLE

Lab Sample ID: HQ17F

LIMS ID: 05-1410

Matrix: Sediment

Date Analyzed: 02/07/05 19:14

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	99	< 99 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
118-74-1	Hexachlorobenzene	99	< 99 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	99	280
86-74-8	Carbazole	99	55 J
120-12-7	Anthracene	99	51 J
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	1,000
129-00-0	Pyrene	99	780
85-68-7	Butylbenzylphthalate	99	63 J
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo(a)anthracene	99	310
117-81-7	bis(2-Ethylhexyl)phthalate	99	240
218-01-9	Chrysene	99	660
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo(b)fluoranthene	99	560
207-08-9	Benzo(k)fluoranthene	99	360
50-32-8	Benzo(a)pyrene	99	390
193-39-5	Indeno(1,2,3-cd)pyrene	99	150
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
62-75-9	N-Nitrosodimethylamine	490	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	64.4%	2-Fluorobiphenyl	75.4%
d14-p-Terphenyl	89.0%	d4-1,2-Dichlorobenzene	68.0%
d5-Phenol	63.9%	2-Fluorophenol	63.5%
2,4,6-Tribromophenol	102%	d4-2-Chlorophenol	74.5%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS116-010

Page 1 of 1

SAMPLE

Lab Sample ID: HU13F

QC Report No: HU13-Windward Environmental

LIMS ID: 05-3949

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 01/20/05

Reported: 03/07/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Sample Amount: 7.58 g-dry-wt

Date Analyzed: 03/04/05 16:24

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 36.8 %

pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	34
205-99-2	Benzo (b) fluoranthene	6.6	45
50-32-8	Benzo (a) pyrene	6.6	37
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	28
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	8.6
84-66-2	Diethylphthalate	6.6	7.3 B
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	71.2%	d5-Phenol	62.1%
2-Fluorophenol	58.4%	d4-2-Chlorophenol	66.7%
d4-1,2-Dichlorobenzene	58.0%	d5-Nitrobenzene	60.0%
2,4,6-Tribromophenol	80.3%	d14-p-Terphenyl	78.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SS117-010

SAMPLE

Lab Sample ID: IL52A

QC Report No: IL52-Windward Environmental

LIMS ID: 05-14513

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/20/05

Reported: 09/14/05

Date Received: 01/21/05

Date Extracted: 08/26/05

Sample Amount: 25.4 g-dry-wt

Date Analyzed: 08/31/05 02:15

Final Extract Volume: 0.5 mL

Instrument/Analyst: NT6/VTS

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 43.9%

pH: 5.2

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	100 J
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SS117-010

SAMPLE

Lab Sample ID: IL52A

QC Report No: IL52-Windward Environmental

LIMS ID: 05-14513

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 08/31/05 02:15

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	41
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	26 B
206-44-0	Fluoranthene	20	110
129-00-0	Pyrene	20	130
85-68-7	Butylbenzylphthalate	20	51
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	39
117-81-7	bis (2-Ethylhexyl) phthalate	20	120 B
218-01-9	Chrysene	20	58
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	58
50-32-8	Benzo (a) pyrene	20	52
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	26
62-53-3	Aniline	20	< 20 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	55.6%	2-Fluorobiphenyl	54.8%
d14-p-Terphenyl	89.2%	d4-1,2-Dichlorobenzene	52.0%
d5-Phenol	52.0%	2-Fluorophenol	49.9%
2,4,6-Tribromophenol	78.9%	d4-2-Chlorophenol	56.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 1 of 2

Sample ID: LDW-SS117-010

DUPLICATE

Lab Sample ID: IL52A

LIMS ID: 05-14513

Matrix: Sediment

Data Release Authorized:

Reported: 09/14/05

QC Report No: IL52-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Date Extracted: 08/26/05

Date Analyzed: 08/31/05 01:42

Instrument/Analyst: NT6/VTS

GPC Cleanup: No

Sample Amount: 7.58 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 43.9%

pH: 5.2

CAS Number	Analyte	RL	Result	RPD
108-95-2	Phenol	66	< 66 U	NA
111-44-4	Bis-(2-Chloroethyl) Ether	66	< 66 U	NA
95-57-8	2-Chlorophenol	66	< 66 U	NA
541-73-1	1,3-Dichlorobenzene	66	< 66 U	NA
106-46-7	1,4-Dichlorobenzene	66	< 66 U	NA
100-51-6	Benzyl Alcohol	66	< 66 U	NA
95-50-1	1,2-Dichlorobenzene	66	< 66 U	NA
95-48-7	2-Methylphenol	66	< 66 U	NA
108-60-1	2,2'-Oxybis(1-Chloropropane)	66	< 66 U	NA
106-44-5	4-Methylphenol	66	< 66 U	NA
621-64-7	N-Nitroso-Di-N-Propylamine	330	< 330 U	NA
67-72-1	Hexachloroethane	66	< 66 U	NA
98-95-3	Nitrobenzene	66	< 66 U	NA
78-59-1	Isophorone	66	< 66 U	NA
88-75-5	2-Nitrophenol	330	< 330 U	NA
105-67-9	2,4-Dimethylphenol	66	< 66 U	NA
65-85-0	Benzoic Acid	660	160 J	46.2%
111-91-1	bis(2-Chloroethoxy) Methane	66	< 66 U	NA
120-83-2	2,4-Dichlorophenol	330	< 330 U	NA
120-82-1	1,2,4-Trichlorobenzene	66	< 66 U	NA
91-20-3	Naphthalene	66	< 66 U	NA
106-47-8	4-Chloroaniline	330	< 330 U	NA
87-68-3	Hexachlorobutadiene	66	< 66 U	NA
59-50-7	4-Chloro-3-methylphenol	330	< 330 U	NA
91-57-6	2-Methylnaphthalene	66	< 66 U	NA
77-47-4	Hexachlorocyclopentadiene	330	< 330 U	NA
88-06-2	2,4,6-Trichlorophenol	330	< 330 U	NA
95-95-4	2,4,5-Trichlorophenol	330	< 330 U	NA
91-58-7	2-Chloronaphthalene	66	< 66 U	NA
88-74-4	2-Nitroaniline	330	< 330 U	NA
131-11-3	Dimethylphthalate	66	< 66 U	NA
208-96-8	Acenaphthylene	66	< 66 U	NA
99-09-2	3-Nitroaniline	330	< 330 U	NA
83-32-9	Acenaphthene	66	< 66 U	NA
51-28-5	2,4-Dinitrophenol	660	< 660 U	NA
100-02-7	4-Nitrophenol	330	< 330 U	NA
132-64-9	Dibenzofuran	66	< 66 U	NA
606-20-2	2,6-Dinitrotoluene	330	< 330 U	NA

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270D GC/MS

Page 2 of 2

Sample ID: LDW-SS117-010

DUPLICATE

Lab Sample ID: IL52A

QC Report No: IL52-Windward Environmental

LIMS ID: 05-14513

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 08/31/05 01:42

CAS Number	Analyte	RL	Result	RPD
121-14-2	2,4-Dinitrotoluene	330	< 330 U	NA
84-66-2	Diethylphthalate	66	< 66 U	NA
7005-72-3	4-Chlorophenyl-phenylether	66	< 66 U	NA
86-73-7	Fluorene	66	< 66 U	NA
100-01-6	4-Nitroaniline	330	< 330 U	NA
534-52-1	4,6-Dinitro-2-Methylphenol	660	< 660 U	NA
86-30-6	N-Nitrosodiphenylamine	66	< 66 U	NA
101-55-3	4-Bromophenyl-phenylether	66	< 66 U	NA
118-74-1	Hexachlorobenzene	66	< 66 U	NA
87-86-5	Pentachlorophenol	330	< 330 U	NA
85-01-8	Phenanthrene	66	< 66 U	NA
86-74-8	Carbazole	66	< 66 U	NA
120-12-7	Anthracene	66	< 66 U	NA
84-74-2	Di-n-Butylphthalate	66	280 B	166.0%
206-44-0	Fluoranthene	66	140	24.0%
129-00-0	Pyrene	66	150	14.3%
85-68-7	Butylbenzylphthalate	66	< 66 U	NA
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U	NA
56-55-3	Benzo(a)anthracene	66	< 66 U	NA
117-81-7	bis(2-Ethylhexyl)phthalate	66	150 B	22.2%
218-01-9	Chrysene	66	< 66 U	NA
117-84-0	Di-n-Octyl phthalate	66	< 66 U	NA
205-99-2	Benzo(b)fluoranthene	66	82	19.8%
207-08-9	Benzo(k)fluoranthene	66	< 66 U	NA
50-32-8	Benzo(a)pyrene	66	< 66 U	NA
193-39-5	Indeno(1,2,3-cd)pyrene	66	< 66 U	NA
53-70-3	Dibenz(a,h)anthracene	66	< 66 U	NA
191-24-2	Benzo(g,h,i)perylene	66	36 J	32.3%
62-53-3	Aniline	66	< 66 U	NA

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.8%	2-Fluorobiphenyl	57.2%
d14-p-Terphenyl	93.2%	d4-1,2-Dichlorobenzene	51.6%
d5-Phenol	53.3%	2-Fluorophenol	54.1%
2,4,6-Tribromophenol	81.6%	d4-2-Chlorophenol	58.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS117-010

Page 1 of 1

SAMPLE

Lab Sample ID: IL52A

QC Report No: IL52-Windward Environmental

LIMS ID: 05-14513

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

Event: 04-08-06-24

Data Release Authorized:

Date Sampled: 01/20/05

Reported: 09/14/05

Date Received: 01/21/05

Date Extracted: 08/26/05

Sample Amount: 7.57 g-dry-wt

Date Analyzed: 08/31/05 14:11

Final Extract Volume: 0.5 mL

Instrument/Analyst: NT2/VTS

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 43.9%

pH: 5.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.6	< 6.6 U
205-99-2	Benzo(b)fluoranthene	6.6	< 6.6 U
50-32-8	Benzo(a)pyrene	6.6	< 6.6 U
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	< 6.6 U
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 3.3 UJ
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	11 B
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	66	< 66 Y
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	44.4%	d5-Phenol	43.7%
2-Fluorophenol	46.4%	d4-2-Chlorophenol	39.5%
d4-1,2-Dichlorobenzene	36.0%	d5-Nitrobenzene	42.8%
2,4,6-Tribromophenol	44.3%	d14-p-Terphenyl	58.4%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS117-010

Page 1 of 1

DUPLICATE

Lab Sample ID: IL52A

QC Report No: IL52-Windward Environmental

LIMS ID: 05-14513

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

Event: 04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 01/20/05

Reported: 09/14/05

Date Received: 01/21/05

Date Extracted: 08/26/05

Sample Amount: 7.58 g-dry-wt

Date Analyzed: 08/31/05 14:43

Final Extract Volume: 0.5 mL

Instrument/Analyst: NT2/VTS

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 43.9%

pH: 5.2

CAS Number	Analyte	RL	Result	RPD
56-55-3	Benzo(a)anthracene	6.6	< 6.6 U	NA
205-99-2	Benzo(b)fluoranthene	6.6	< 6.6 U	NA
50-32-8	Benzo(a)pyrene	6.6	< 6.6 U	NA
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	< 6.6 U	NA
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U	NA
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U	NA
118-74-1	Hexachlorobenzene	6.6	< 3.3 UJ	NA
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U	NA
65-85-0	Benzoic Acid	66	< 66 U	NA
131-11-3	Dimethylphthalate	6.6	< 6.6 U	NA
84-66-2	Diethylphthalate	6.6	16 B	37.0%
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U	NA
95-48-7	2-Methylphenol	6.6	< 6.6 U	NA
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U	NA
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U	NA
100-51-6	Benzyl Alcohol	33	< 33 U	NA
87-86-5	Pentachlorophenol	66	< 66 Y	NA
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U	NA
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U	NA
62-75-9	N-Nitrosodimethylamine	33	< 33 U	NA

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	44.4%	d5-Phenol	39.7%
2-Fluorophenol	45.9%	d4-2-Chlorophenol	34.4%
d4-1,2-Dichlorobenzene	37.6%	d5-Nitrobenzene	45.2%
2,4,6-Tribromophenol	53.6%	d14-p-Terphenyl	66.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS118-010

SAMPLE

Lab Sample ID: HQ17J

LIMS ID: 05-1414

Matrix: Sediment

Data Release Authorized:

Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Date Extracted: 01/28/05

Date Analyzed: 02/08/05 14:36

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 50.0%

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
106-46-7	1,4-Dichlorobenzene	99	< 99 U
100-51-6	Benzyl Alcohol	99	< 99 U
95-50-1	1,2-Dichlorobenzene	99	< 99 U
95-48-7	2-Methylphenol	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
621-64-7	N-Nitroso-Di-N-Propylamine	500	< 500 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
105-67-9	2,4-Dimethylphenol	99	< 99 U
65-85-0	Benzoic Acid	990	< 990 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
120-82-1	1,2,4-Trichlorobenzene	99	< 99 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	500	< 500 U
87-68-3	Hexachlorobutadiene	99	< 99 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS118-010

SAMPLE

Lab Sample ID: HQ17J

LIMS ID: 05-1414

Matrix: Sediment

Date Analyzed: 02/08/05 14:36

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	99	< 99 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
118-74-1	Hexachlorobenzene	99	< 99 U
87-86-5	Pentachlorophenol	500	< 500 U
85-01-8	Phenanthrene	99	140
86-74-8	Carbazole	99	< 99 U
120-12-7	Anthracene	99	< 99 U
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	490
129-00-0	Pyrene	99	360
85-68-7	Butylbenzylphthalate	99	< 99 U
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	240
218-01-9	Chrysene	99	270
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo (b) fluoranthene	99	210
207-08-9	Benzo (k) fluoranthene	99	120
50-32-8	Benzo (a) pyrene	99	140
193-39-5	Indeno (1,2,3-cd) pyrene	99	82 J
53-70-3	Dibenz (a,h) anthracene	99	< 99 U
191-24-2	Benzo (g,h,i) perylene	99	71 J
62-53-3	Aniline	99	< 99 U
62-75-9	N-Nitrosodimethylamine	500	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.6%	2-Fluorobiphenyl	69.4%
d14-p-Terphenyl	80.4%	d4-1,2-Dichlorobenzene	62.4%
d5-Phenol	57.7%	2-Fluorophenol	59.2%
2,4,6-Tribromophenol	88.4%	d4-2-Chlorophenol	69.1%



ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS118-010
SAMPLE

Lab Sample ID: HT37A
LIMS ID: 05-3537
Matrix: Sediment
Data Release Authorized: *AR*
Reported: 02/25/05

QC Report No: HT37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/20/05

Date Extracted: 02/21/05
Date Analyzed: 02/24/05 13:33
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.52 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 50.0 %
pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	62
205-99-2	Benzo (b) fluoranthene	6.6	71
50-32-8	Benzo (a) pyrene	6.6	70
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	46
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	84
131-11-3	Dimethylphthalate	6.6	7.3
84-66-2	Diethylphthalate	6.6	8.6
85-68-7	Butylbenzylphthalate	6.6	25
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	70.0%	d5-Phenol	70.1%
2-Fluorophenol	64.3%	d4-2-Chlorophenol	70.7%
d4-1,2-Dichlorobenzene	59.6%	d5-Nitrobenzene	61.6%
2,4,6-Tribromophenol	84.3%	d14-p-Terphenyl	79.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS-119-010

SAMPLE

Lab Sample ID: HP90C

LIMS ID: 05-1221

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Date Extracted: 01/27/05

Date Analyzed: 02/02/05 20:30

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 26.0 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 41.9%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	96	< 96 U
111-44-4	Bis-(2-Chloroethyl) Ether	96	< 96 U
95-57-8	2-Chlorophenol	96	< 96 U
541-73-1	1,3-Dichlorobenzene	96	< 96 U
106-46-7	1,4-Dichlorobenzene	96	< 96 U
100-51-6	Benzyl Alcohol	96	< 96 U
95-50-1	1,2-Dichlorobenzene	96	< 96 U
95-48-7	2-Methylphenol	96	< 96 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	96	< 96 U
106-44-5	4-Methylphenol	96	< 96 U
621-64-7	N-Nitroso-Di-N-Propylamine	480	< 480 U
67-72-1	Hexachloroethane	96	< 96 U
98-95-3	Nitrobenzene	96	< 96 U
78-59-1	Isophorone	96	< 96 U
88-75-5	2-Nitrophenol	480	< 480 U
105-67-9	2,4-Dimethylphenol	96	< 96 U
65-85-0	Benzoic Acid	960	< 960 U
111-91-1	bis(2-Chloroethoxy) Methane	96	< 96 U
120-83-2	2,4-Dichlorophenol	480	< 480 U
120-82-1	1,2,4-Trichlorobenzene	96	< 96 U
91-20-3	Naphthalene	96	< 96 U
106-47-8	4-Chloroaniline	480	< 480 U
87-68-3	Hexachlorobutadiene	96	< 96 U
59-50-7	4-Chloro-3-methylphenol	480	< 480 U
91-57-6	2-Methylnaphthalene	96	< 96 U
77-47-4	Hexachlorocyclopentadiene	480	< 480 U
88-06-2	2,4,6-Trichlorophenol	480	< 480 U
95-95-4	2,4,5-Trichlorophenol	480	< 480 U
91-58-7	2-Chloronaphthalene	96	< 96 U
88-74-4	2-Nitroaniline	480	< 480 U
131-11-3	Dimethylphthalate	96	< 96 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 2 of 2

Sample ID: LDW-SS-119-010
 SAMPLE

Lab Sample ID: HP90C
 LIMS ID: 05-1221
 Matrix: Sediment
 Date Analyzed: 02/02/05 20:30

QC Report No: HP90-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	96	< 96 U
99-09-2	3-Nitroaniline	480	< 480 U
83-32-9	Acenaphthene	96	< 96 U
51-28-5	2,4-Dinitrophenol	960	< 960 U
100-02-7	4-Nitrophenol	480	< 480 U
132-64-9	Dibenzofuran	96	< 96 U
606-20-2	2,6-Dinitrotoluene	480	< 480 U
121-14-2	2,4-Dinitrotoluene	480	< 480 U
84-66-2	Diethylphthalate	96	110
7005-72-3	4-Chlorophenyl-phenylether	96	< 96 U
86-73-7	Fluorene	96	< 96 U
100-01-6	4-Nitroaniline	480	< 480 U
534-52-1	4,6-Dinitro-2-Methylphenol	960	< 960 U
86-30-6	N-Nitrosodiphenylamine	96	< 96 U
101-55-3	4-Bromophenyl-phenylether	96	< 96 U
118-74-1	Hexachlorobenzene	96	< 96 U
87-86-5	Pentachlorophenol	480	< 480 U
85-01-8	Phenanthrene	96	160
86-74-8	Carbazole	96	< 96 U
120-12-7	Anthracene	96	< 96 U
84-74-2	Di-n-Butylphthalate	96	< 96 U
206-44-0	Fluoranthene	96	510
129-00-0	Pyrene	96	380
85-68-7	Butylbenzylphthalate	96	140
91-94-1	3,3'-Dichlorobenzidine	480	< 480 U
56-55-3	Benzo(a)anthracene	96	160
117-81-7	bis(2-Ethylhexyl)phthalate	96	280
218-01-9	Chrysene	96	350
117-84-0	Di-n-Octyl phthalate	96	< 96 U
205-99-2	Benzo(b)fluoranthene	96	230
207-08-9	Benzo(k)fluoranthene	96	160
50-32-8	Benzo(a)pyrene	96	180
193-39-5	Indeno(1,2,3-cd)pyrene	96	< 96 U
53-70-3	Dibenz(a,h)anthracene	96	< 96 U
191-24-2	Benzo(g,h,i)perylene	96	< 96 U
62-53-3	Aniline	96	< 96 U
62-75-9	N-Nitrosodimethylamine	480	< 480 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	73.4%	2-Fluorobiphenyl	78.0%
d14-p-Terphenyl	75.8%	d4-1,2-Dichlorobenzene	77.0%
d5-Phenol	72.8%	2-Fluorophenol	68.9%
2,4,6-Tribromophenol	37.5%	d4-2-Chlorophenol	78.9%

ORGANICS ANALYSIS DATA SHEET


Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS-119-010
SAMPLE

Lab Sample ID: HP90C

LIMS ID: 05-1221

Matrix: Sediment

Data Release Authorized: 

Reported: 02/03/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Date Extracted: 01/28/05

Date Analyzed: 01/31/05 21:55

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.58 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 41.9 %

pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.6	130
205-99-2	Benzo(b)fluoranthene	6.6	150
50-32-8	Benzo(a)pyrene	6.6	130
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	63
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	130
131-11-3	Dimethylphthalate	6.6	37
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	90
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	68.0%	d5-Phenol	67.7%
2-Fluorophenol	52.3%	d4-2-Chlorophenol	65.6%
d4-1,2-Dichlorobenzene	61.2%	d5-Nitrobenzene	67.2%
2,4,6-Tribromophenol	74.9%	d14-p-Terphenyl	73.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS-120-010

SAMPLE

Lab Sample ID: HP90D

LIMS ID: 05-1222

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/09/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Date Extracted: 01/27/05

Date Analyzed: 02/02/05 21:02

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 44.9%

pH: 7.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	97	< 97 U
111-44-4	Bis-(2-Chloroethyl) Ether	97	< 97 U
95-57-8	2-Chlorophenol	97	< 97 U
541-73-1	1,3-Dichlorobenzene	97	< 97 U
106-46-7	1,4-Dichlorobenzene	97	< 97 U
100-51-6	Benzyl Alcohol	97	< 97 U
95-50-1	1,2-Dichlorobenzene	97	< 97 U
95-48-7	2-Methylphenol	97	< 97 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	97	< 97 U
106-44-5	4-Methylphenol	97	< 97 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	97	< 97 U
98-95-3	Nitrobenzene	97	< 97 U
78-59-1	Isophorone	97	< 97 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	97	< 97 U
65-85-0	Benzoic Acid	970	< 970 U
111-91-1	bis(2-Chloroethoxy) Methane	97	< 97 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	97	< 97 U
91-20-3	Naphthalene	97	< 97 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	97	< 97 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	97	< 97 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	97	< 97 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	97	< 97 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS-120-010

SAMPLE

Lab Sample ID: HP90D

LIMS ID: 05-1222

Matrix: Sediment

Date Analyzed: 02/02/05 21:02

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	97	< 97 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	97	< 97 U
51-28-5	2,4-Dinitrophenol	970	< 970 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	97	< 97 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	97	110
7005-72-3	4-Chlorophenyl-phenylether	97	< 97 U
86-73-7	Fluorene	97	< 97 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	970	< 970 U
86-30-6	N-Nitrosodiphenylamine	97	< 97 U
101-55-3	4-Bromophenyl-phenylether	97	< 97 U
118-74-1	Hexachlorobenzene	97	< 97 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	97	220
86-74-8	Carbazole	97	< 97 U
120-12-7	Anthracene	97	< 97 U
84-74-2	Di-n-Butylphthalate	97	< 97 U
206-44-0	Fluoranthene	97	800
129-00-0	Pyrene	97	550
85-68-7	Butylbenzylphthalate	97	230
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	97	210
117-81-7	bis (2-Ethylhexyl) phthalate	97	300
218-01-9	Chrysene	97	440
117-84-0	Di-n-Octyl phthalate	97	< 97 U
205-99-2	Benzo (b) fluoranthene	97	330
207-08-9	Benzo (k) fluoranthene	97	260
50-32-8	Benzo (a) pyrene	97	290
193-39-5	Indeno (1,2,3-cd) pyrene	97	110
53-70-3	Dibenz (a,h) anthracene	97	< 97 U
191-24-2	Benzo (g,h,i) perylene	97	100
62-53-3	Aniline	97	< 97 U
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	71.0%	2-Fluorobiphenyl	78.0%
d14-p-Terphenyl	79.4%	d4-1,2-Dichlorobenzene	68.4%
d5-Phenol	72.4%	2-Fluorophenol	69.6%
2,4,6-Tribromophenol	48.3%	d4-2-Chlorophenol	77.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS-120-010
SAMPLE

Lab Sample ID: HP90D

LIMS ID: 05-1222

Matrix: Sediment

Data Release Authorized:

Reported: 02/03/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Date Extracted: 01/28/05

Date Analyzed: 01/31/05 22:28

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 2.23 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 44.9 %

pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	22	150
205-99-2	Benzo (b) fluoranthene	22	220
50-32-8	Benzo (a) pyrene	22	170
193-39-5	Indeno (1,2,3-cd) pyrene	22	130
106-46-7	1,4-Dichlorobenzene	22	< 22 U
120-82-1	1,2,4-Trichlorobenzene	22	< 22 U
118-74-1	Hexachlorobenzene	22	< 22 U
87-68-3	Hexachlorobutadiene	22	< 22 U
65-85-0	Benzoic Acid	220	250
131-11-3	Dimethylphthalate	22	40
84-66-2	Diethylphthalate	22	< 22 U
85-68-7	Butylbenzylphthalate	22	110
95-48-7	2-Methylphenol	22	< 22 U
105-67-9	2,4-Dimethylphenol	22	< 22 U
86-30-6	N-Nitrosodiphenylamine	22	< 22 U
100-51-6	Benzyl Alcohol	110	< 110 U
87-86-5	Pentachlorophenol	110	< 110 U
95-50-1	1,2-Dichlorobenzene	22	< 22 U
621-64-7	N-Nitroso-Di-N-Propylamine	110	< 110 U
62-75-9	N-Nitrosodimethylamine	110	< 110 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	75.6%	d5-Phenol	75.5%
2-Fluorophenol	70.9%	d4-2-Chlorophenol	72.0%
d4-1,2-Dichlorobenzene	68.0%	d5-Nitrobenzene	71.6%
2,4,6-Tribromophenol	87.7%	d14-p-Terphenyl	85.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS121-010

SAMPLE

Lab Sample ID: HQ56H

LIMS ID: 05-1734

Matrix: Sediment

Data Release Authorized:

Reported: 02/11/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/04/05

Date Analyzed: 02/08/05 21:03

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 5.00

Percent Moisture: 38.9%

pH: 7.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	200	< 200 U
111-44-4	Bis-(2-Chloroethyl) Ether	200	< 200 U
95-57-8	2-Chlorophenol	200	< 200 U
541-73-1	1,3-Dichlorobenzene	200	< 200 U
106-46-7	1,4-Dichlorobenzene	200	< 200 U
100-51-6	Benzyl Alcohol	200	< 200 U
95-50-1	1,2-Dichlorobenzene	200	< 200 U
95-48-7	2-Methylphenol	200	< 200 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	200	< 200 U
106-44-5	4-Methylphenol	200	< 200 U
621-64-7	N-Nitroso-Di-N-Propylamine	990	< 990 U
67-72-1	Hexachloroethane	200	< 200 U
98-95-3	Nitrobenzene	200	< 200 U
78-59-1	Isophorone	200	< 200 U
88-75-5	2-Nitrophenol	990	< 990 U
105-67-9	2,4-Dimethylphenol	200	< 200 U
65-85-0	Benzoic Acid	2,000	< 2,000 U
111-91-1	bis(2-Chloroethoxy) Methane	200	< 200 U
120-83-2	2,4-Dichlorophenol	990	< 990 U
120-82-1	1,2,4-Trichlorobenzene	200	< 200 U
91-20-3	Naphthalene	200	< 200 U
106-47-8	4-Chloroaniline	990	< 990 U
87-68-3	Hexachlorobutadiene	200	< 200 U
59-50-7	4-Chloro-3-methylphenol	990	< 990 U
91-57-6	2-Methylnaphthalene	200	< 200 U
77-47-4	Hexachlorocyclopentadiene	990	< 990 U
88-06-2	2,4,6-Trichlorophenol	990	< 990 U
95-95-4	2,4,5-Trichlorophenol	990	< 990 U
91-58-7	2-Chloronaphthalene	200	< 200 U
88-74-4	2-Nitroaniline	990	< 990 U
131-11-3	Dimethylphthalate	200	< 200 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS121-010
SAMPLE

Lab Sample ID: HQ56H
LIMS ID: 05-1734
Matrix: Sediment
Date Analyzed: 02/08/05 21:03

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	200	< 200 U
99-09-2	3-Nitroaniline	990	< 990 U
83-32-9	Acenaphthene	200	< 200 U
51-28-5	2,4-Dinitrophenol	2,000	< 2,000 U
100-02-7	4-Nitrophenol	990	< 990 U
132-64-9	Dibenzofuran	200	< 200 U
606-20-2	2,6-Dinitrotoluene	990	< 990 U
121-14-2	2,4-Dinitrotoluene	990	< 990 U
84-66-2	Diethylphthalate	200	< 200 U
7005-72-3	4-Chlorophenyl-phenylether	200	< 200 U
86-73-7	Fluorene	200	< 200 U
100-01-6	4-Nitroaniline	990	< 990 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,000	< 2,000 U
86-30-6	N-Nitrosodiphenylamine	200	< 200 U
101-55-3	4-Bromophenyl-phenylether	200	< 200 U
118-74-1	Hexachlorobenzene	200	< 200 U
87-86-5	Pentachlorophenol	990	< 990 U
85-01-8	Phenanthrene	200	< 200 U
86-74-8	Carbazole	200	< 200 U
120-12-7	Anthracene	200	< 200 U
84-74-2	Di-n-Butylphthalate	200	120 J
206-44-0	Fluoranthene	200	170 J
129-00-0	Pyrene	200	120 J
85-68-7	Butylbenzylphthalate	200	320
91-94-1	3,3'-Dichlorobenzidine	990	< 990 U
56-55-3	Benzo (a) anthracene	200	< 200 U
117-81-7	bis (2-Ethylhexyl) phthalate	200	< 200 U
218-01-9	Chrysene	200	200
117-84-0	Di-n-Octyl phthalate	200	< 200 U
205-99-2	Benzo (b) fluoranthene	200	110 J
207-08-9	Benzo (k) fluoranthene	200	< 200 U
50-32-8	Benzo (a) pyrene	200	100 J
193-39-5	Indeno (1,2,3-cd) pyrene	200	< 200 U
53-70-3	Dibenz (a, h) anthracene	200	< 200 U
191-24-2	Benzo (g, h, i) perylene	200	< 200 U
62-53-3	Aniline	200	< 200 U
62-75-9	N-Nitrosodimethylamine	990	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	75.6%	2-Fluorobiphenyl	86.4%
d14-p-Terphenyl	93.2%	d4-1,2-Dichlorobenzene	76.8%
d5-Phenol	63.5%	2-Fluorophenol	64.0%
2,4,6-Tribromophenol	84.3%	d4-2-Chlorophenol	84.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS123-010

SAMPLE

Lab Sample ID: HQ48L

LIMS ID: 05-1653

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/08/05 22:31

Instrument/Analyst: NP4/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 28.3%

pH: 8.1

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	15 J
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS123-010

SAMPLE

Lab Sample ID: HQ48L

LIMS ID: 05-1653

Matrix: Sediment

Date Analyzed: 02/08/05 22:31

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	21
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	48
129-00-0	Pyrene	20	57
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	14 J
117-81-7	bis (2-Ethylhexyl) phthalate	20	31
218-01-9	Chrysene	20	22
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	24
207-08-9	Benzo (k) fluoranthene	20	27
50-32-8	Benzo (a) pyrene	20	15 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
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	46.0%	2-Fluorobiphenyl	49.2%
d14-p-Terphenyl	58.4%	d4-1,2-Dichlorobenzene	39.9%
d5-Phenol	50.4%	2-Fluorophenol	41.3%
2,4,6-Tribromophenol	53.6%	d4-2-Chlorophenol	47.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS123-010
SAMPLE

Lab Sample ID: HQ48L
LIMS ID: 05-1653
Matrix: Sediment
Data Release Authorized:
Reported: 02/04/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/03/05 18:36
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.89 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 28.3 %
pH: 8.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.3	15
205-99-2	Benzo (b) fluoranthene	6.3	16
50-32-8	Benzo (a) pyrene	6.3	11
193-39-5	Indeno (1,2,3-cd) pyrene	6.3	11
106-46-7	1,4-Dichlorobenzene	6.3	< 6.3 U
120-82-1	1,2,4-Trichlorobenzene	6.3	< 6.3 U
118-74-1	Hexachlorobenzene	6.3	< 6.3 U
87-68-3	Hexachlorobutadiene	6.3	< 6.3 U
65-85-0	Benzoic Acid	63	< 63 U
131-11-3	Dimethylphthalate	6.3	18
84-66-2	Diethylphthalate	6.3	< 6.3 U
85-68-7	Butylbenzylphthalate	6.3	7.6
95-48-7	2-Methylphenol	6.3	< 6.3 U
105-67-9	2,4-Dimethylphenol	6.3	< 6.3 U
86-30-6	N-Nitrosodiphenylamine	6.3	< 6.3 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.3	< 6.3 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	55.6%	d5-Phenol	52.8%
2-Fluorophenol	56.5%	d4-2-Chlorophenol	54.1%
d4-1,2-Dichlorobenzene	49.6%	d5-Nitrobenzene	54.8%
2,4,6-Tribromophenol	63.2%	d14-p-Terphenyl	65.6%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS203-010
SAMPLE

Lab Sample ID: HQ48M
LIMS ID: 05-1654
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/10/05 16:09
Instrument/Analyst: NP4/LJR
GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 3.00
Percent Moisture: 29.0%
pH: 7.8

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
106-46-7	1,4-Dichlorobenzene	58	< 58 U
100-51-6	Benzyl Alcohol	58	< 58 U
95-50-1	1,2-Dichlorobenzene	58	< 58 U
95-48-7	2-Methylphenol	58	< 58 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	58	< 58 U
106-44-5	4-Methylphenol	58	30 J
621-64-7	N-Nitroso-Di-N-Propylamine	290	< 290 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
105-67-9	2,4-Dimethylphenol	58	< 58 U
65-85-0	Benzoic Acid	580	< 580 U
111-91-1	bis(2-Chloroethoxy) Methane	58	< 58 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	58	< 58 U
91-20-3	Naphthalene	58	< 58 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	58	< 58 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS203-010

SAMPLE

Lab Sample ID: HQ48M

QC Report No: HQ48-Windward Environmental, LLC

LIMS ID: 05-1654

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 02/10/05 16:09

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	58	< 58 U
101-55-3	4-Bromophenyl-phenylether	58	< 58 U
118-74-1	Hexachlorobenzene	58	< 58 U
87-86-5	Pentachlorophenol	290	< 290 U
85-01-8	Phenanthrene	58	39 J
86-74-8	Carbazole	58	< 58 U
120-12-7	Anthracene	58	< 58 U
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	78
129-00-0	Pyrene	58	89
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo(a)anthracene	58	< 58 U
117-81-7	bis(2-Ethylhexyl)phthalate	58	36 J
218-01-9	Chrysene	58	36 J
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo(b)fluoranthene	58	32 J
207-08-9	Benzo(k)fluoranthene	58	31 J
50-32-8	Benzo(a)pyrene	58	< 58 U
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
62-75-9	N-Nitrosodimethylamine	290	< 290 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	83.6%	2-Fluorobiphenyl	85.9%
d14-p-Terphenyl	93.4%	d4-1,2-Dichlorobenzene	73.3%
d5-Phenol	85.6%	2-Fluorophenol	77.8%
2,4,6-Tribromophenol	88.8%	d4-2-Chlorophenol	82.4%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS203-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ48M

QC Report No: HQ48-Windward Environmental, LLC

LIMS ID: 05-1654

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/24/05

Reported: 02/04/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Sample Amount: 7.85 g-dry-wt

Date Analyzed: 02/03/05 19:08

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 29.0 %

pH: 7.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.4	9.6
205-99-2	Benzo(b)fluoranthene	6.4	12
50-32-8	Benzo(a)pyrene	6.4	9.6
193-39-5	Indeno(1,2,3-cd)pyrene	6.4	< 6.4 U
106-46-7	1,4-Dichlorobenzene	6.4	< 6.4 U
120-82-1	1,2,4-Trichlorobenzene	6.4	< 6.4 U
118-74-1	Hexachlorobenzene	6.4	< 6.4 U
87-68-3	Hexachlorobutadiene	6.4	< 6.4 U
65-85-0	Sulzoic Acid	64	< 64 U
131-11-3	Dimethylphthalate	6.4	< 6.4 U
84-66-2	Diethylphthalate	6.4	< 6.4 U
85-68-7	Butylbenzylphthalate	6.4	< 6.4 U
95-48-7	2-Methylphenol	6.4	< 6.4 U
105-67-9	2,4-Dimethylphenol	6.4	< 6.4 U
86-30-6	N-Nitrosodiphenylamine	6.4	< 6.4 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.4	< 6.4 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	58.4%	d5-Phenol	56.5%
2-Fluorophenol	50.7%	d4-2-Chlorophenol	56.3%
d4-1,2-Dichlorobenzene	52.0%	d5-Nitrobenzene	56.4%
2,4,6-Tribromophenol	62.4%	d14-p-Terphenyl	67.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS125-010

SAMPLE

Lab Sample ID: HQ17D

LIMS ID: 05-1408

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Date Extracted: 01/28/05

Date Analyzed: 02/07/05 18:09

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 49.1%

pH: 7.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	98	< 98 U
111-44-4	Bis-(2-Chloroethyl) Ether	98	< 98 U
95-57-8	2-Chlorophenol	98	< 98 U
541-73-1	1,3-Dichlorobenzene	98	< 98 U
106-46-7	1,4-Dichlorobenzene	98	< 98 U
100-51-6	Benzyl Alcohol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	98	< 98 U
95-48-7	2-Methylphenol	98	< 98 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	98	< 98 U
106-44-5	4-Methylphenol	98	< 98 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 U
67-72-1	Hexachloroethane	98	< 98 U
98-95-3	Nitrobenzene	98	< 98 U
78-59-1	Isophorone	98	< 98 U
88-75-5	2-Nitrophenol	490	< 490 U
105-67-9	2,4-Dimethylphenol	98	< 98 U
65-85-0	Benzoic Acid	980	< 980 U
111-91-1	bis(2-Chloroethoxy) Methane	98	< 98 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	98	< 98 U
91-20-3	Naphthalene	98	< 98 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	98	< 98 U
59-50-7	4-Chloro-3-methylphenol	490	< 490 U
91-57-6	2-Methylnaphthalene	98	< 98 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	98	< 98 U
88-74-4	2-Nitroaniline	490	< 490 U
131-11-3	Dimethylphthalate	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
99-09-2	3-Nitroaniline	490	< 490 U
83-32-9	Acenaphthene	98	< 98 U
51-28-5	2,4-Dinitrophenol	980	< 980 U
100-02-7	4-Nitrophenol	490	< 490 U
132-64-9	Dibenzofuran	98	< 98 U
606-20-2	2,6-Dinitrotoluene	490	< 490 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS125-010

SAMPLE

Lab Sample ID: HQ17D

LIMS ID: 05-1408

Matrix: Sediment

Date Analyzed: 02/07/05 18:09

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	490	< 490 U
84-66-2	Diethylphthalate	98	< 98 U
7005-72-3	4-Chlorophenyl-phenylether	98	< 98 U
86-73-7	Fluorene	98	< 98 U
100-01-6	4-Nitroaniline	490	< 490 U
534-52-1	4,6-Dinitro-2-Methylphenol	980	< 980 U
86-30-6	N-Nitrosodiphenylamine	98	< 98 U
101-55-3	4-Bromophenyl-phenylether	98	< 98 U
118-74-1	Hexachlorobenzene	98	< 98 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	98	73 J
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	< 98 U
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	340
129-00-0	Pyrene	98	240
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo(a)anthracene	98	100
117-81-7	bis(2-Ethylhexyl)phthalate	98	97 J
218-01-9	Chrysene	98	290
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo(b)fluoranthene	98	190
207-08-9	Benzo(k)fluoranthene	98	100
50-32-8	Benzo(a)pyrene	98	110
193-39-5	Indeno(1,2,3-cd)pyrene	98	50 J
53-70-3	Dibenz(a,h)anthracene	98	< 98 U
191-24-2	Benzo(g,h,i)perylene	98	< 98 U
62-53-3	Aniline	98	< 98 U
62-75-9	N-Nitrosodimethylamine	490	NV

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.2%	2-Fluorobiphenyl	68.2%
d14-p-Terphenyl	73.2%	d4-1,2-Dichlorobenzene	61.4%
d5-Phenol	57.7%	2-Fluorophenol	57.6%
2,4,6-Tribromophenol	82.4%	d4-2-Chlorophenol	68.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS125-010

Page 1 of 1

SAMPLE

Lab Sample ID: HQ17D

QC Report No: HQ17-Windward Environmental, LLC

LIMS ID: 05-1408

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 01/20/05

Reported: 02/03/05

Date Received: 01/21/05

Date Extracted: 01/28/05

Sample Amount: 7.65 g-dry-wt

Date Analyzed: 02/01/05 19:38

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 49.1 %

pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	14
205-99-2	Benzo (b) fluoranthene	6.5	24
50-32-8	Benzo (a) pyrene	6.5	14
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	10
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	64.0%	d5-Phenol	64.5%
2-Fluorophenol	53.3%	d4-2-Chlorophenol	61.9%
d4-1,2-Dichlorobenzene	59.6%	d5-Nitrobenzene	62.8%
2,4,6-Tribromophenol	69.6%	d14-p-Terphenyl	71.6%

ORGANICS ANALYSIS DATA SHEET
 PSDDA Semivolatiles by SW8270C GC/MS
 Page 1 of 2

Sample ID: LDW-SS126-010
 SAMPLE

Lab Sample ID: HQ17E
 LIMS ID: 05-1409
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/20/05
 Date Received: 01/21/05

Date Extracted: 01/28/05
 Date Analyzed: 02/07/05 18:42
 Instrument/Analyst: NT6/LJR
 GPC Cleanup: NO

Sample Amount: 25.1 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 5.00
 Percent Moisture: 47.8%
 pH: 7.4

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
106-46-7	1,4-Dichlorobenzene	100	< 100 U
100-51-6	Benzyl Alcohol	100	< 100 U
95-50-1	1,2-Dichlorobenzene	100	< 100 U
95-48-7	2-Methylphenol	100	< 100 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	100	< 100 U
106-44-5	4-Methylphenol	100	< 100 U
621-64-7	N-Nitroso-Di-N-Propylamine	500	< 500 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
105-67-9	2,4-Dimethylphenol	100	< 100 U
65-85-0	Benzoic Acid	1,000	< 1,000 U
111-91-1	bis(2-Chloroethoxy) Methane	100	< 100 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
120-82-1	1,2,4-Trichlorobenzene	100	< 100 U
91-20-3	Naphthalene	100	< 100 U
106-47-8	4-Chloroaniline	500	< 500 U
87-68-3	Hexachlorobutadiene	100	< 100 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS126-010
SAMPLE

Lab Sample ID: HQ17E
LIMS ID: 05-1409
Matrix: Sediment
Date Analyzed: 02/07/05 18:42

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	100	< 100 U
101-55-3	4-Bromophenyl-phenylether	100	< 100 U
118-74-1	Hexachlorobenzene	100	< 100 U
87-86-5	Pentachlorophenol	500	< 500 U
85-01-8	Phenanthrene	100	77 J
86-74-8	Carbazole	100	< 100 U
120-12-7	Anthracene	100	< 100 U
84-74-2	Di-n-Butylphthalate	100	< 100 U
206-44-0	Fluoranthene	100	420
129-00-0	Pyrene	100	320
85-68-7	Butylbenzylphthalate	100	60 J
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	100	110
117-81-7	bis (2-Ethylhexyl) phthalate	100	92 J
218-01-9	Chrysene	100	300
117-84-0	Di-n-Octyl phthalate	100	< 100 U
205-99-2	Benzo (b) fluoranthene	100	200
207-08-9	Benzo (k) fluoranthene	100	110
50-32-8	Benzo (a) pyrene	100	110
193-39-5	Indeno (1,2,3-cd) pyrene	100	55 J
53-70-3	Dibenz (a,h) anthracene	100	< 100 U
191-24-2	Benzo (g,h,i) perylene	100	< 100 U
62-53-3	Aniline	100	< 100 U
62-75-9	N-Nitrosodimethylamine	500	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.8%	2-Fluorobiphenyl	66.2%
d14-p-Terphenyl	80.8%	d4-1,2-Dichlorobenzene	58.6%
d5-Phenol	57.3%	2-Fluorophenol	56.1%
2,4,6-Tribromophenol	88.3%	d4-2-Chlorophenol	67.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS126-010
SAMPLE

Lab Sample ID: HQ17E
LIMS ID: 05-1409
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 02/01/05 20:10
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.60 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 47.8 %
pH: 7.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	12
205-99-2	Benzo (b) fluoranthene	6.6	17
50-32-8	Benzo (a) pyrene	6.6	13
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	9.2
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	66.8%	d5-Phenol	67.5%
2-Fluorophenol	56.8%	d4-2-Chlorophenol	62.9%
d4-1,2-Dichlorobenzene	61.6%	d5-Nitrobenzene	64.4%
2,4,6-Tribromophenol	70.1%	d14-p-Terphenyl	77.6%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS127-010
SAMPLE

Lab Sample ID: HQ17G
LIMS ID: 05-1411
Matrix: Sediment
Data Release Authorized:
Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 02/07/05 20:51
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 64.1%
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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	99	< 99 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
87-68-3	Hexachlorobutadiene	20	< 20 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	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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS127-010
SAMPLE

Lab Sample ID: HQ17G
LIMS ID: 05-1411
Matrix: Sediment
Date Analyzed: 02/07/05 20:51

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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	32
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	Phenanthrene	20	530
86-74-8	Carbazole	20	91
120-12-7	Anthracene	20	60
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	1,100
129-00-0	Pyrene	20	910
85-68-7	Butylbenzylphthalate	20	20
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	400
117-81-7	bis (2-Ethylhexyl) phthalate	20	140
218-01-9	Chrysene	20	690
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	720
207-08-9	Benzo (k) fluoranthene	20	430
50-32-8	Benzo (a) pyrene	20	450
193-39-5	Indeno (1,2,3-cd) pyrene	20	200
53-70-3	Dibenz (a,h) anthracene	20	28
191-24-2	Benzo (g,h,i) perylene	20	170
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.8%	2-Fluorobiphenyl	65.6%
d14-p-Terphenyl	67.2%	d4-1,2-Dichlorobenzene	57.2%
d5-Phenol	60.8%	2-Fluorophenol	58.9%
2,4,6-Tribromophenol	84.0%	d4-2-Chlorophenol	68.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS128-010
SAMPLE

Lab Sample ID: HQ48J
LIMS ID: 05-1651
Matrix: Sediment
Data Release Authorized:
Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/08/05 21:24
Instrument/Analyst: NT4/LJR
GPC Cleanup: NO

Sample Amount: 25.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 63.2%
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
106-46-7	1,4-Dichlorobenzene	100	< 100 U
100-51-6	Benzyl Alcohol	100	< 100 U
95-50-1	1,2-Dichlorobenzene	100	< 100 U
95-48-7	2-Methylphenol	100	< 100 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	100	< 100 U
106-44-5	4-Methylphenol	100	< 100 U
621-64-7	N-Nitroso-Di-N-Propylamine	500	< 500 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
105-67-9	2,4-Dimethylphenol	100	< 100 U
65-85-0	Benzoic Acid	1,000	< 1,000 U
111-91-1	bis(2-Chloroethoxy) Methane	100	< 100 U
120-83-2	2,4-Dichlorophenol	500	< 500 U
120-82-1	1,2,4-Trichlorobenzene	100	< 100 U
91-20-3	Naphthalene	100	< 100 U
106-47-8	4-Chloroaniline	500	< 500 U
87-68-3	Hexachlorobutadiene	100	< 100 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS128-010

SAMPLE

Lab Sample ID: HQ48J

QC Report No: HQ48-Windward Environmental, LLC

LIMS ID: 05-1651

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 02/08/05 21:24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	100	< 100 U
101-55-3	4-Bromophenyl-phenylether	100	< 100 U
118-74-1	Hexachlorobenzene	100	< 100 U
87-86-5	Pentachlorophenol	500	< 500 U
85-01-8	Phenanthrene	100	440
86-74-8	Carbazole	100	90 J
120-12-7	Anthracene	100	59 J
84-74-2	Di-n-Butylphthalate	100	< 100 U
206-44-0	Fluoranthene	100	1,100
129-00-0	Pyrene	100	890
85-68-7	Butylbenzylphthalate	100	< 100 U
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	370
218-01-9	Chrysene	100	530
117-84-0	Di-n-Octyl phthalate	100	< 100 U
205-99-2	Benzo (b) fluoranthene	100	610
207-08-9	Benzo (k) fluoranthene	100	640
50-32-8	Benzo (a) pyrene	100	400
193-39-5	Indeno (1,2,3-cd) pyrene	100	120
53-70-3	Dibenz (a,h) anthracene	100	< 100 U
191-24-2	Benzo (g,h,i) perylene	100	110
62-53-3	Aniline	100	< 100 U
62-75-9	N-Nitrosodimethylamine	500	< 500 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	52.2%	2-Fluorobiphenyl	53.6%
d14-p-Terphenyl	62.2%	d4-1,2-Dichlorobenzene	44.8%
d5-Phenol	55.3%	2-Fluorophenol	51.3%
2,4,6-Tribromophenol	54.0%	d4-2-Chlorophenol	53.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS128-010
SAMPLE

Lab Sample ID: HU13P

LIMS ID: 05-3959

Matrix: Sediment

Data Release Authorized: *DR*

Reported: 03/07/05

QC Report No: HU13-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/17/05

Date Extracted: 03/03/05

Date Analyzed: 03/04/05 21:19

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 6.27 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 63.2 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	8.0	200
205-99-2	Benzo (b) fluoranthene	8.0	300
50-32-8	Benzo (a) pyrene	8.0	280
193-39-5	Indeno (1,2,3-cd) pyrene	8.0	220
106-46-7	1,4-Dichlorobenzene	8.0	< 8.0 U
120-82-1	1,2,4-Trichlorobenzene	8.0	< 8.0 U
118-74-1	Hexachlorobenzene	8.0	< 8.0 U
87-68-3	Hexachlorobutadiene	8.0	< 8.0 U
65-85-0	Benzoic Acid	80	220
131-11-3	Dimethylphthalate	8.0	13
84-66-2	Diethylphthalate	8.0	14 B
85-68-7	Butylbenzylphthalate	8.0	38
95-48-7	2-Methylphenol	8.0	< 8.0 U
105-67-9	2,4-Dimethylphenol	8.0	< 8.0 U
86-30-6	N-Nitrosodiphenylamine	8.0	< 8.0 U
100-51-6	Benzyl Alcohol	40	< 40 U
87-86-5	Pentachlorophenol	40	< 40 U
195-50-1	1,2-Dichlorobenzene	8.0	< 8.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	40	< 40 U
62-75-9	N-Nitrosodimethylamine	40	< 40 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	56.8%	d5-Phenol	59.2%
2-Fluorophenol	47.5%	d4-2-Chlorophenol	59.2%
d4-1,2-Dichlorobenzene	49.2%	d5-Nitrobenzene	48.8%
2,4,6-Tribromophenol	72.0%	d14-p-Terphenyl	54.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS129-010

SAMPLE

Lab Sample ID: HQ17I

LIMS ID: 05-1413

Matrix: Sediment

Data Release Authorized:

Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Date Extracted: 01/28/05

Date Analyzed: 02/08/05 14:04

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 44.6%

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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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	34
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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS129-010

SAMPLE

Lab Sample ID: HQ17I

LIMS ID: 05-1413

Matrix: Sediment

Date Analyzed: 02/08/05 14:04

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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	42
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	790
86-74-8	Carbazole	20	130
120-12-7	Anthracene	20	66
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	1,500
129-00-0	Pyrene	20	1,100
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	490
117-81-7	bis (2-Ethylhexyl)phthalate	20	170
218-01-9	Chrysene	20	910
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	970
207-08-9	Benzo (k) fluoranthene	20	460
50-32-8	Benzo (a) pyrene	20	580
193-39-5	Indeno (1,2,3-cd) pyrene	20	340
53-70-3	Dibenz (a,h) anthracene	20	110
191-24-2	Benzo (g,h,i) perylene	20	300
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	69.2%
d14-p-Terphenyl	59.6%	d4-1,2-Dichlorobenzene	59.6%
d5-Phenol	57.6%	2-Fluorophenol	58.7%
2,4,6-Tribromophenol	76.0%	d4-2-Chlorophenol	65.1%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS129-010
SAMPLE

Lab Sample ID: HQ17I
LIMS ID: 05-1413
Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 02/01/05 20:43
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.78 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 44.6 %
pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	100
205-99-2	Benzo (b) fluoranthene	6.4	180
50-32-8	Benzo (a) pyrene	6.4	130
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	110
106-46-7	1,4-Dichlorobenzene	6.4	< 6.4 U
120-82-1	1,2,4-Trichlorobenzene	6.4	< 6.4 U
118-74-1	Hexachlorobenzene	6.4	< 6.4 U
87-68-3	Hexachlorobutadiene	6.4	< 6.4 U
65-85-0	Benzoic Acid	64	< 64 U
131-11-3	Dimethylphthalate	6.4	< 6.4 U
84-66-2	Diethylphthalate	6.4	8.4
85-68-7	Butylbenzylphthalate	6.4	< 6.4 U
95-48-7	2-Methylphenol	6.4	< 6.4 U
105-67-9	2,4-Dimethylphenol	6.4	< 6.4 U
86-30-6	N-Nitrosodiphenylamine	6.4	< 6.4 U
100-51-6	Benzyl Alcohol	32	< 32 U
87-86-5	Pentachlorophenol	32	< 32 U
95-50-1	1,2-Dichlorobenzene	6.4	< 6.4 U
621-64-7	N-Nitroso-Di-N-Propylamine	32	< 32 U
62-75-9	N-Nitrosodimethylamine	32	< 32 U


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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	73.6%	d5-Phenol	68.5%
2-Fluorophenol	65.3%	d4-2-Chlorophenol	70.4%
d4-1,2-Dichlorobenzene	64.0%	d5-Nitrobenzene	71.2%
2,4,6-Tribromophenol	77.9%	d14-p-Terphenyl	78.4%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS130-010
SAMPLE

Lab Sample ID: HQ17H
LIMS ID: 05-1412
Matrix: Sediment
Data Release Authorized: 
Reported: 02/11/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 02/07/05 21:23
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 57.7%
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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS130-010
SAMPLE

Lab Sample ID: HQ17H
LIMS ID: 05-1412
Matrix: Sediment
Date Analyzed: 02/07/05 21:23

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	Phenanthrene	20	280
86-74-8	Carbazole	20	51
120-12-7	Anthracene	20	30
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	700
129-00-0	Pyrene	20	510
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	220
117-81-7	bis(2-Ethylhexyl)phthalate	20	72
218-01-9	Chrysene	20	400
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	390
207-08-9	Benzo(k)fluoranthene	20	270
50-32-8	Benzo(a)pyrene	20	260
193-39-5	Indeno(1,2,3-cd)pyrene	20	100
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	86
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	NV


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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	61.6%	2-Fluorobiphenyl	68.0%
d14-p-Terphenyl	68.4%	d4-1,2-Dichlorobenzene	62.8%
d5-Phenol	62.4%	2-Fluorophenol	60.0%
2,4,6-Tribromophenol	92.5%	d4-2-Chlorophenol	70.4%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 1 of 2

Sample ID: LDW-SS134-010
SAMPLE

Lab Sample ID: HQ48V
 LIMS ID: 05-1663
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/10/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 01/31/05
 Date Analyzed: 02/08/05 15:19
 Instrument/Analyst: NT4/LJR
 GPC Cleanup: NO

Sample Amount: 26.0 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 26.5%
 pH: 8.2

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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
621-64-7	N-Nitroso-Di-N-Propylamine	96	< 96 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
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	96	< 96 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	96	< 96 U
87-68-3	Hexachlorobutadiene	19	< 19 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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS134-010
SAMPLE

Lab Sample ID: HQ48V
LIMS ID: 05-1663
Matrix: Sediment
Date Analyzed: 02/08/05 15:19

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	96	< 96 U
85-01-8	Phenanthrene	19	< 19 U
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	< 19 U
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	< 19 U
129-00-0	Pyrene	19	< 19 U
85-68-7	Butylbenzylphthalate	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
62-75-9	N-Nitrosodimethylamine	96	< 96 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	59.6%	2-Fluorobiphenyl	61.2%
d14-p-Terphenyl	70.4%	d4-1,2-Dichlorobenzene	53.2%
d5-Phenol	64.3%	2-Fluorophenol	57.9%
2,4,6-Tribromophenol	68.3%	d4-2-Chlorophenol	61.9%

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ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS142-010
SAMPLE

Lab Sample ID: HQ48K
LIMS ID: 05-1652
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/01/05
Date Analyzed: 02/08/05 21:58
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: 47.4%
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
106-46-7	1,4-Dichlorobenzene	99	< 99 U
100-51-6	Benzyl Alcohol	99	< 99 U
95-50-1	1,2-Dichlorobenzene	99	< 99 U
95-48-7	2-Methylphenol	99	< 99 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	< 99 U
106-44-5	4-Methylphenol	99	< 99 U
621-64-7	N-Nitroso-Di-N-Propylamine	490	< 490 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
105-67-9	2,4-Dimethylphenol	99	< 99 U
65-85-0	Benzoic Acid	990	< 990 U
111-91-1	bis(2-Chloroethoxy) Methane	99	< 99 U
120-83-2	2,4-Dichlorophenol	490	< 490 U
120-82-1	1,2,4-Trichlorobenzene	99	< 99 U
91-20-3	Naphthalene	99	< 99 U
106-47-8	4-Chloroaniline	490	< 490 U
87-68-3	Hexachlorobutadiene	99	< 99 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	160
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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS142-010
SAMPLE

Lab Sample ID: HQ48K
LIMS ID: 05-1652
Matrix: Sediment
Date Analyzed: 02/08/05 21:58

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	99	< 99 U
101-55-3	4-Bromophenyl-phenylether	99	< 99 U
118-74-1	Hexachlorobenzene	99	< 99 U
87-86-5	Pentachlorophenol	490	< 490 U
85-01-8	Phenanthrene	99	120
86-74-8	Carbazole	99	< 99 U
120-12-7	Anthracene	99	< 99 U
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	270
129-00-0	Pyrene	99	230
85-68-7	Butylbenzylphthalate	99	< 99 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo(a)anthracene	99	< 99 U
117-81-7	bis(2-Ethylhexyl)phthalate	99	240
218-01-9	Chrysene	99	130
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	150
50-32-8	Benzo(a)pyrene	99	95 J
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
62-75-9	N-Nitrosodimethylamine	490	< 490 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.8%	2-Fluorobiphenyl	66.4%
d14-p-Terphenyl	76.8%	d4-1,2-Dichlorobenzene	55.2%
d5-Phenol	68.1%	2-Fluorophenol	60.8%
2,4,6-Tribromophenol	66.0%	d4-2-Chlorophenol	64.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS142-010
SAMPLE

Lab Sample ID: HQ48K

LIMS ID: 05-1652

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/04/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/01/05

Date Analyzed: 02/03/05 18:03

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.63 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 47.4 %

pH: 7.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	14
205-99-2	Benzo (b) fluoranthene	6.6	18
50-32-8	Benzo (a) pyrene	6.6	16
193-39-5	Indeno (1,2,3-cd)pyrene	6.6	12
106-46-7	1,4-Dichlorobenzene	6.6	< 6.6 U
120-82-1	1,2,4-Trichlorobenzene	6.6	< 6.6 U
118-74-1	Hexachlorobenzene	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	< 66 U
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	< 6.6 U
95-48-7	2-Methylphenol	6.6	< 6.6 U
105-67-9	2,4-Dimethylphenol	6.6	< 6.6 U
86-30-6	N-Nitrosodiphenylamine	6.6	< 6.6 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.6	< 6.6 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	71.6%	d5-Phenol	72.0%
2-Fluorophenol	77.1%	d4-2-Chlorophenol	72.0%
d4-1,2-Dichlorobenzene	66.4%	d5-Nitrobenzene	75.2%
2,4,6-Tribromophenol	84.3%	d14-p-Terphenyl	81.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS143-010

SAMPLE

Lab Sample ID: HQ57C

LIMS ID: 05-1738

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/11/05

QC Report No: HQ57-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/26/05

Date Received: 01/26/05

Date Extracted: 02/04/05

Date Analyzed: 02/09/05 18:27

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 3.00

Percent Moisture: 45.4%

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
106-46-7	1,4-Dichlorobenzene	120	< 120 U
100-51-6	Benzyl Alcohol	120	< 120 U
95-50-1	1,2-Dichlorobenzene	120	< 120 U
95-48-7	2-Methylphenol	120	< 120 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	120	< 120 U
106-44-5	4-Methylphenol	120	< 120 U
621-64-7	N-Nitroso-Di-N-Propylamine	590	< 590 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	590	< 590 U
105-67-9	2,4-Dimethylphenol	120	< 120 U
65-85-0	Benzoic Acid	1,200	< 1,200 U
111-91-1	bis(2-Chloroethoxy) Methane	120	< 120 U
120-83-2	2,4-Dichlorophenol	590	< 590 U
120-82-1	1,2,4-Trichlorobenzene	120	< 120 U
91-20-3	Naphthalene	120	< 120 U
106-47-8	4-Chloroaniline	590	< 590 U
87-68-3	Hexachlorobutadiene	120	< 120 U
59-50-7	4-Chloro-3-methylphenol	590	< 590 U
91-57-6	2-Methylnaphthalene	120	< 120 U
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

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-SS143-010
SAMPLE

Lab Sample ID: HQ57C
LIMS ID: 05-1738
Matrix: Sediment
Date Analyzed: 02/09/05 18:27

QC Report No: HQ57-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RL	Result
208-96-8	Acenaphthylene	120	< 120 U
99-09-2	3-Nitroaniline	590	< 590 U
83-32-9	Acenaphthene	120	< 120 U
51-28-5	2,4-Dinitrophenol	1,200	< 1,200 U
100-02-7	4-Nitrophenol	590	< 590 U
132-64-9	Dibenzofuran	120	< 120 U
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
86-73-7	Fluorene	120	< 120 U
100-01-6	4-Nitroaniline	590	< 590 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,200	< 1,200 U
86-30-6	N-Nitrosodiphenylamine	120	< 120 U
101-55-3	4-Bromophenyl-phenylether	120	< 120 U
118-74-1	Hexachlorobenzene	120	< 120 U
87-86-5	Pentachlorophenol	590	< 590 U
85-01-8	Phenanthrene	120	64 J
86-74-8	Carbazole	120	< 120 U
120-12-7	Anthracene	120	< 120 U
84-74-2	Di-n-Butylphthalate	120	< 120 U
206-44-0	Fluoranthene	120	180
129-00-0	Pyrene	120	130
85-68-7	Butylbenzylphthalate	120	< 120 U
91-94-1	3,3'-Dichlorobenzidine	590	< 590 U
56-55-3	Benzo (a) anthracene	120	< 120 U
117-81-7	bis (2-Ethylhexyl) phthalate	120	< 120 U
218-01-9	Chrysene	120	97 J
117-84-0	Di-n-Octyl phthalate	120	< 120 U
205-99-2	Benzo (b) fluoranthene	120	62 J
207-08-9	Benzo (k) fluoranthene	120	< 120 U
50-32-8	Benzo (a) pyrene	120	64 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
62-75-9	N-Nitrosodimethylamine	590	NV

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	82.3%	2-Fluorobiphenyl	89.3%
d14-p-Terphenyl	93.4%	d4-1,2-Dichlorobenzene	87.6%
d5-Phenol	75.8%	2-Fluorophenol	77.0%
2,4,6-Tribromophenol	103%	d4-2-Chlorophenol	90.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
Page 1 of 1

Sample ID: LDW-SS143-010
SAMPLE

Lab Sample ID: HQ57C
LIMS ID: 05-1738
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 02/07/05

QC Report No: HQ57-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/26/05
Date Received: 01/26/05

Date Extracted: 02/01/05
Date Analyzed: 02/04/05 16:14
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.66 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 45.4 %
pH: 7.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	21
205-99-2	Benzo (b) fluoranthene	6.5	20
50-32-8	Benzo (a) pyrene	6.5	22
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	18
106-46-7	1,4-Dichlorobenzene	6.5	< 6.5 U
120-82-1	1,2,4-Trichlorobenzene	6.5	< 6.5 U
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Benzoic Acid	65	< 65 U
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	< 6.5 U
95-48-7	2-Methylphenol	6.5	< 6.5 U
105-67-9	2,4-Dimethylphenol	6.5	< 6.5 U
86-30-6	N-Nitrosodiphenylamine	6.5	< 6.5 U
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.5	< 6.5 U
621-64-7	N-Nitroso-Di-N-Propylamine	33	< 33 U
62-75-9	N-Nitrosodimethylamine	33	< 33 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	80.8%	d5-Phenol	82.4%
2-Fluorophenol	77.3%	d4-2-Chlorophenol	82.7%
d4-1,2-Dichlorobenzene	70.8%	d5-Nitrobenzene	74.4%
2,4,6-Tribromophenol	87.7%	d14-p-Terphenyl	82.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SSCR20-010

SAMPLE

Lab Sample ID: HQ93A

LIMS ID: 05-2010

Matrix: Sediment

Data Release Authorized: *AD*

Reported: 02/11/05

QC Report No: HQ93-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/28/05

Date Received: 01/29/05

Date Extracted: 02/04/05

Date Analyzed: 02/09/05 19:00

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 34.2%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	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
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	99	< 99 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
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
87-68-3	Hexachlorobutadiene	20	< 20 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SSCR20-010

SAMPLE

Lab Sample ID: HQ93A

LIMS ID: 05-2010

Matrix: Sediment

Date Analyzed: 02/09/05 19:00

QC Report No: HQ93-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	Phenanthrene	20	< 20 U
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
85-68-7	Butylbenzylphthalate	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
62-75-9	N-Nitrosodimethylamine	99	NV

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.2%	2-Fluorobiphenyl	87.2%
d14-p-Terphenyl	80.4%	d4-1,2-Dichlorobenzene	79.6%
d5-Phenol	74.1%	2-Fluorophenol	76.5%
2,4,6-Tribromophenol	103%	d4-2-Chlorophenol	84.3%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
 Page 1 of 2

Sample ID: LDW-SSCR23-010
SAMPLE

Lab Sample ID: HQ93B
 LIMS ID: 05-2011
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/11/05

QC Report No: HQ93-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/28/05
 Date Received: 01/29/05

Date Extracted: 02/04/05
 Date Analyzed: 02/09/05 19:32
 Instrument/Analyst: NT6/LJR
 GPC Cleanup: NO

Sample Amount: 26.1 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 30.6%
 pH: 7.4

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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
621-64-7	N-Nitroso-Di-N-Propylamine	96	< 96 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
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	96	< 96 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	96	< 96 U
87-68-3	Hexachlorobutadiene	19	< 19 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

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SSCR23-010

SAMPLE

Lab Sample ID: HQ93B

LIMS ID: 05-2011

Matrix: Sediment

Date Analyzed: 02/09/05 19:32

QC Report No: HQ93-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
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
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	96	< 96 U
85-01-8	Phenanthrene	19	< 19 U
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	< 19 U
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	< 19 U
129-00-0	Pyrene	19	< 19 U
85-68-7	Butylbenzylphthalate	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
62-75-9	N-Nitrosodimethylamine	96	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.8%	2-Fluorobiphenyl	88.0%
d14-p-Terphenyl	82.0%	d4-1,2-Dichlorobenzene	79.6%
d5-Phenol	74.7%	2-Fluorophenol	75.5%
2,4,6-Tribromophenol	107%	d4-2-Chlorophenol	84.3%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-MSMP43-010
SAMPLE

Lab Sample ID: HQ93C
LIMS ID: 05-2012
Matrix: Sediment
Data Release Authorized: *MB*
Reported: 02/11/05

QC Report No: HQ93-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/28/05
Date Received: 01/29/05

Date Extracted: 02/04/05
Date Analyzed: 02/09/05 20:04
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 26.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 20.1%
pH: 7.1

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
106-46-7	1,4-Dichlorobenzene	19	< 19 U
100-51-6	Benzyl Alcohol	19	< 19 U
95-50-1	1,2-Dichlorobenzene	19	< 19 U
95-48-7	2-Methylphenol	19	< 19 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	19	< 19 U
106-44-5	4-Methylphenol	19	< 19 U
621-64-7	N-Nitroso-Di-N-Propylamine	95	< 95 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	95	< 95 U
105-67-9	2,4-Dimethylphenol	19	< 19 U
65-85-0	Benzoic Acid	190	< 190 U
111-91-1	bis(2-Chloroethoxy) Methane	19	< 19 U
120-83-2	2,4-Dichlorophenol	95	< 95 U
120-82-1	1,2,4-Trichlorobenzene	19	< 19 U
91-20-3	Naphthalene	19	< 19 U
106-47-8	4-Chloroaniline	95	< 95 U
87-68-3	Hexachlorobutadiene	19	< 19 U
59-50-7	4-Chloro-3-methylphenol	95	< 95 U
91-57-6	2-Methylnaphthalene	19	< 19 U
77-47-4	Hexachlorocyclopentadiene	95	< 95 U
88-06-2	2,4,6-Trichlorophenol	95	< 95 U
95-95-4	2,4,5-Trichlorophenol	95	< 95 U
91-58-7	2-Chloronaphthalene	19	< 19 U
88-74-4	2-Nitroaniline	95	< 95 U
131-11-3	Dimethylphthalate	19	< 19 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS
Page 2 of 2

Sample ID: LDW-MSMP43-010
SAMPLE

Lab Sample ID: HQ93C
LIMS ID: 05-2012
Matrix: Sediment
Date Analyzed: 02/09/05 20:04

QC Report No: HQ93-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RI	Result
208-96-8	Acenaphthylene	19	< 19 U
99-09-2	3-Nitroaniline	95	< 95 U
83-32-9	Acenaphthene	19	< 19 U
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	95	< 95 U
132-64-9	Dibenzofuran	19	< 19 U
606-20-2	2,6-Dinitrotoluene	95	< 95 U
121-14-2	2,4-Dinitrotoluene	95	< 95 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	95	< 95 U
534-52-1	4,6-Dinitro-2-Methylphenol	190	< 190 U
86-30-6	N-Nitrosodiphenylamine	19	< 19 U
101-55-3	4-Bromophenyl-phenylether	19	< 19 U
118-74-1	Hexachlorobenzene	19	< 19 U
87-86-5	Pentachlorophenol	95	< 95 U
85-01-8	Phenanthrene	19	< 19 U
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	< 19 U
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	< 19 U
129-00-0	Pyrene	19	< 19 U
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	95	< 95 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
62-75-9	N-Nitrosodimethylamine	95	NV

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	75.6%	2-Fluorobiphenyl	84.4%
d14-p-Terphenyl	79.2%	d4-1,2-Dichlorobenzene	78.4%
d5-Phenol	72.3%	2-Fluorophenol	74.9%
2,4,6-Tribromophenol	101%	d4-2-Chlorophenol	82.1%

LDW and reference surface sediment samples: PCBs

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: LDW-SS1-010
SAMPLE

Lab Sample ID: HP67A
LIMS ID: 05-1082
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 02/01/05

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 01/24/05
Date Analyzed: 01/28/05 20:09
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 26.0 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.1
Percent Moisture: 22.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	32
11097-69-1	Aroclor 1254	19	79
11096-82-5	Aroclor 1260	19	50
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	38	< 38 Y

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

PCB Surrogate Recovery

Decachlorobiphenyl	130%
Tetrachlorometaxylene	92.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS4-010

SAMPLE

Lab Sample ID: HP67B

LIMS ID: 05-1083

Matrix: Sediment

Data Release Authorized:

Reported: 02/01/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 01/28/05 20:30

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.2

Percent Moisture: 54.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	41
11097-69-1	Aroclor 1254	20	62
11096-82-5	Aroclor 1260	20	50
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	234%
Tetrachlorometaxylene	136%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS5-010

SAMPLE

Lab Sample ID: HP67C

LIMS ID: 05-1084

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 02/01/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 01/28/05 20:50

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.4

Percent Moisture: 23.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	< 20 U
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	115%
Tetrachlorometaxylene	89.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS10-010
SAMPLE

Lab Sample ID: HP67D
 LIMS ID: 05-1085
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/01/05

QC Report No: HP67-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/17/05
 Date Received: 01/17/05

Date Extracted: 01/24/05
 Date Analyzed: 01/28/05 21:51
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.8 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.4
 Percent Moisture: 51.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	31
11096-82-5	Aroclor 1260	19	< 19 U
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	106%
Tetrachlorometaxylene	69.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS12-010
SAMPLE

Lab Sample ID: HP67E
 LIMS ID: 05-1086
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/01/05 *AB*

QC Report No: HP67-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/17/05
 Date Received: 01/17/05

Date Extracted: 01/24/05
 Date Analyzed: 01/28/05 22:11
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.8 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.5
 Percent Moisture: 40.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	45
11097-69-1	Aroclor 1254	19	77
11096-82-5	Aroclor 1260	19	49
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	122%
Tetrachlorometaxylene	72.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS13-010

SAMPLE

Lab Sample ID: HP67J

LIMS ID: 05-1091

Matrix: Sediment

Data Release Authorized:

Reported: 02/01/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 01/28/05 23:32

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 30.4 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.4

Percent Moisture: 46.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	16	< 16 U
53469-21-9	Aroclor 1242	16	32
12672-29-6	Aroclor 1248	16	< 16 U
11097-69-1	Aroclor 1254	16	79
11096-82-5	Aroclor 1260	16	80
11104-28-2	Aroclor 1221	16	< 16 U
11141-16-5	Aroclor 1232	16	< 16 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	113%
Tetrachlorometaxylene	71.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS14-010

SAMPLE

Lab Sample ID: HP67F

LIMS ID: 05-1087

Matrix: Sediment

Data Release Authorized:

Reported: 02/01/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 01/28/05 22:32

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.4

Percent Moisture: 19.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	30
11097-69-1	Aroclor 1254	20	20 J
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	121%
Tetrachlorometaxylene	87.2%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: LDW-SS15-010
SAMPLE

Lab Sample ID: HP67G
LIMS ID: 05-1088
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/01/05

QC Report No: HP67-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 01/24/05
Date Analyzed: 01/28/05 22:52
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.3
Percent Moisture: 50.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	35
11097-69-1	Aroclor 1254	20	56
11096-82-5	Aroclor 1260	20	37 P
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	105%
Tetrachlorometaxylene	67.8%

ORGANICS ANALYSIS DATA SHEET
 PSDDA PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS17-010
 SAMPLE

Lab Sample ID: HQ48A
 LIMS ID: 05-1642
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/02/05
 Date Analyzed: 02/03/05 13:07
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.5 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.0
 Percent Moisture: 42.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	31
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	54
11096-82-5	Aroclor 1260	20	35
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	122%
Tetrachlorometaxylene	72.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS22-010

SAMPLE

Lab Sample ID: HP67I

LIMS ID: 05-1090

Matrix: Sediment

Data Release Authorized:

Reported: 02/01/05

QC Report No: HP67-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/17/05

Date Received: 01/17/05

Date Extracted: 01/24/05

Date Analyzed: 01/28/05 23:12

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.6

Percent Moisture: 31.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	100 P
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	98
11096-82-5	Aroclor 1260	19	54
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	108%
Tetrachlorometaxylene	59.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1


Sample ID: LDW-SS23-010

SAMPLE

Lab Sample ID: HP70B

LIMS ID: 05-1099

Matrix: Sediment

Data Release Authorized: 

Reported: 02/01/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 01/31/05 19:11

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 26.2 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.5

Percent Moisture: 22.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	30
11096-82-5	Aroclor 1260	19	30
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	125%
Tetrachlorometaxylene	87.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: LDW-SS26-010
SAMPLE

Lab Sample ID: HP70C
LIMS ID: 05-1100
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 02/01/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/24/05
Date Analyzed: 01/31/05 19:31
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 6.66 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.3
Percent Moisture: 46.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	75	< 75 U
53469-21-9	Aroclor 1242	75	220
12672-29-6	Aroclor 1248	75	< 75 U
11097-69-1	Aroclor 1254	75	270
11096-82-5	Aroclor 1260	75	160
11104-28-2	Aroclor 1221	75	< 75 U
11141-16-5	Aroclor 1232	75	< 75 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	125%
Tetrachlorometaxylene	75.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS27-010

SAMPLE

Lab Sample ID: HP70D

LIMS ID: 05-1101

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 02/01/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 01/31/05 19:51

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.4

Percent Moisture: 53.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	21 J
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	32
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	74.8%
Tetrachlorometaxylene	57.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS200-010

SAMPLE

Lab Sample ID: HP70E

LIMS ID: 05-1102

Matrix: Sediment

Data Release Authorized: *MB*

Reported: 02/01/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 01/31/05 20:12

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.3

Percent Moisture: 53.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	23
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	37
11096-82-5	Aroclor 1260	20	40
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	115%
Tetrachlorometaxylene	78.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS28-010
 SAMPLE

Lab Sample ID: HQ48U
 LIMS ID: 05-1662
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/02/05
 Date Analyzed: 02/05/05 07:51
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.2
 Percent Moisture: 39.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	29
11097-69-1	Aroclor 1254	20	51
11096-82-5	Aroclor 1260	20	32
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	114%
Tetrachlorometaxylene	88.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LDW-SS31-010

SAMPLE

Lab Sample ID: HQ27G

LIMS ID: 05-1485

Matrix: Sediment

Data Release Authorized: 

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 02/01/05

Date Analyzed: 02/02/05 22:20

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.3

Percent Moisture: 53.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	39	< 39 Y
11097-69-1	Aroclor 1254	20	53
11096-82-5	Aroclor 1260	20	43
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	114%
Tetrachlorometaxylene	71.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS32-010
SAMPLE

Lab Sample ID: HP70F
 LIMS ID: 05-1103
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/01/05

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/18/05
 Date Received: 01/18/05

Date Extracted: 01/24/05
 Date Analyzed: 01/31/05 20:32
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.7 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.5
 Percent Moisture: 50.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	22 J
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	56
11096-82-5	Aroclor 1260	19	44
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	75.5%
Tetrachlorometaxylene	47.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: LDW-SS33-010
SAMPLE

Lab Sample ID: HQ57A
LIMS ID: 05-1736
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 02/04/05

QC Report No: HQ57-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/26/05
Date Received: 01/26/05

Date Extracted: 02/01/05
Date Analyzed: 02/03/05 00:02
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.0
Percent Moisture: 33.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	26
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	114%
Tetrachlorometaxylene	91.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: LDW-SS36-010
SAMPLE

Lab Sample ID: HQ48Q
LIMS ID: 05-1658
Matrix: Sediment
Data Release Authorized:
Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/02/05
Date Analyzed: 02/05/05 06:30
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.0
Percent Moisture: 55.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	24
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	127%
Tetrachlorometaxylene	81.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS37-010
SAMPLE

Lab Sample ID: HP70G
 LIMS ID: 05-1104
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/01/05

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/18/05
 Date Received: 01/18/05

Date Extracted: 01/24/05
 Date Analyzed: 01/31/05 20:52
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 1.40 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 3.00
 Silica Gel: No
 pH: 7.5
 Percent Moisture: 44.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	1,100	< 1,100 U
53469-21-9	Aroclor 1242	2,100	< 2,100 Y
12672-29-6	Aroclor 1248	4,300	< 4,300 Y
11097-69-1	Aroclor 1254	1,100	3,300
11096-82-5	Aroclor 1260	1,100	1,800
11104-28-2	Aroclor 1221	1,100	< 1,100 U
11141-16-5	Aroclor 1232	1,100	< 1,100 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	123%
Tetrachlorometaxylene	82.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS38-010
SAMPLE

Lab Sample ID: HP70H
 LIMS ID: 05-1105
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/01/05 

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/18/05
 Date Received: 01/18/05

Date Extracted: 01/24/05
 Date Analyzed: 01/31/05 21:12
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.2
 Percent Moisture: 53.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	23
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	50
11096-82-5	Aroclor 1260	20	42
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	82.0%
Tetrachlorometaxylene	53.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: LDW-SS40-010
SAMPLE

Lab Sample ID: HP70I
LIMS ID: 05-1106
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 02/01/05

QC Report No: HP70-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Date Extracted: 01/24/05
Date Analyzed: 01/31/05 21:32
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 12.8 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.7
Percent Moisture: 42.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	39	< 39 U
53469-21-9	Aroclor 1242	39	170 P
12672-29-6	Aroclor 1248	39	< 39 U
11097-69-1	Aroclor 1254	39	220
11096-82-5	Aroclor 1260	39	120
11104-28-2	Aroclor 1221	39	< 39 U
11141-16-5	Aroclor 1232	39	< 39 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	121%
Tetrachlorometaxylene	76.2%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: LDW-SS42-010
SAMPLE

Lab Sample ID: HQ48H
LIMS ID: 05-1649
Matrix: Sediment
Data Release Authorized:
Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/02/05
Date Analyzed: 02/05/05 03:07
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.5
Percent Moisture: 51.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	28
11097-69-1	Aroclor 1254	20	42
11096-82-5	Aroclor 1260	20	38
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	138%
Tetrachlorometaxylene	81.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LDW-SS43-010

SAMPLE

Lab Sample ID: HQ27A

LIMS ID: 05-1479

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 02/01/05

Date Analyzed: 02/02/05 19:38

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.0

Percent Moisture: 49.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	18 J
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	122%
Tetrachlorometaxylene	76.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS44-010
SAMPLE

Lab Sample ID: HQ27B
 LIMS ID: 05-1480
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 19:59
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.1
 Percent Moisture: 34.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	24 J
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	45
11096-82-5	Aroclor 1260	20	34
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	135%
Tetrachlorometaxylene	71.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS48-010

SAMPLE

Lab Sample ID: HP70J

LIMS ID: 05-1107

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/01/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 01/31/05 21:53

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.5

Percent Moisture: 36.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	21
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	61
11096-82-5	Aroclor 1260	20	49
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	119%
Tetrachlorometaxylene	68.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LDW-SS49-010

SAMPLE

Lab Sample ID: HQ57B

LIMS ID: 05-1737

Matrix: Sediment

Data Release Authorized: *MS*

Reported: 02/04/05

QC Report No: HQ57-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/26/05

Date Received: 01/26/05

Date Extracted: 02/01/05

Date Analyzed: 02/03/05 00:22

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 6.8

Percent Moisture: 46.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	40	< 40 Y
11097-69-1	Aroclor 1254	20	39
11096-82-5	Aroclor 1260	20	31
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	122%
Tetrachlorometaxylene	68.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS50-010
SAMPLE

Lab Sample ID: HQ48B
 LIMS ID: 05-1643
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/02/05
 Date Analyzed: 02/03/05 13:27
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.8 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.4
 Percent Moisture: 47.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	300 E
11097-69-1	Aroclor 1254	19	280 E
11096-82-5	Aroclor 1260	19	110
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	119%
Tetrachlorometaxylene	71.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: LDW-SS50-010
DILUTION

Lab Sample ID: HQ48B
LIMS ID: 05-1643
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/02/05
Date Analyzed: 02/04/05 10:30
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.8 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 3.00
Silica Gel: No
pH: 7.4
Percent Moisture: 47.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	58	< 58 U
53469-21-9	Aroclor 1242	58	< 58 U
12672-29-6	Aroclor 1248	58	330
11097-69-1	Aroclor 1254	58	320
11096-82-5	Aroclor 1260	58	140
11104-28-2	Aroclor 1221	58	< 58 U
11141-16-5	Aroclor 1232	58	< 58 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	128%
Tetrachlorometaxylene	84.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS202-010
 SAMPLE

Lab Sample ID: HQ48G
 LIMS ID: 05-1648
 Matrix: Sediment
 Data Release Authorized: *MS*
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/02/05
 Date Analyzed: 02/03/05 15:09
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.2 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.5
 Percent Moisture: 46.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	160
11097-69-1	Aroclor 1254	20	150
11096-82-5	Aroclor 1260	20	59
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	109%
Tetrachlorometaxylene	74.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS51-010

SAMPLE

Lab Sample ID: HP70K

LIMS ID: 05-1108

Matrix: Sediment

Data Release Authorized: *B*

Reported: 02/01/05

QC Report No: HP70-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/18/05

Date Received: 01/18/05

Date Extracted: 01/24/05

Date Analyzed: 01/31/05 22:13

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.4

Percent Moisture: 52.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	25
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	72
11096-82-5	Aroclor 1260	20	58
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	90.0%
Tetrachlorometaxylene	56.8%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS52-010

SAMPLE

Lab Sample ID: HQ56B

LIMS ID: 05-1728

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/02/05

Date Analyzed: 02/03/05 19:53

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.1 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 6.7

Percent Moisture: 53.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	65
11097-69-1	Aroclor 1254	20	84
11096-82-5	Aroclor 1260	20	60
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	112%
Tetrachlorometaxylene	71.5%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS54-010
SAMPLE

Lab Sample ID: HQ48F
LIMS ID: 05-1647
Matrix: Sediment
Data Release Authorized: 
Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/02/05
Date Analyzed: 02/03/05 14:48
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.3
Percent Moisture: 38.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	26
11097-69-1	Aroclor 1254	20	38
11096-82-5	Aroclor 1260	20	27
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	120%
Tetrachlorometaxylene	84.0%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS55-010

SAMPLE

Lab Sample ID: HQ48C

LIMS ID: 05-1644

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/02/05

Date Analyzed: 02/03/05 13:47

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.5

Percent Moisture: 38.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	24 J
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	123%
Tetrachlorometaxylene	77.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: LDW-SS56-010
SAMPLE

Lab Sample ID: HQ48T
 LIMS ID: 05-1661
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/02/05
 Date Analyzed: 02/05/05 07:31
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 5.02 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.3
 Percent Moisture: 33.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	100	< 100 U
53469-21-9	Aroclor 1242	100	< 100 U
12672-29-6	Aroclor 1248	100	< 100 U
11097-69-1	Aroclor 1254	100	500
11096-82-5	Aroclor 1260	100	250 P
11104-28-2	Aroclor 1221	100	< 100 U
11141-16-5	Aroclor 1232	100	< 100 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	151%
Tetrachlorometaxylene	80.5%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS57-010
SAMPLE

Lab Sample ID: HQ48S
LIMS ID: 05-1660
Matrix: Sediment
Data Release Authorized: 
Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/02/05
Date Analyzed: 02/05/05 07:11
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 6.48 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.2
Percent Moisture: 48.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	77	< 77 U
53469-21-9	Aroclor 1242	77	< 77 U
12672-29-6	Aroclor 1248	77	160
11097-69-1	Aroclor 1254	77	350
11096-82-5	Aroclor 1260	77	240
11104-28-2	Aroclor 1221	77	< 77 U
11141-16-5	Aroclor 1232	77	< 77 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	137%
Tetrachlorometaxylene	80.2%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS58-010

SAMPLE

Lab Sample ID: HQ48R

LIMS ID: 05-1659

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05 *AS*

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/02/05

Date Analyzed: 02/05/05 06:51

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.1

Percent Moisture: 49.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	84
11097-69-1	Aroclor 1254	20	120
11096-82-5	Aroclor 1260	20	59
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	130%
Tetrachlorometaxylene	83.5%

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Sample ID: LDW-SS-60-010
SAMPLE

Lab Sample ID: HP90E
LIMS ID: 05-1223
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 02/02/05

QC Report No: HP90-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Date Extracted: 01/26/05
Date Analyzed: 01/31/05 17:09
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.2
Percent Moisture: 27.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	55
11097-69-1	Aroclor 1254	20	110
11096-82-5	Aroclor 1260	20	80
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	136%
Tetrachlorometaxylene	72.8%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS63-010
SAMPLE

Lab Sample ID: HQ27I
LIMS ID: 05-1487
Matrix: Sediment
Data Release Authorized: 
Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Date Extracted: 02/01/05
Date Analyzed: 02/02/05 23:01
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.2
Percent Moisture: 33.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	39	< 39 Y
11097-69-1	Aroclor 1254	20	53
11096-82-5	Aroclor 1260	20	42
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	134%
Tetrachlorometaxylene	79.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LDW-SS64-010

SAMPLE

Lab Sample ID: HQ480

LIMS ID: 05-1656

Matrix: Sediment

Data Release Authorized:

Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/02/05

Date Analyzed: 02/05/05 05:49

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.1

Percent Moisture: 41.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	29
11097-69-1	Aroclor 1254	20	56
11096-82-5	Aroclor 1260	20	42
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	136%
Tetrachlorometaxylene	80.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LDW-SS67-010

SAMPLE

Lab Sample ID: HQ27H

LIMS ID: 05-1486

Matrix: Sediment

Data Release Authorized: 

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 02/01/05

Date Analyzed: 02/02/05 22:41

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 26.0 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.8

Percent Moisture: 24.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	36
11096-82-5	Aroclor 1260	19	< 19 U
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	124%
Tetrachlorometaxylene	86.5%

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Sample ID: LDW-SS70-010
SAMPLE

Lab Sample ID: HQ27J
 LIMS ID: 05-1488
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 23:21
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.3 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.2
 Percent Moisture: 44.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	40	< 40 Y
11097-69-1	Aroclor 1254	20	46
11096-82-5	Aroclor 1260	20	50
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	116%
Tetrachlorometaxylene	73.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LDW-SS72-010

SAMPLE

Lab Sample ID: HQ48D

LIMS ID: 05-1645

Matrix: Sediment

Data Release Authorized: 

Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/02/05

Date Analyzed: 02/03/05 14:08

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.5

Percent Moisture: 55.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	22
11097-69-1	Aroclor 1254	20	32
11096-82-5	Aroclor 1260	20	28 J
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	119%
Tetrachlorometaxylene	77.8%

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Sample ID: LDW-SS75-010
SAMPLE

Lab Sample ID: HQ27K
 LIMS ID: 05-1489
 Matrix: Sediment
 Data Release Authorized: *AS*
 Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 23:42
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 7.31 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.2
 Percent Moisture: 41.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	68	< 68 U
53469-21-9	Aroclor 1242	68	< 68 U
12672-29-6	Aroclor 1248	68	< 68 U
11097-69-1	Aroclor 1254	68	170
11096-82-5	Aroclor 1260	68	350
11104-28-2	Aroclor 1221	68	< 68 U
11141-16-5	Aroclor 1232	68	< 68 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	124%
Tetrachlorometaxylene	81.0%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS76-010
SAMPLE

Lab Sample ID: HQ17K
 LIMS ID: 05-1415
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/03/05 *AB*

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/20/05
 Date Received: 01/21/05

Date Extracted: 01/29/05
 Date Analyzed: 02/01/05 16:50
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.3 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.1
 Percent Moisture: 52.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	31
11097-69-1	Aroclor 1254	20	46
11096-82-5	Aroclor 1260	20	40
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	114%
Tetrachlorometaxylene	79.8%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS79-010
SAMPLE

Lab Sample ID: HQ48E
LIMS ID: 05-1646
Matrix: Sediment
Data Release Authorized:
Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/02/05
Date Analyzed: 02/03/05 14:28
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.2
Percent Moisture: 45.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	32
11097-69-1	Aroclor 1254	20	36
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	120%
Tetrachlorometaxylene	92.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS83-010

SAMPLE

Lab Sample ID: HQ48P

LIMS ID: 05-1657

Matrix: Sediment

Data Release Authorized: 

Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/24/05

Date Received: 01/24/05

Date Extracted: 02/02/05

Date Analyzed: 02/05/05 06:10

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.2

Percent Moisture: 49.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	20 J
11097-69-1	Aroclor 1254	19	38
11096-82-5	Aroclor 1260	19	39
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	116%
Tetrachlorometaxylene	74.5%

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 PSDDA PCB by GC/ECD
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Sample ID: LDW-SS84-010
 SAMPLE

Lab Sample ID: HQ17L
 LIMS ID: 05-1416
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/19/05
 Date Received: 01/21/05

Date Extracted: 01/29/05
 Date Analyzed: 02/01/05 17:10
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 0.72 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.3
 Percent Moisture: 42.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	690	< 690 U
53469-21-9	Aroclor 1242	690	< 690 U
12672-29-6	Aroclor 1248	690	10,000 E
11097-69-1	Aroclor 1254	690	6,000
11096-82-5	Aroclor 1260	690	4,000
11104-28-2	Aroclor 1221	690	< 690 U
11141-16-5	Aroclor 1232	690	< 690 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	122%
Tetrachlorometaxylene	74.2%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS84-010

DILUTION

Lab Sample ID: HQ17L

LIMS ID: 05-1416

Matrix: Sediment

Data Release Authorized: 

Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/21/05

Date Extracted: 01/29/05

Date Analyzed: 02/02/05 11:13

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 0.72 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 3.00

Silica Gel: No

pH: 7.3

Percent Moisture: 42.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	2,100	< 2,100 U
53469-21-9	Aroclor 1242	2,100	< 2,100 U
12672-29-6	Aroclor 1248	2,100	12,000
11097-69-1	Aroclor 1254	2,100	6,800
11096-82-5	Aroclor 1260	2,100	4,300
11104-28-2	Aroclor 1221	2,100	< 2,100 U
11141-16-5	Aroclor 1232	2,100	< 2,100 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	127%
Tetrachlorometaxylene	93.8%

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Sample ID: LDW-SS87-010
SAMPLE

Lab Sample ID: HQ27C
 LIMS ID: 05-1481
 Matrix: Sediment
 Data Release Authorized: *BA*
 Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 20:19
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.3 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.1
 Percent Moisture: 54.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	40
11096-82-5	Aroclor 1260	20	32
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	120%
Tetrachlorometaxylene	77.0%

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Sample ID: LDW-SS88-010

SAMPLE

Lab Sample ID: HQ56I

LIMS ID: 05-1735

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/02/05

Date Analyzed: 02/03/05 22:56

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.1

Percent Moisture: 36.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	380 E
11096-82-5	Aroclor 1260	20	280 E
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	121%
Tetrachlorometaxylene	60.2%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS88-010
 DILUTION

Lab Sample ID: HQ56I
 LIMS ID: 05-1735
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/25/05
 Date Received: 01/26/05

Date Extracted: 02/02/05
 Date Analyzed: 02/05/05 09:33
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.3 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 5.00
 Silica Gel: No
 pH: 7.1
 Percent Moisture: 36.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	99	< 99 U
53469-21-9	Aroclor 1242	99	< 99 U
12672-29-6	Aroclor 1248	99	< 99 U
11097-69-1	Aroclor 1254	99	380
11096-82-5	Aroclor 1260	99	280
11104-28-2	Aroclor 1221	99	< 99 U
11141-16-5	Aroclor 1232	99	< 99 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	130%
Tetrachlorometaxylene	68.8%

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Sample ID: LDW-SS-89-010
SAMPLE

Lab Sample ID: HP90H
 LIMS ID: 05-1226
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/02/05

QC Report No: HP90-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/19/05
 Date Received: 01/19/05

Date Extracted: 01/26/05
 Date Analyzed: 01/31/05 18:30
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.8 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 20.0
 Silica Gel: No
 pH: 7.2
 Percent Moisture: 25.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	390	< 390 U
53469-21-9	Aroclor 1242	390	< 390 U
12672-29-6	Aroclor 1248	390	< 390 U
11097-69-1	Aroclor 1254	390	2,300
11096-82-5	Aroclor 1260	390	1,200
11104-28-2	Aroclor 1221	390	< 390 U
11141-16-5	Aroclor 1232	390	< 390 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	155%
Tetrachlorometaxylene	100%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS-201-010
SAMPLE

Lab Sample ID: HP90I
 LIMS ID: 05-1227
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/02/05

QC Report No: HP90-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/19/05
 Date Received: 01/19/05

Date Extracted: 01/26/05
 Date Analyzed: 01/31/05 18:51
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.2
 Percent Moisture: 23.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	46
11096-82-5	Aroclor 1260	20	39
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	137%
Tetrachlorometaxylene	93.5%

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Sample ID: LDW-SS92-010

SAMPLE

Lab Sample ID: HQ56C

LIMS ID: 05-1729

Matrix: Sediment

Data Release Authorized: 

Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/02/05

Date Analyzed: 02/03/05 20:13

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.9 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 6.9

Percent Moisture: 29.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	39	< 39 Y
12672-29-6	Aroclor 1248	77	< 77 Y
11097-69-1	Aroclor 1254	19	430 E
11096-82-5	Aroclor 1260	19	440 E
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	111%
Tetrachlorometaxylene	66.8%

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Sample ID: LDW-SS92-010
DILUTION

Lab Sample ID: HQ56C
LIMS ID: 05-1729
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Date Extracted: 02/02/05
Date Analyzed: 02/05/05 08:12
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.9 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 5.00
Silica Gel: No
pH: 6.9
Percent Moisture: 29.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	96	< 96 U
53469-21-9	Aroclor 1242	96	< 96 U
12672-29-6	Aroclor 1248	96	< 96 U
11097-69-1	Aroclor 1254	96	480
11096-82-5	Aroclor 1260	96	490
11104-28-2	Aroclor 1221	96	< 96 U
11141-16-5	Aroclor 1232	96	< 96 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	134%
Tetrachlorometaxylene	77.5%

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Sample ID: LDW-SS94-010
SAMPLE

Lab Sample ID: HQ27D
 LIMS ID: 05-1482
 Matrix: Sediment
 Data Release Authorized: *AS*
 Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 20:39
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.8 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.2
 Percent Moisture: 39.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	37
11096-82-5	Aroclor 1260	19	35
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	129%
Tetrachlorometaxylene	75.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS96-010

SAMPLE

Lab Sample ID: HQ27E

LIMS ID: 05-1483

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 02/01/05

Date Analyzed: 02/02/05 21:00

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.1

Percent Moisture: 55.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	24
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	115%
Tetrachlorometaxylene	84.2%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS97-010

SAMPLE

Lab Sample ID: HQ27F

LIMS ID: 05-1484

Matrix: Sediment

Data Release Authorized: 

Reported: 02/03/05

QC Report No: HQ27-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/21/05

Date Received: 01/21/05

Date Extracted: 02/01/05

Date Analyzed: 02/02/05 21:20

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.4

Percent Moisture: 33.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	40
11096-82-5	Aroclor 1260	20	41
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	127%
Tetrachlorometaxylene	106%



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Sample ID: LDW-SS-99-010
 SAMPLE

Lab Sample ID: HP90F
 LIMS ID: 05-1224
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 02/02/05

QC Report No: HP90-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/19/05
 Date Received: 01/19/05

Date Extracted: 01/26/05
 Date Analyzed: 01/31/05 18:10
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.4
 Percent Moisture: 38.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	< 20 U
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	129%
Tetrachlorometaxylene	92.5%

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Sample ID: LDW-SS101-010

SAMPLE

Lab Sample ID: HQ28A

LIMS ID: 05-1491

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 02/02/05

QC Report No: HQ28-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/24/05

Date Extracted: 01/29/05

Date Analyzed: 02/01/05 17:31

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.2

Percent Moisture: 24.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	< 20 U
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	115%
Tetrachlorometaxylene	91.0%

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Sample ID: LDW-SS102-010
SAMPLE

Lab Sample ID: HQ48I
 LIMS ID: 05-1650
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/02/05
 Date Analyzed: 02/05/05 03:27
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.7 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.8
 Percent Moisture: 31.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	38
11096-82-5	Aroclor 1260	20	36
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	131%
Tetrachlorometaxylene	92.0%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS104-010

SAMPLE

Lab Sample ID: HQ56D

LIMS ID: 05-1730

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/02/05

Date Analyzed: 02/03/05 21:14

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 6.8

Percent Moisture: 39.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	32
11096-82-5	Aroclor 1260	19	43
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	128%
Tetrachlorometaxylene	85.0%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS109-010
 SAMPLE

Lab Sample ID: HQ56F
 LIMS ID: 05-1732
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/25/05
 Date Received: 01/26/05

Date Extracted: 02/02/05
 Date Analyzed: 02/03/05 21:55
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 0.62 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.0
 Percent Moisture: 50.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	810	< 810 U
53469-21-9	Aroclor 1242	810	< 810 U
12672-29-6	Aroclor 1248	810	< 810 U
11097-69-1	Aroclor 1254	810	65,000 E
11096-82-5	Aroclor 1260	8,100	< 8,100 Y
11104-28-2	Aroclor 1221	810	< 810 U
11141-16-5	Aroclor 1232	810	< 810 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	112%
Tetrachlorometaxylene	90.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS109-010

DILUTION

Lab Sample ID: HQ56F

LIMS ID: 05-1732

Matrix: Sediment

Data Release Authorized: 

Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/02/05

Date Analyzed: 02/05/05 08:52

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 0.62 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 20.0

Silica Gel: No

pH: 7.0

Percent Moisture: 50.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	16,000	< 16,000 U
53469-21-9	Aroclor 1242	16,000	< 16,000 U
12672-29-6	Aroclor 1248	16,000	< 16,000 U
11097-69-1	Aroclor 1254	16,000	110,000
11096-82-5	Aroclor 1260	16,000	< 16,000 U
11104-28-2	Aroclor 1221	16,000	< 16,000 U
11141-16-5	Aroclor 1232	16,000	< 16,000 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	135%
Tetrachlorometaxylene	95.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: LDW-SS110-010
SAMPLE

Lab Sample ID: HQ56E
 LIMS ID: 05-1731
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/25/05
 Date Received: 01/26/05

Date Extracted: 02/02/05
 Date Analyzed: 02/03/05 21:34
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 1.42 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.1
 Percent Moisture: 44.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	350	< 350 U
53469-21-9	Aroclor 1242	350	< 350 U
12672-29-6	Aroclor 1248	350	< 350 U
11097-69-1	Aroclor 1254	350	9,200 E
11096-82-5	Aroclor 1260	350	3,400
11104-28-2	Aroclor 1221	350	< 350 U
11141-16-5	Aroclor 1232	350	< 350 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	129%
Tetrachlorometaxylene	85.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS110-010

DILUTION

Lab Sample ID: HQ56E

LIMS ID: 05-1731

Matrix: Sediment

Data Release Authorized: 

Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/02/05

Date Analyzed: 02/05/05 08:32

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 1.42 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 10.0

Silica Gel: No

pH: 7.1

Percent Moisture: 44.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3,500	< 3,500 U
53469-21-9	Aroclor 1242	3,500	< 3,500 U
12672-29-6	Aroclor 1248	3,500	< 3,500 U
11097-69-1	Aroclor 1254	3,500	10,000
11096-82-5	Aroclor 1260	3,500	< 3,500 U
11104-28-2	Aroclor 1221	3,500	< 3,500 U
11141-16-5	Aroclor 1232	3,500	< 3,500 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	118%
Tetrachlorometaxylene	92.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS-111-010

SAMPLE

Lab Sample ID: HP90A

LIMS ID: 05-1219

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 02/03/05

QC Report No: HP90-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/19/05

Date Received: 01/19/05

Date Extracted: 02/01/05

Date Analyzed: 02/03/05 01:02

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 1.49 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.2

Percent Moisture: 41.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	340	< 340 U
53469-21-9	Aroclor 1242	340	< 340 U
12672-29-6	Aroclor 1248	340	< 340 U
11097-69-1	Aroclor 1254	340	1,600
11096-82-5	Aroclor 1260	340	1,600 P
11104-28-2	Aroclor 1221	340	< 340 U
11141-16-5	Aroclor 1232	340	< 340 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	126%
Tetrachlorometaxylene	74.5%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS-112-010
SAMPLE

Lab Sample ID: HP90B
LIMS ID: 05-1220
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/02/05

QC Report No: HP90-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Date Extracted: 01/26/05
Date Analyzed: 01/31/05 16:09
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 14.7 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.5
Percent Moisture: 42.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	34	< 34 U
53469-21-9	Aroclor 1242	34	< 34 U
12672-29-6	Aroclor 1248	34	76
11097-69-1	Aroclor 1254	34	240
11096-82-5	Aroclor 1260	34	150
11104-28-2	Aroclor 1221	34	< 34 U
11141-16-5	Aroclor 1232	34	< 34 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	132%
Tetrachlorometaxylene	84.5%

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PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: LDW-SS113B-010
SAMPLE

Lab Sample ID: HQ17C
LIMS ID: 05-1407
Matrix: Sediment
Data Release Authorized: 
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/29/05
Date Analyzed: 02/01/05 13:28
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.2
Percent Moisture: 45.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	18 J
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	113%
Tetrachlorometaxylene	90.8%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS114-010

SAMPLE

Lab Sample ID: HQ17A

LIMS ID: 05-1405

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/20/05

Date Received: 01/21/05

Date Extracted: 01/29/05

Date Analyzed: 02/01/05 12:47

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 4.67 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.5

Percent Moisture: 38.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	110	< 110 U
53469-21-9	Aroclor 1242	110	< 110 U
12672-29-6	Aroclor 1248	210	< 210 Y
11097-69-1	Aroclor 1254	110	540
11096-82-5	Aroclor 1260	110	280
11104-28-2	Aroclor 1221	110	< 110 U
11141-16-5	Aroclor 1232	110	< 110 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	120%
Tetrachlorometaxylene	90.8%

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Sample ID: LDW-SS115-010
SAMPLE

Lab Sample ID: HQ56G
 LIMS ID: 05-1733
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/25/05
 Date Received: 01/26/05

Date Extracted: 02/02/05
 Date Analyzed: 02/03/05 22:15
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.5 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.4
 Percent Moisture: 43.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	39	< 39 Y
11097-69-1	Aroclor 1254	20	110
11096-82-5	Aroclor 1260	20	110
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	111%
Tetrachlorometaxylene	74.8%

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Sample ID: LDW-SS116-010
SAMPLE

Lab Sample ID: HQ17F
LIMS ID: 05-1410
Matrix: Sediment
Data Release Authorized: 
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/29/05
Date Analyzed: 02/01/05 14:29
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.5
Percent Moisture: 36.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	39	< 39 Y
11097-69-1	Aroclor 1254	20	65
11096-82-5	Aroclor 1260	20	53 P
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	116%
Tetrachlorometaxylene	85.0%



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Sample ID: LDW-SS117-010
SAMPLE

Lab Sample ID: HQ17B
LIMS ID: 05-1406
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/29/05
Date Analyzed: 02/01/05 13:08
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.2
Percent Moisture: 43.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	43
11096-82-5	Aroclor 1260	20	36 P
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	112%
Tetrachlorometaxylene	90.0%

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Sample ID: LDW-SS118-010
SAMPLE

Lab Sample ID: HQ17J
LIMS ID: 05-1414
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/29/05
Date Analyzed: 02/01/05 16:30
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.2
Percent Moisture: 50.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	24
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	110%
Tetrachlorometaxylene	84.8%

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Sample ID: LDW-SS-119-010
SAMPLE

Lab Sample ID: HP90C
 LIMS ID: 05-1221
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 02/02/05

QC Report No: HP90-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/19/05
 Date Received: 01/19/05

Date Extracted: 01/26/05
 Date Analyzed: 01/31/05 16:29
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 4.36 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.5
 Percent Moisture: 41.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	120	< 120 U
53469-21-9	Aroclor 1242	120	< 120 U
12672-29-6	Aroclor 1248	120	180
11097-69-1	Aroclor 1254	120	460
11096-82-5	Aroclor 1260	120	240 P
11104-28-2	Aroclor 1221	120	< 120 U
11141-16-5	Aroclor 1232	120	< 120 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	125%
Tetrachlorometaxylene	97.0%

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Sample ID: LDW-SS-120-010
SAMPLE

Lab Sample ID: HP90D
LIMS ID: 05-1222
Matrix: Sediment
Data Release Authorized: 
Reported: 02/02/05

QC Report No: HP90-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Date Extracted: 01/26/05
Date Analyzed: 01/31/05 16:49
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 6.91 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.4
Percent Moisture: 44.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	72	< 72 U
53469-21-9	Aroclor 1242	72	< 72 U
12672-29-6	Aroclor 1248	72	100
11097-69-1	Aroclor 1254	72	330
11096-82-5	Aroclor 1260	72	200 P
11104-28-2	Aroclor 1221	72	< 72 U
11141-16-5	Aroclor 1232	72	< 72 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	137%
Tetrachlorometaxylene	90.2%

ORGANICS ANALYSIS DATA SHEET

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Sample ID: LDW-SS121-010

SAMPLE

Lab Sample ID: HQ56H

LIMS ID: 05-1734

Matrix: Sediment

Data Release Authorized: 

Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/25/05

Date Received: 01/26/05

Date Extracted: 02/02/05

Date Analyzed: 02/03/05 22:35

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.6

Percent Moisture: 38.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	580 E
11096-82-5	Aroclor 1260	20	330 E
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	118%
Tetrachlorometaxylene	79.8%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS121-010
DILUTION

Lab Sample ID: HQ56H
LIMS ID: 05-1734
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 02/09/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Date Extracted: 02/02/05
Date Analyzed: 02/05/05 09:12
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 10.0
Silica Gel: No
pH: 7.6
Percent Moisture: 38.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	200	< 200 U
53469-21-9	Aroclor 1242	200	< 200 U
12672-29-6	Aroclor 1248	200	< 200 U
11097-69-1	Aroclor 1254	200	700
11096-82-5	Aroclor 1260	200	360 P
11104-28-2	Aroclor 1221	200	< 200 U
11141-16-5	Aroclor 1232	200	< 200 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	110%
Tetrachlorometaxylene	87.5%

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Sample ID: LDW-SS123-010
SAMPLE

Lab Sample ID: HQ48L
 LIMS ID: 05-1653
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/02/05
 Date Analyzed: 02/05/05 04:28
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 8.1
 Percent Moisture: 28.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	25
11097-69-1	Aroclor 1254	20	69
11096-82-5	Aroclor 1260	20	40
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	135%
Tetrachlorometaxylene	85.5%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS203-010
 SAMPLE

Lab Sample ID: HQ48M
 LIMS ID: 05-1654
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/02/05
 Date Analyzed: 02/05/05 04:49
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 26.0 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.8
 Percent Moisture: 29.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	30
11097-69-1	Aroclor 1254	19	82
11096-82-5	Aroclor 1260	19	50
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U


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

PCB Surrogate Recovery

Decachlorobiphenyl	139%
Tetrachlorometaxylene	81.5%

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Sample ID: LDW-SS125-010
SAMPLE

Lab Sample ID: HQ17D
 LIMS ID: 05-1408
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/20/05
 Date Received: 01/21/05

Date Extracted: 01/29/05
 Date Analyzed: 02/01/05 13:48
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.7 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.5
 Percent Moisture: 49.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	< 19 U
11096-82-5	Aroclor 1260	19	< 19 U
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	107%
Tetrachlorometaxylene	88.0%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS126-010
 SAMPLE

Lab Sample ID: HQ17E
 LIMS ID: 05-1409
 Matrix: Sediment
 Data Release Authorized: *AS*
 Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/20/05
 Date Received: 01/21/05

Date Extracted: 01/29/05
 Date Analyzed: 02/01/05 14:08
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.2 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.4
 Percent Moisture: 47.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	< 20 U
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	112%
Tetrachlorometaxylene	96.0%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS127-010
SAMPLE

Lab Sample ID: HQ17G
 LIMS ID: 05-1411
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/20/05
 Date Received: 01/21/05

Date Extracted: 01/29/05
 Date Analyzed: 02/01/05 15:29
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.4 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.1
 Percent Moisture: 64.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	28
11096-82-5	Aroclor 1260	20	30
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	117%
Tetrachlorometaxylene	75.0%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS128-010
SAMPLE

Lab Sample ID: HQ48J
LIMS ID: 05-1651
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/02/05
Date Analyzed: 02/05/05 03:48
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.1 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.2
Percent Moisture: 63.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	< 20 U
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	113%
Tetrachlorometaxylene	83.0%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS129-010
SAMPLE

Lab Sample ID: HQ17I
LIMS ID: 05-1413
Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/29/05
Date Analyzed: 02/01/05 16:10
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.8 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.5
Percent Moisture: 44.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	< 19 U
11096-82-5	Aroclor 1260	19	< 19 U
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	112%
Tetrachlorometaxylene	68.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: LDW-SS130-010
SAMPLE

Lab Sample ID: HQ17H
 LIMS ID: 05-1412
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/20/05
 Date Received: 01/21/05

Date Extracted: 01/29/05
 Date Analyzed: 02/01/05 15:50
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.2
 Percent Moisture: 57.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	26
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	102%
Tetrachlorometaxylene	75.0%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS134-010
 SAMPLE

Lab Sample ID: HQ48V
 LIMS ID: 05-1663
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 01:22
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 26.0 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 8.2
 Percent Moisture: 26.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	< 19 U
11096-82-5	Aroclor 1260	19	< 19 U
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	112%
Tetrachlorometaxylene	84.8%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS142-010
SAMPLE

Lab Sample ID: HQ48K
LIMS ID: 05-1652
Matrix: Sediment
Data Release Authorized:
Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/02/05
Date Analyzed: 02/05/05 04:08
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.5
Percent Moisture: 47.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	29
11097-69-1	Aroclor 1254	20	93
11096-82-5	Aroclor 1260	20	40 P
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	102%
Tetrachlorometaxylene	69.8%



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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS143-010
SAMPLE

Lab Sample ID: HQ57C
LIMS ID: 05-1738
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/04/05

QC Report No: HQ57-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/26/05
Date Received: 01/26/05

Date Extracted: 02/01/05
Date Analyzed: 02/03/05 00:42
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.8
Percent Moisture: 45.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	3,800 S
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	< 20 U
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	108%
Tetrachlorometaxylene	62.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: LDW-SS143-010
 DILUTION

Lab Sample ID: HQ57C
 LIMS ID: 05-1738
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 02/04/05

QC Report No: HQ57-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/26/05
 Date Received: 01/26/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 11:13
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 25.6 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 50.0
 Silica Gel: No
 pH: 7.8
 Percent Moisture: 45.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	980	< 980 U
53469-21-9	Aroclor 1242	980	2,700
12672-29-6	Aroclor 1248	980	< 980 U
11097-69-1	Aroclor 1254	980	< 980 U
11096-82-5	Aroclor 1260	980	< 980 U
11104-28-2	Aroclor 1221	980	< 980 U
11141-16-5	Aroclor 1232	980	< 980 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	D
Tetrachlorometaxylene	D

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: LDW-SSCR20-010
SAMPLE

Lab Sample ID: HQ93A
LIMS ID: 05-2010
Matrix: Sediment
Data Release Authorized:
Reported: 02/09/05 *AB*

QC Report No: HQ93-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/28/05
Date Received: 01/29/05

Date Extracted: 02/07/05
Date Analyzed: 02/08/05 19:27
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.2
Percent Moisture: 34.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	< 20 U
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	< 20 U
11096-82-5	Aroclor 1260	20	< 20 U
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	20	< 20 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	120%
Tetrachlorometaxylene	108%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SSCR23-010
SAMPLE

Lab Sample ID: HQ93B
 LIMS ID: 05-2011
 Matrix: Sediment
 Data Release Authorized: *AS*
 Reported: 02/09/05

QC Report No: HQ93-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/28/05
 Date Received: 01/29/05

Date Extracted: 02/07/05
 Date Analyzed: 02/08/05 19:48
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 26.2 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.4
 Percent Moisture: 30.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	< 19 U
11096-82-5	Aroclor 1260	19	< 19 U
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	113%
Tetrachlorometaxylene	99.2%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-MSMP43-010
SAMPLE

Lab Sample ID: HQ93C
LIMS ID: 05-2012
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 02/09/05

QC Report No: HQ93-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/28/05
Date Received: 01/29/05

Date Extracted: 02/07/05
Date Analyzed: 02/08/05 20:08
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.1
Percent Moisture: 20.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	< 19 U
11096-82-5	Aroclor 1260	19	< 19 U
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	119%
Tetrachlorometaxylene	103%

LDW and reference surface sediment samples: Organochlorine pesticides

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS5-010
SAMPLE

Lab Sample ID: HV08A
LIMS ID: 05-4693
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 03/15/05

QC Report No: HV08-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 03/11/05
Date Analyzed: 03/14/05 22:16
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 7.4
Percent Moisture: 23.2%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	91.8%
Tetrachlorometaxylene	81.2%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS5-010
DUPLICATE

Lab Sample ID: HV08A
LIMS ID: 05-4693
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/15/05

QC Report No: HV08-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Date Extracted: 03/11/05
Date Analyzed: 03/14/05 22:50
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 7.4
Percent Moisture: 23.2%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	100%
Tetrachlorometaxylene	85.5%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS13-010
SAMPLE

Lab Sample ID: HP67J
 LIMS ID: 05-1091
 Matrix: Sediment
 Data Release Authorized:
 Reported: 01/28/05

QC Report No: HP67-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/17/05
 Date Received: 01/17/05

Date Extracted: 01/24/05
 Date Analyzed: 01/27/05 16:20
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 6.45 g-dry-wt
 Final Extract Volume: 2.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.4
 Percent Moisture: 46.3%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	1.6	< 1.6 U
319-85-7	beta-BHC	1.6	< 1.6 U
319-86-8	delta-BHC	1.6	< 1.6 U
58-89-9	gamma-BHC (Lindane)	1.6	< 1.6 U
76-44-8	Heptachlor	1.6	< 1.6 U
309-00-2	Aldrin	1.6	< 1.6 U
1024-57-3	Heptachlor Epoxide	1.6	< 1.6 U
959-98-8	Endosulfan I	1.6	< 1.6 U
60-57-1	Dieldrin	3.1	< 3.1 U
72-55-9	4,4'-DDE	3.1	< 3.1 U
72-20-8	Endrin	3.1	< 3.1 U
33213-65-9	Endosulfan II	3.1	< 3.1 U
72-54-8	4,4'-DDD	3.1	< 3.1 U
1031-07-8	Endosulfan Sulfate	3.1	< 3.1 U
50-29-3	4,4'-DDT	3.1	< 3.1 U
72-43-5	Methoxychlor	16	< 16 U
53494-70-5	Endrin Ketone	3.1	< 3.1 U
7421-93-4	Endrin Aldehyde	3.1	< 3.1 U
5103-74-2	gamma Chlordane	1.6	< 1.6 U
5103-71-9	alpha Chlordane	1.6	< 1.6 U
8001-35-2	Toxaphene	160	< 160 U
118-74-1	Hexachlorobenzene	1.6	< 1.6 U
87-68-3	Hexachlorobutadiene	1.6	< 1.6 U
789-02-6	2,4'-DDT	3.1	< 3.1 U
3424-82-6	2,4'-DDE	3.1	< 3.1 U
53-19-0	2,4'-DDD	3.1	< 3.1 U
26880-48-8	oxy Chlordane	3.1	< 3.1 U
5103-73-1	cis-Nonachlor	3.1	< 3.1 U
39765-80-5	trans-Nonachlor	3.1	< 3.1 U
2385-85-5	Mirex	3.1	< 3.1 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	72.9%
Tetrachlorometaxylene	61.6%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS27-010
SAMPLE

Lab Sample ID: HP70D
 LIMS ID: 05-1101
 Matrix: Sediment
 Data Release Authorized: *RB*
 Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/18/05
 Date Received: 01/18/05

Date Extracted: 01/24/05
 Date Analyzed: 01/27/05 18:02
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 5.63 g-dry-wt
 Final Extract Volume: 2.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.4
 Percent Moisture: 53.2%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	1.8	< 1.8 U
319-85-7	beta-BHC	1.8	< 1.8 U
319-86-8	delta-BHC	1.8	< 1.8 U
58-89-9	gamma-BHC (Lindane)	1.8	< 1.8 U
76-44-8	Heptachlor	1.8	< 1.8 U
309-00-2	Aldrin	1.8	< 1.8 U
1024-57-3	Heptachlor Epoxide	1.8	< 1.8 U
959-98-8	Endosulfan I	1.8	< 1.8 U
60-57-1	Dieldrin	3.6	< 6.8 Y
72-55-9	4,4'-DDE	3.6	< 3.6 U
72-20-8	Endrin	3.6	< 3.6 U
33213-65-9	Endosulfan II	3.6	< 3.6 U
72-54-8	4,4'-DDD	3.6	< 3.6 U
1031-07-8	Endosulfan Sulfate	3.6	< 3.6 U
50-29-3	4,4'-DDT	3.6	< 3.6 U
72-43-5	Methoxychlor	18	< 18 U
53494-70-5	Endrin Ketone	3.6	< 3.6 U
7421-93-4	Endrin Aldehyde	12	< 12 Y
5103-74-2	gamma Chlordane	1.8	< 1.8 U
5103-71-9	alpha Chlordane	1.8	< 1.8 U
8001-35-2	Toxaphene	180	< 180 U
118-74-1	Hexachlorobenzene	1.8	< 1.8 U
87-68-3	Hexachlorobutadiene	1.8	< 1.8 U
789-02-6	2,4'-DDT	3.6	< 3.6 U
3424-82-6	2,4'-DDE	3.6	< 3.6 U
53-19-0	2,4'-DDD	3.6	< 3.6 U
26880-48-8	oxy Chlordane	3.6	< 3.6 U
5103-73-1	cis-Nonachlor	3.6	< 3.6 U
39765-80-5	trans-Nonachlor	3.6	< 3.6 U
2385-85-5	Mirex	3.6	< 3.6 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	68.0%
Tetrachlorometaxylene	59.6%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS200-010
SAMPLE

Lab Sample ID: HP70E
 LIMS ID: 05-1102
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/18/05
 Date Received: 01/18/05

Date Extracted: 01/24/05
 Date Analyzed: 01/27/05 18:36
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 5.61 g-dry-wt
 Final Extract Volume: 2.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.3
 Percent Moisture: 53.3%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	1.8	< 1.8 U
319-85-7	beta-BHC	1.8	< 1.8 U
319-86-8	delta-BHC	1.8	< 1.8 U
58-89-9	gamma-BHC (Lindane)	1.8	< 1.8 U
76-44-8	Heptachlor	1.8	< 1.8 U
309-00-2	Aldrin	1.8	< 1.8 U
1024-57-3	Heptachlor Epoxide	1.8	< 1.8 U
959-98-8	Endosulfan I	1.8	< 1.8 U
60-57-1	Dieldrin	3.6	< 3.6 U
72-55-9	4,4'-DDE	3.6	< 3.6 U
72-20-8	Endrin	3.6	< 3.6 U
33213-65-9	Endosulfan II	3.6	< 3.6 U
72-54-8	4,4'-DDD	3.6	< 3.6 U
1031-07-8	Endosulfan Sulfate	3.6	< 3.6 U
50-29-3	4,4'-DDT	3.6	< 3.6 U
72-43-5	Methoxychlor	18	< 18 U
53494-70-5	Endrin Ketone	3.6	< 3.6 U
7421-93-4	Endrin Aldehyde	3.6	< 3.6 U
5103-74-2	gamma Chlordane	1.8	< 1.8 U
5103-71-9	alpha Chlordane	1.8	< 1.8 U
8001-35-2	Toxaphene	180	< 180 U
118-74-1	Hexachlorobenzene	1.8	< 1.8 U
87-68-3	Hexachlorobutadiene	1.8	< 1.8 U
789-02-6	2,4'-DDT	3.6	< 3.6 U
3424-82-6	2,4'-DDE	3.6	< 3.6 U
53-19-0	2,4'-DDD	3.6	< 3.6 U
26880-48-8	oxy Chlordane	3.6	< 3.6 U
5103-73-1	cis-Nonachlor	3.6	< 3.6 U
39765-80-5	trans-Nonachlor	3.6	< 3.6 U
2385-85-5	Mirex	3.6	< 3.6 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	69.9%
Tetrachlorometaxylene	59.9%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS28-010
 SAMPLE

Lab Sample ID: HQ48U
 LIMS ID: 05-1662
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 06:17
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.2
 Percent Moisture: 39.3%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	0.97	< 0.97 U
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	< 0.97 U
76-44-8	Heptachlor	0.97	< 0.97 U
309-00-2	Aldrin	0.97	< 0.97 U
1024-57-3	Heptachlor Epoxide	0.97	< 0.97 U
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	1.9	< 1.9 U
72-55-9	4,4'-DDE	3.8	< 3.8 Y
72-20-8	Endrin	1.9	< 1.9 U
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	1.9	< 1.9 U
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	1.9	< 1.9 U
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U
118-74-1	Hexachlorobenzene	0.97	< 0.97 U
87-68-3	Hexachlorobutadiene	0.97	< 0.97 U
789-02-6	2,4'-DDT	1.9	< 1.9 U
3424-82-6	2,4'-DDE	1.9	< 1.9 U
53-19-0	2,4'-DDD	1.9	< 1.9 U
27304-13-8	oxy Chlordane	1.9	< 1.9 U
5103-73-1	cis-Nonachlor	1.9	< 1.9 U
39765-80-5	trans-Nonachlor	1.9	< 1.9 U
2385-85-5	Mirex	1.9	< 1.9 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	97.8%
Tetrachlorometaxylene	75.0%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS32-010
 SAMPLE

Lab Sample ID: HP70F
 LIMS ID: 05-1103
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 01/31/05

QC Report No: HP70-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/18/05
 Date Received: 01/18/05

Date Extracted: 01/24/05
 Date Analyzed: 01/27/05 19:09
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 5.98 g-dry-wt
 Final Extract Volume: 2.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.5
 Percent Moisture: 50.3%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	1.7	< 1.7 U
319-85-7	beta-BHC	1.7	< 1.7 U
319-86-8	delta-BHC	1.7	< 1.7 U
58-89-9	gamma-BHC (Lindane)	1.7	< 1.7 U
76-44-8	Heptachlor	1.7	< 1.7 U
309-00-2	Aldrin	1.7	< 1.7 U
1024-57-3	Heptachlor Epoxide	1.7	< 1.7 U
959-98-8	Endosulfan I	1.7	< 1.7 U
60-57-1	Dieldrin	3.3	< 3.3 U
72-55-9	4,4'-DDE	3.3	< 3.3 U
72-20-8	Endrin	3.3	< 3.3 U
33213-65-9	Endosulfan II	3.3	< 3.3 U
72-54-8	4,4'-DDD	3.3	< 3.3 U
1031-07-8	Endosulfan Sulfate	3.3	< 3.3 U
50-29-3	4,4'-DDT	3.3	< 3.3 U
72-43-5	Methoxychlor	17	< 17 U
53494-70-5	Endrin Ketone	3.3	< 3.3 U
7421-93-4	Endrin Aldehyde	3.3	< 3.3 U
5103-74-2	gamma Chlordane	1.7	< 1.7 U
5103-71-9	alpha Chlordane	1.7	< 1.7 U
8001-35-2	Toxaphene	170	< 170 U
118-74-1	Hexachlorobenzene	1.7	< 1.7 U
87-68-3	Hexachlorobutadiene	1.7	< 1.7 U
789-02-6	2,4'-DDT	3.3	< 3.3 U
3424-82-6	2,4'-DDE	3.3	< 3.3 U
53-19-0	2,4'-DDD	3.3	< 3.3 U
26880-48-8	oxy Chlordane	3.3	< 3.3 U
5103-73-1	cis-Nonachlor	3.3	< 3.3 U
39765-80-5	trans-Nonachlor	3.3	< 3.3 U
2385-85-5	Mirex	3.3	< 3.3 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	70.4%
Tetrachlorometaxylene	58.6%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS36-010
 SAMPLE

Lab Sample ID: HQ48Q
 LIMS ID: 05-1658
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 05:09
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.2 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.0
 Percent Moisture: 55.3%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	0.99	< 0.99 U
319-86-8	delta-BHC	0.99	< 0.99 U
58-89-9	gamma-BHC (Lindane)	0.99	< 0.99 U
76-44-8	Heptachlor	0.99	< 0.99 U
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	0.99	< 0.99 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.9	< 9.9 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.99	< 0.99 U
5103-71-9	alpha Chlordane	0.99	< 0.99 U
8001-35-2	Toxaphene	99	< 99 U
118-74-1	Hexachlorobenzene	0.99	< 0.99 U
87-68-3	Hexachlorobutadiene	0.99	< 0.99 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	84.8%
Tetrachlorometaxylene	65.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS42-010
SAMPLE

Lab Sample ID: HQ48H
LIMS ID: 05-1649
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/14/05

QC Report No: HQ48-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Date Extracted: 02/04/05
Date Analyzed: 02/07/05 21:16
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 7.5
Percent Moisture: 51.5%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	1.5	< 1.5 Y
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.5 Y
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 7.3 Y
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	90.2%
Tetrachlorometaxylene	69.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS50-010
SAMPLE

Lab Sample ID: HQ48B
 LIMS ID: 05-1643
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 21:15
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.8 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.4
 Percent Moisture: 47.0%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	3.0	< 3.0 Y
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	< 0.97 U
76-44-8	Heptachlor	5.2	< 5.2 Y
309-00-2	Aldrin	0.97	< 0.97 U
1024-57-3	Heptachlor Epoxide	0.97	< 0.97 U
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	1.9	< 1.9 U
72-55-9	4,4'-DDE	21	< 21 Y
72-20-8	Endrin	1.9	< 1.9 U
33213-65-9	Endosulfan II	8.8	< 8.8 Y
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	1.9	< 1.9 U
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	7.0	< 7.0 Y
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U
118-74-1	Hexachlorobenzene	0.97	< 0.97 U
87-68-3	Hexachlorobutadiene	0.97	< 0.97 U
789-02-6	2,4'-DDT	17	< 17 Y
3424-82-6	2,4'-DDE	21	< 21 Y
53-19-0	2,4'-DDD	1.9	< 1.9 U
27304-13-8	oxy Chlordane	1.9	< 1.9 U
5103-73-1	cis-Nonachlor	20	< 20 Y
39765-80-5	trans-Nonachlor	1.9	< 1.9 U
2385-85-5	Mirex	1.9	< 1.9 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	98.2%
Tetrachlorometaxylene	70.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS202-010
 SAMPLE

Lab Sample ID: HQ48G
 LIMS ID: 05-1648
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 00:05
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.5
 Percent Moisture: 46.7%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	3.8	< 3.8 Y
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	14	< 14 Y
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	4.4	< 4.4 Y
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	15	< 15 Y
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	88.0%
Tetrachlorometaxylene	69.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS54-010
SAMPLE

Lab Sample ID: HQ48F
 LIMS ID: 05-1647
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 23:31
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.3 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.3
 Percent Moisture: 38.5%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	0.99	< 0.99 U
319-86-8	delta-BHC	0.99	< 0.99 U
58-89-9	gamma-BHC (Lindane)	0.99	< 0.99 U
76-44-8	Heptachlor	0.99	< 0.99 U
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	0.99	< 0.99 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.9	< 9.9 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.99	< 0.99 U
5103-71-9	alpha Chlordane	0.99	< 0.99 U
8001-35-2	Toxaphene	99	< 99 U
118-74-1	Hexachlorobenzene	0.99	< 0.99 U
87-68-3	Hexachlorobutadiene	0.99	< 0.99 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	102%
Tetrachlorometaxylene	80.5%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS55-010
SAMPLE

Lab Sample ID: HQ48C
 LIMS ID: 05-1644
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 21:49
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.5
 Percent Moisture: 38.5%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	90.0%
Tetrachlorometaxylene	99.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS58-010
 SAMPLE

Lab Sample ID: HQ48R
 LIMS ID: 05-1659
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 05:43
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.1
 Percent Moisture: 49.5%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	1.7	< 1.7 Y
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	8.7	< 8.7 Y
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	3.2	< 3.2 Y
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	12	< 12 Y
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	5.6	< 5.6 Y

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	107%
Tetrachlorometaxylene	69.2%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS63-010
SAMPLE

Lab Sample ID: HQ27I
 LIMS ID: 05-1487
 Matrix: Sediment
 Data Release Authorized: *AS*
 Reported: 02/02/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 01/28/05
 Date Analyzed: 02/01/05 04:52
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.8 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.2
 Percent Moisture: 33.4%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	0.97	< 0.97 U
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	< 0.97 U
76-44-8	Heptachlor	0.97	< 0.97 U
309-00-2	Aldrin	0.97	< 0.97 U
1024-57-3	Heptachlor Epoxide	0.97	< 0.97 U
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	1.9	< 1.9 U
72-55-9	4,4'-DDE	1.9	< 1.9 U
72-20-8	Endrin	1.9	< 1.9 U
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	1.9	< 1.9 U
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	1.9	< 1.9 U
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U
118-74-1	Hexachlorobenzene	0.97	< 0.97 U
87-68-3	Hexachlorobutadiene	0.97	< 0.97 U
789-02-6	2,4'-DDT	1.9	< 1.9 U
3424-82-6	2,4'-DDE	1.9	< 1.9 U
53-19-0	2,4'-DDD	1.9	< 1.9 U
26880-48-8	oxy Chlordane	1.9	< 1.9 U
5103-73-1	cis-Nonachlor	1.9	< 1.9 U
39765-80-5	trans-Nonachlor	1.9	< 1.9 U
2385-85-5	Mirex	1.9	< 1.9 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	79.2%
Tetrachlorometaxylene	72.5%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS64-010
SAMPLE

Lab Sample ID: HQ480
 LIMS ID: 05-1656
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 04:35
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.1 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.1
 Percent Moisture: 41.7%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	0.99	< 0.99 U
319-86-8	delta-BHC	0.99	< 0.99 U
58-89-9	gamma-BHC (Lindane)	0.99	< 0.99 U
76-44-8	Heptachlor	0.99	< 0.99 U
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	0.99	< 0.99 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.9	< 9.9 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.99	< 0.99 U
5103-71-9	alpha Chlordane	0.99	< 0.99 U
8001-35-2	Toxaphene	99	< 99 U
118-74-1	Hexachlorobenzene	0.99	< 0.99 U
87-68-3	Hexachlorobutadiene	0.99	< 0.99 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	102%
Tetrachlorometaxylene	82.2%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS67-010
SAMPLE

Lab Sample ID: HV08B
 LIMS ID: 05-4694
 Matrix: Sediment
 Data Release Authorized: *AS*
 Reported: 03/15/05

QC Report No: HV08-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 03/11/05
 Date Analyzed: 03/14/05 23:23
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 26.0 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.8
 Percent Moisture: 24.5%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.96	< 0.96 U
319-85-7	beta-BHC	0.96	< 0.96 U
319-86-8	delta-BHC	0.96	< 0.96 U
58-89-9	gamma-BHC (Lindane)	0.96	< 0.96 U
76-44-8	Heptachlor	0.96	< 0.96 U
309-00-2	Aldrin	0.96	< 0.96 U
1024-57-3	Heptachlor Epoxide	0.96	< 0.96 U
959-98-8	Endosulfan I	0.96	< 0.96 U
60-57-1	Dieldrin	1.9	< 1.9 U
72-55-9	4,4'-DDE	1.9	< 1.9 U
72-20-8	Endrin	1.9	< 1.9 U
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	1.9	< 1.9 U
72-43-5	Methoxychlor	9.6	< 9.6 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	1.9	< 1.9 U
5103-74-2	gamma Chlordane	0.96	< 0.96 U
5103-71-9	alpha Chlordane	0.96	< 0.96 U
8001-35-2	Toxaphene	96	< 96 U
118-74-1	Hexachlorobenzene	0.96	< 0.96 U
87-68-3	Hexachlorobutadiene	0.96	< 0.96 U
789-02-6	2,4'-DDT	1.9	< 1.9 U
3424-82-6	2,4'-DDE	1.9	< 1.9 U
53-19-0	2,4'-DDD	1.9	< 1.9 U
27304-13-8	oxy Chlordane	1.9	< 1.9 U
5103-73-1	cis-Nonachlor	1.9	< 1.9 U
39765-80-5	trans-Nonachlor	1.9	< 1.9 U
2385-85-5	Mirex	1.9	< 1.9 U


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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	90.5%
Tetrachlorometaxylene	77.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS70-010
 SAMPLE

Lab Sample ID: HQ27J
 LIMS ID: 05-1488
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/02/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 01/28/05
 Date Analyzed: 02/01/05 05:26
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.2
 Percent Moisture: 44.2%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
26880-48-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	80.2%
Tetrachlorometaxylene	67.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS72-010
SAMPLE

Lab Sample ID: HQ48D
 LIMS ID: 05-1645
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 22:23
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.2 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.5
 Percent Moisture: 55.0%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	0.99	< 0.99 U
319-86-8	delta-BHC	0.99	< 0.99 U
58-89-9	gamma-BHC (Lindane)	0.99	< 0.99 U
76-44-8	Heptachlor	0.99	< 0.99 U
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	0.99	< 0.99 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.9	< 9.9 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.99	< 0.99 U
5103-71-9	alpha Chlordane	0.99	< 0.99 U
8001-35-2	Toxaphene	99	< 99 U
118-74-1	Hexachlorobenzene	0.99	< 0.99 U
87-68-3	Hexachlorobutadiene	0.99	< 0.99 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	84.5%
Tetrachlorometaxylene	74.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS76-010
 SAMPLE

Lab Sample ID: HQ17K
 LIMS ID: 05-1415
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/20/05
 Date Received: 01/21/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 20:42
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.1
 Percent Moisture: 52.5%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
26880-48-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	89.8%
Tetrachlorometaxylene	74.2%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS79-010
SAMPLE

Lab Sample ID: HQ48E
 LIMS ID: 05-1646
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/02/05 22:57
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.3 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.2
 Percent Moisture: 45.0%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	0.99	< 0.99 U
319-86-8	delta-BHC	0.99	< 0.99 U
58-89-9	gamma-BHC (Lindane)	0.99	< 0.99 U
76-44-8	Heptachlor	0.99	< 0.99 U
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	0.99	< 0.99 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	4.0	< 4.0 Y
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.9	< 9.9 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.99	< 0.99 U
5103-71-9	alpha Chlordane	0.99	< 0.99 U
8001-35-2	Toxaphene	99	< 99 U
118-74-1	Hexachlorobenzene	0.99	< 0.99 U
87-68-3	Hexachlorobutadiene	0.99	< 0.99 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	6.3	< 6.3 Y
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	90.8%
Tetrachlorometaxylene	75.2%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS84-010
 SAMPLE

Lab Sample ID: HQ17L
 LIMS ID: 05-1416
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/19/05
 Date Received: 01/21/05

Date Extracted: 01/28/05
 Date Analyzed: 02/01/05 03:10
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 1.46 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.3
 Percent Moisture: 42.7%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	17	< 17 U
319-85-7	beta-BHC	17	< 17 U
319-86-8	delta-BHC	17	< 17 U
58-89-9	gamma-BHC (Lindane)	17	< 17 U
76-44-8	Heptachlor	70	< 70 Y
309-00-2	Aldrin	17	< 17 U
1024-57-3	Heptachlor Epoxide	510	< 510 Y
959-98-8	Endosulfan I	17	< 17 U
60-57-1	Dieldrin	34	< 34 U
72-55-9	4,4'-DDE	800	< 800 Y
72-20-8	Endrin	34	< 34 U
33213-65-9	Endosulfan II	34	< 34 U
72-54-8	4,4'-DDD	540	< 540 Y
1031-07-8	Endosulfan Sulfate	34	< 34 U
50-29-3	4,4'-DDT	34	< 34 U
72-43-5	Methoxychlor	170	< 170 U
53494-70-5	Endrin Ketone	34	< 34 U
7421-93-4	Endrin Aldehyde	250	< 250 Y
5103-74-2	gamma Chlordane	17	< 17 U
5103-71-9	alpha Chlordane	17	< 17 U
8001-35-2	Toxaphene	1,700	< 1,700 U
118-74-1	Hexachlorobenzene	17	< 17 U
87-68-3	Hexachlorobutadiene	17	< 17 U
789-02-6	2,4'-DDT	460	< 460 Y
3424-82-6	2,4'-DDE	34	< 34 U
53-19-0	2,4'-DDD	34	< 34 U
26880-48-8	oxy Chlordane	34	< 34 U
5103-73-1	cis-Nonachlor	330	< 330 Y
39765-80-5	trans-Nonachlor	34	< 34 U
2385-85-5	Mirex	34	< 34 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	85.5%
Tetrachlorometaxylene	68.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS87-010
SAMPLE

Lab Sample ID: HQ27C
 LIMS ID: 05-1481
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/02/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 01/28/05
 Date Analyzed: 02/01/05 03:44
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.1
 Percent Moisture: 54.0%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	0.97	< 0.97 U
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	< 0.97 U
76-44-8	Heptachlor	0.97	< 0.97 U
309-00-2	Aldrin	0.97	< 0.97 U
1024-57-3	Heptachlor Epoxide	0.97	< 0.97 U
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U
118-74-1	Hexachlorobenzene	0.97	< 0.97 U
87-68-3	Hexachlorobutadiene	0.97	< 0.97 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
26880-48-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	70.5%
Tetrachlorometaxylene	60.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS92-010
SAMPLE

Lab Sample ID: HQ56C
 LIMS ID: 05-1729
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 02/04/05

QC Report No: HQ56-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/25/05
 Date Received: 01/26/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 09:06
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 6.9
 Percent Moisture: 29.3%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	0.97	< 0.97 U
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	< 0.97 U
76-44-8	Heptachlor	1.1	< 1.1 Y
309-00-2	Aldrin	0.97	< 0.97 U
1024-57-3	Heptachlor Epoxide	12	< 12 Y
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	4.0	< 4.0 Y
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U
118-74-1	Hexachlorobenzene	0.97	< 0.97 U
87-68-3	Hexachlorobutadiene	0.97	< 0.97 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	105%
Tetrachlorometaxylene	73.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS96-010
 SAMPLE

Lab Sample ID: HQ27E
 LIMS ID: 05-1483
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/02/05

QC Report No: HQ27-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/21/05
 Date Received: 01/21/05

Date Extracted: 01/28/05
 Date Analyzed: 02/01/05 04:18
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.1
 Percent Moisture: 55.6%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
26880-48-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U


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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	72.5%
Tetrachlorometaxylene	71.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS-99-010
 SAMPLE

Lab Sample ID: HP90F
 LIMS ID: 05-1224
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 02/01/05

QC Report No: HP90-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/19/05
 Date Received: 01/19/05

Date Extracted: 01/28/05
 Date Analyzed: 01/31/05 19:17
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.4
 Percent Moisture: 38.3%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
26880-48-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U


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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	84.5%
Tetrachlorometaxylene	78.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS104-010
SAMPLE

Lab Sample ID: HQ56D
LIMS ID: 05-1730
Matrix: Sediment
Data Release Authorized: 
Reported: 02/04/05

QC Report No: HQ56-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Date Extracted: 02/01/05
Date Analyzed: 02/03/05 09:40
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.8 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.8
Percent Moisture: 39.3%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	0.97	< 0.97 U
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	< 0.97 U
76-44-8	Heptachlor	0.97	< 0.97 U
309-00-2	Aldrin	0.97	< 0.97 U
1024-57-3	Heptachlor Epoxide	0.97	< 0.97 U
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	1.9	< 1.9 U
72-55-9	4,4'-DDE	1.9	< 1.9 U
72-20-8	Endrin	1.9	< 1.9 U
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	1.9	< 1.9 U
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	1.9	< 1.9 U
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U
118-74-1	Hexachlorobenzene	0.97	< 0.97 U
87-68-3	Hexachlorobutadiene	0.97	< 0.97 U
789-02-6	2,4'-DDT	1.9	< 1.9 U
3424-82-6	2,4'-DDE	1.9	< 1.9 U
53-19-0	2,4'-DDD	1.9	< 1.9 U
27304-13-8	oxy Chlordane	1.9	< 1.9 U
5103-73-1	cis-Nonachlor	1.9	< 1.9 U
39765-80-5	trans-Nonachlor	1.9	< 1.9 U
2385-85-5	Mirex	1.9	< 1.9 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	94.5%
Tetrachlorometaxylene	84.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS113B-010
SAMPLE

Lab Sample ID: HQ17C
LIMS ID: 05-1407
Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 01/31/05 20:58
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisol Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 7.2
Percent Moisture: 45.1%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 4.7 Y
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
26880-48-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	74.2%
Tetrachlorometaxylene	73.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS115-010
SAMPLE

Lab Sample ID: HQ56G
 LIMS ID: 05-1733
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/04/05

QC Report No: HQ56-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/25/05
 Date Received: 01/26/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 10:14
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.4
 Percent Moisture: 43.6%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	11	< 11 Y
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	20	< 20 Y
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	3.8	< 3.8 Y
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	15	< 15 Y
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	104%
Tetrachlorometaxylene	85.2%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS116-010
SAMPLE

Lab Sample ID: HQ17F
LIMS ID: 05-1410
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 01/31/05 22:40
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 7.5
Percent Moisture: 36.8%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
26880-48-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	91.8%
Tetrachlorometaxylene	79.0%

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Sample ID: LDW-SS125-010
SAMPLE

Lab Sample ID: HQ17D
 LIMS ID: 05-1408
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/20/05
 Date Received: 01/21/05

Date Extracted: 01/28/05
 Date Analyzed: 01/31/05 21:32
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.5
 Percent Moisture: 49.1%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	0.97	< 0.97 U
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	< 0.97 U
76-44-8	Heptachlor	0.97	< 0.97 U
309-00-2	Aldrin	0.97	< 0.97 U
1024-57-3	Heptachlor Epoxide	0.97	< 0.97 U
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	1.9	< 1.9 U
72-55-9	4,4'-DDE	1.9	< 1.9 U
72-20-8	Endrin	1.9	< 1.9 U
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	1.9	< 1.9 U
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	1.9	< 1.9 U
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U
118-74-1	Hexachlorobenzene	0.97	< 0.97 U
87-68-3	Hexachlorobutadiene	0.97	< 0.97 U
789-02-6	2,4'-DDT	1.9	< 1.9 U
3424-82-6	2,4'-DDE	1.9	< 1.9 U
53-19-0	2,4'-DDD	1.9	< 1.9 U
26880-48-8	oxy Chlordane	1.9	< 1.9 U
5103-73-1	cis-Nonachlor	1.9	< 1.9 U
39765-80-5	trans-Nonachlor	1.9	< 1.9 U
2385-85-5	Mirex	1.9	< 1.9 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	74.2%
Tetrachlorometaxylene	75.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS126-010
SAMPLE

Lab Sample ID: HQ17E
LIMS ID: 05-1409
Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 01/31/05 22:06
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.3 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 7.4
Percent Moisture: 47.8%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	0.99	< 0.99 U
319-86-8	delta-BHC	0.99	< 0.99 U
58-89-9	gamma-BHC (Lindane)	0.99	< 0.99 U
76-44-8	Heptachlor	0.99	< 0.99 U
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	0.99	< 0.99 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.9	< 9.9 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.99	< 0.99 U
5103-71-9	alpha Chlordane	0.99	< 0.99 U
8001-35-2	Toxaphene	99	< 99 U
118-74-1	Hexachlorobenzene	0.99	< 0.99 U
87-68-3	Hexachlorobutadiene	0.99	< 0.99 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
26880-48-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	78.8%
Tetrachlorometaxylene	69.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS127-010
SAMPLE

Lab Sample ID: HQ17G
LIMS ID: 05-1411
Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Date Extracted: 01/28/05
Date Analyzed: 02/01/05 02:03
Instrument/Analyst: ECD4/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.3 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 7.1
Percent Moisture: 64.1%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	14	< 14 Y
319-86-8	delta-BHC	0.99	< 0.99 U
58-89-9	gamma-BHC (Lindane)	0.99	< 0.99 U
76-44-8	Heptachlor	0.99	< 0.99 U
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	0.99	< 0.99 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 5.4 Y
72-43-5	Methoxychlor	9.9	< 9.9 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.99	< 0.99 U
5103-71-9	alpha Chlordane	0.99	< 0.99 U
8001-35-2	Toxaphene	99	< 99 U
118-74-1	Hexachlorobenzene	0.99	< 0.99 U
87-68-3	Hexachlorobutadiene	0.99	< 0.99 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
26880-48-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	86.5%
Tetrachlorometaxylene	71.0%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS128-010
 SAMPLE

Lab Sample ID: HQ48J
 LIMS ID: 05-1651
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 01:12
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.1 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.2
 Percent Moisture: 63.2%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	1.0	< 1.0 U
319-85-7	beta-BHC	1.0	< 1.0 U
319-86-8	delta-BHC	1.0	< 1.0 U
58-89-9	gamma-BHC (Lindane)	1.0	< 1.0 U
76-44-8	Heptachlor	1.0	< 1.0 U
309-00-2	Aldrin	1.0	< 1.0 U
1024-57-3	Heptachlor Epoxide	1.0	< 1.0 U
959-98-8	Endosulfan I	1.0	< 1.0 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	10	< 10 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	1.0	< 1.0 U
5103-71-9	alpha Chlordane	1.0	< 1.0 U
8001-35-2	Toxaphene	100	< 100 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
789-02-6	2,4'-DDT	2.0	< 2.0 U
3424-82-6	2,4'-DDE	2.0	< 2.0 U
53-19-0	2,4'-DDD	2.0	< 2.0 U
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	2.0	< 2.0 U
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	2.0	< 2.0 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	100%
Tetrachlorometaxylene	72.0%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS129-010
SAMPLE

Lab Sample ID: HQ17I
 LIMS ID: 05-1413
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/03/05

QC Report No: HQ17-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/20/05
 Date Received: 01/21/05

Date Extracted: 01/28/05
 Date Analyzed: 02/01/05 02:37
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.9 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.5
 Percent Moisture: 44.6%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.96	< 0.96 U
319-85-7	beta-BHC	0.96	< 0.96 U
319-86-8	delta-BHC	0.96	< 0.96 U
58-89-9	gamma-BHC (Lindane)	0.96	< 0.96 U
76-44-8	Heptachlor	0.96	< 0.96 U
309-00-2	Aldrin	0.96	< 0.96 U
1024-57-3	Heptachlor Epoxide	0.96	< 0.96 U
959-98-8	Endosulfan I	0.96	< 0.96 U
60-57-1	Dieldrin	1.9	< 1.9 U
72-55-9	4,4'-DDE	1.9	< 1.9 U
72-20-8	Endrin	1.9	< 1.9 U
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	1.9	< 1.9 U
72-43-5	Methoxychlor	9.6	< 9.6 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	1.9	< 1.9 U
5103-74-2	gamma Chlordane	0.96	< 0.96 U
5103-71-9	alpha Chlordane	0.96	< 0.96 U
8001-35-2	Toxaphene	96	< 96 U
118-74-1	Hexachlorobenzene	0.96	< 0.96 U
87-68-3	Hexachlorobutadiene	0.96	< 0.96 U
789-02-6	2,4'-DDT	1.9	< 1.9 U
3424-82-6	2,4'-DDE	1.9	< 1.9 U
53-19-0	2,4'-DDD	1.9	< 1.9 U
26880-48-8	oxy Chlordane	1.9	< 1.9 U
5103-73-1	cis-Nonachlor	1.9	< 1.9 U
39765-80-5	trans-Nonachlor	1.9	< 1.9 U
2385-85-5	Mirex	1.9	< 1.9 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	92.5%
Tetrachlorometaxylene	77.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
 Page 1 of 1

Sample ID: LDW-SS134-010
SAMPLE

Lab Sample ID: HQ48V
 LIMS ID: 05-1663
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 02/09/05

QC Report No: HQ48-Windward Environmental, LLC
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Date Extracted: 02/01/05
 Date Analyzed: 02/03/05 06:51
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.9 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 8.2
 Percent Moisture: 26.5%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	0.97	< 0.97 U
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	< 0.97 U
76-44-8	Heptachlor	0.97	< 0.97 U
309-00-2	Aldrin	0.97	< 0.97 U
1024-57-3	Heptachlor Epoxide	0.97	< 0.97 U
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	1.9	< 1.9 U
72-55-9	4,4'-DDE	1.9	< 1.9 U
72-20-8	Endrin	1.9	< 1.9 U
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	1.9	< 1.9 U
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	1.9	< 1.9 U
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U
118-74-1	Hexachlorobenzene	0.97	< 0.97 U
87-68-3	Hexachlorobutadiene	0.97	< 0.97 U
789-02-6	2,4'-DDT	1.9	< 1.9 U
3424-82-6	2,4'-DDE	1.9	< 1.9 U
53-19-0	2,4'-DDD	1.9	< 1.9 U
27304-13-8	oxy Chlordane	1.9	< 1.9 U
5103-73-1	cis-Nonachlor	1.9	< 1.9 U
39765-80-5	trans-Nonachlor	1.9	< 1.9 U
2385-85-5	Mirex	1.9	< 1.9 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	82.5%
Tetrachlorometaxylene	74.5%

LDW and reference surface sediment samples: Grain size

Winward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay		
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0
LDW-SS4-010	2.7	2.6	2.5	4.1	5.7	7.2	8.3	12.5	14.1	12.3	8.4	6.5	13.2
LDW-SS4-010	1.8	1.3	2.6	5.0	6.2	7.3	8.9	12.1	15.1	11.3	8.8	6.4	13.3
LDW-SS4-010	1.6	1.3	2.4	4.4	5.9	7.2	9.1	12.6	14.6	11.9	9.2	6.5	13.4
LDW-SS1-010	0.6	1.0	10.9	46.1	26.7	5.4	1.2	1.3	1.6	1.6	1.1	0.9	1.6
LDW-SS5-010	9.6	2.4	18.3	50.0	16.0	0.9	0.3	0.4	0.4	0.3	0.3	0.2	0.9
LDW-SS10-010	0.5	0.6	3.0	5.1	5.7	8.3	9.1	15.1	17.4	11.9	7.7	5.3	10.4
LDW-SS12-010	1.7	1.8	5.7	18.6	17.6	12.3	4.7	9.3	8.1	6.3	4.3	3.1	6.6
LDW-SS14-010	28.1	5.6	12.6	29.3	17.6	3.2	0.7	0.3	0.4	0.4	0.5	0.3	0.8
LDW-SS15-010	0.0	0.4	1.3	6.4	6.7	11.2	11.3	14.5	16.3	10.0	7.0	4.6	10.3
LDW-SS22-010	0.7	1.5	3.3	8.8	17.0	16.1	13.7	10.8	9.3	5.3	3.7	2.8	7.0
LDW-SS13-010	2.4	1.2	1.9	5.7	11.6	13.3	11.8	13.2	12.0	8.9	5.6	4.0	8.2

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

HP67

0
0

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay		
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0
TRIP 1	2.7	2.6	2.5	4.1	5.7	7.2	8.3	12.5	14.1	12.3	8.4	6.5	13.2
TRIP 2	1.8	1.3	2.6	5.0	6.2	7.3	8.9	12.1	15.1	11.3	8.8	6.4	13.3
TRIP 3	1.6	1.3	2.4	4.4	5.9	7.2	9.1	12.6	14.6	11.9	9.2	6.5	13.4
LDW-SS23-010	0.8	2.3	12.1	41.9	21.0	5.0	2.8	4.6	1.4	2.4	1.8	1.4	2.6
LDW-SS26-010	0.8	1.1	1.6	5.8	9.2	15.5	16.1	12.1	12.3	8.6	5.0	3.7	8.2
LDW-SS27-010	1.4	1.7	3.9	11.9	21.7	21.6	7.8	9.9	7.6	3.5	2.6	1.5	4.8
LDW-SS200-010	1.3	2.1	3.9	12.4	21.5	22.0	8.4	9.2	7.5	3.2	2.2	1.7	4.7
LDW-SS32-010	3.5	2.1	2.5	7.0	9.5	7.4	8.5	12.9	14.9	10.7	6.1	4.9	10.0
LDW-SS37-010	5.1	4.4	8.6	9.5	3.8	4.9	6.2	12.4	17.2	9.1	5.5	4.3	9.0
LDW-SS38-010	0.7	1.3	4.6	7.5	4.6	7.5	10.4	16.8	15.9	10.8	6.0	4.6	9.3
LDW-SS40-010	2.3	2.8	7.4	13.8	7.5	8.4	9.2	11.6	13.4	7.9	4.6	4.0	7.3
LDW-SS48-010	29.3	5.5	12.4	18.1	10.6	7.4	0.2	2.7	3.1	3.0	2.5	1.8	3.5
LDW-SS51-010	0.5	2.5	2.4	4.1	3.5	10.2	12.8	17.0	15.3	9.0	5.9	4.7	12.0

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

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Windward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel > #10 (2000)	Very Coarse Sand 10 to 18 (2000-10000)	Coarse Sand 18-35 (1000-5000)	Medium Sand 35-60 (500-2500)	Fine Sand 60-120 (250-125)	Very Fine Sand 120-230 (125-62)	Coarse Silt 62.5-31.0	Medium Silt 31.0-15.6	Fine Silt 15.6-7.8	Very Fine Silt 7.8-3.9	Clay		
											8 to 9	9 to 10	< 10
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-10000)	18-35 (1000-5000)	35-60 (500-2500)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	< 1.0
SS17	0.8	0.1	3.9	7.6	13.6	12.5	14.8	3.6	12.9	8.9	6.0	4.6	10.7
SS17	0.4	0.9	2.8	7.2	13.6	12.4	8.1	11.0	12.6	9.1	6.3	5.1	10.6
SS17	1.4	0.9	0.9	2.7	20.5	9.4	8.6	10.9	13.1	9.6	6.4	4.9	10.6
SS50	0.8	0.7	3.6	11.2	8.7	8.3	12.0	12.9	16.8	8.7	4.4	4.2	7.8
SS55	0.2	0.8	6.6	13.8	5.1	10.6	13.4	14.0	11.8	8.0	4.4	3.6	7.6
SS72	5.4	1.8	2.1	3.8	4.7	10.6	9.4	15.5	16.0	9.6	6.3	5.0	9.9
SS79	2.1	1.0	3.3	8.0	6.0	12.9	21.4	17.0	11.0	6.5	3.2	2.1	5.6
SS54	6.2	2.2	6.3	17.8	13.0	6.3	5.8	10.9	12.3	5.7	4.2	3.0	6.3
SS202	0.7	0.7	3.7	10.9	8.0	8.3	15.1	14.5	18.4	6.3	3.6	3.1	6.8
SS42	10.6	3.4	2.5	2.5	2.7	4.6	7.9	15.9	16.4	10.6	6.6	5.2	11.2
SS102	0.3	0.7	8.3	37.1	16.1	13.4	6.3	5.7	3.8	2.3	2.3	1.4	2.4
SS128	0.0	0.3	0.8	1.1	1.1	1.6	5.5	23.7	24.4	13.8	7.7	5.4	14.6
SS142	0.3	0.6	2.2	5.9	16.6	26.7	14.0	10.7	7.5	5.0	2.9	1.8	5.9
SS123	0.5	4.4	25.9	32.0	5.7	4.5	4.1	6.8	5.1	3.5	2.0	1.7	3.8
SS203	4.0	4.0	25.5	31.9	5.2	4.5	3.6	5.6	5.0	3.4	2.1	1.4	3.7
SS64	38.6	7.2	7.7	9.3	5.8	4.5	2.8	7.1	5.5	3.5	4.2	0.2	4.0
SS83	0.9	1.8	5.1	14.7	10.6	15.0	11.7	13.3	8.9	5.8	3.5	2.6	6.1
SS36	1.6	1.2	2.6	5.0	6.6	8.2	9.1	14.6	15.9	11.2	6.9	5.2	12.0
SS58	1.0	0.6	4.0	9.4	7.4	11.4	9.9	14.8	13.2	9.1	6.0	3.8	9.4
SS67	0.1	0.7	2.5	7.3	7.4	12.9	13.7	16.5	15.0	6.6	4.4	3.4	9.4
SS56	5.9	2.4	9.7	20.0	21.6	19.1	3.6	4.5	3.8	2.3	2.3	1.2	3.6
SS28	2.3	1.9	1.4	9.3	16.9	31.8	12.8	5.7	4.5	3.5	3.0	1.9	5.0

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

Windward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay		
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0
LDW-SS-119-010	2.8	0.8	2.8	8.6	15.9	21.0	13.3	13.2	8.0	5.2	3.1	2.1	3.1
LDW-SS-119-010	1.6	0.9	2.9	8.3	16.4	20.3	14.2	13.6	8.0	5.3	2.8	2.4	3.3
LDW-SS-119-010	1.2	0.9	2.8	8.5	15.8	21.7	15.1	12.1	8.2	5.4	3.0	2.2	3.3
LDW-SS-112-010	2.4	2.0	4.8	20.0	18.1	14.6	11.0	8.5	6.7	3.8	2.7	2.0	3.4
LDW-SS-120-010	1.3	1.6	5.0	11.0	13.1	14.0	12.6	15.4	10.3	7.0	3.1	2.1	3.5
LDW-SS-60-010	3.5	1.7	6.2	29.8	32.5	11.5	2.6	2.6	2.8	2.4	1.6	1.1	1.7
LDW-SS-99-010	2.7	0.5	4.9	16.1	18.1	21.0	13.2	8.8	5.8	3.5	1.8	1.1	2.5
LDW-SS-89-010	0.5	1.8	21.2	33.6	11.9	14.7	5.4	3.2	2.5	1.7	1.1	0.7	1.6
LDW-SS-201-010	0.5	1.7	21.2	33.1	12.3	14.7	5.6	3.1	2.6	1.7	1.1	0.7	1.7

Notes to the Testing:

- Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

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Windward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay		
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0
SS87	0.2	0.4	1.0	4.8	7.2	17.9	14.4	17.0	13.3	8.4	5.4	3.3	6.6
SS87	0.1	0.2	0.6	4.9	6.9	18.1	13.2	18.8	13.4	9.0	4.8	3.2	6.8
SS87	0.4	0.4	2.0	3.9	6.6	17.8	14.5	16.6	13.8	8.7	5.2	3.3	6.7
SS43	10.5	1.8	3.0	6.8	3.5	4.1	6.7	16.2	23.3	7.3	4.8	3.6	8.4
SS44	61.7	2.0	2.2	4.9	5.1	2.3	2.1	4.4	4.7	3.5	2.2	1.7	3.2
SS94	8.6	1.3	11.1	29.0	12.8	8.5	4.7	7.8	6.3	4.0	2.2	1.3	2.5
SS96	0.3	0.5	2.3	6.1	4.8	13.1	14.9	18.1	14.7	9.5	4.9	3.6	7.4
SS97	7.3	7.9	24.3	24.5	10.8	8.5	4.6	3.7	2.9	2.1	1.2	0.9	1.3
SS31	2.1	1.5	2.6	5.7	6.3	4.9	5.9	13.6	18.9	13.5	8.2	5.7	11.2
SS67	0.3	2.2	26.2	51.7	11.0	2.2	1.7	1.1	1.0	0.8	0.6	0.5	0.5
SS63	2.7	2.7	13.7	36.1	18.4	5.8	3.1	4.1	4.1	3.1	1.9	1.4	2.8
SS75	2.7	2.1	8.4	25.4	14.6	19.1	6.4	5.5	4.4	3.5	2.6	1.4	3.8
SS70	2.7	3.2	7.9	18.7	17.2	10.8	5.2	8.4	7.2	5.6	3.5	2.5	7.0

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

Windward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay		
											> -1	10 to 18 (2000-1000)	18-35 (1000-500)
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	< 1.0
SS87	0.2	0.4	1.0	4.8	7.2	17.9	14.4	17.0	13.3	8.4	5.4	3.3	6.6
SS87	0.1	0.2	0.6	4.9	6.9	18.1	13.2	18.8	13.4	9.0	4.8	3.2	6.8
SS87	0.4	0.4	2.0	3.9	6.6	17.8	14.5	16.6	13.8	8.7	5.2	3.3	6.7
SS101	0.6	1.7	15.3	48.8	21.1	5.0	1.8	1.3	1.4	1.0	0.9	0.5	0.6

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

Windward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay		
											7 to 8	8 to 9	9 to 10
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	<10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0
LDW-SS-119-010	2.8	0.8	2.8	8.6	15.9	21.0	13.3	13.2	8.0	5.2	3.1	2.1	3.1
LDW-SS-119-010	1.6	0.9	2.9	8.3	16.4	20.3	14.2	13.6	8.0	5.3	2.8	2.4	3.3
LDW-SS-119-010	1.2	0.9	2.8	8.5	15.8	21.7	15.1	12.1	8.2	5.4	3.0	2.2	3.3
LDW-SS-111-010	7.5	3.8	7.6	13.3	13.2	10.9	9.3	11.6	8.7	5.5	3.1	2.1	3.5

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

HP90

#REF!
LDW RI Surface Sediment Chemistry

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	8 to 9	9 to 10	Clay
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-250 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0
LDW-SS114-010-A	2.1	2.1	4.0	13.3	16.8	16.6	14.6	11.2	7.2	4.1	2.8	1.8	3.3
LDW-SS114-010-B	2.5	1.9	4.1	13.0	17.2	16.5	13.9	11.8	7.3	4.1	2.7	1.7	3.2
LDW-SS114-010-C	3.8	2.0	0.9	16.3	16.6	16.6	13.7	11.5	6.8	4.1	2.6	1.8	3.3
LDW-SS117-010	7.5	3.1	3.5	5.1	12.0	16.2	15.0	21.4	1.3	5.8	3.3	2.3	3.5
LDW-SS113B	0.7	0.7	1.9	2.2	7.6	17.5	21.3	20.2	11.7	5.5	3.8	2.1	4.8
LDW-SS125-010	0.0	0.2	0.9	1.4	5.2	16.4	25.6	19.4	13.7	7.1	4.4	2.2	3.5
LDW-SS126-010	0.0	0.2	1.2	2.0	9.6	20.0	20.2	18.8	11.4	6.4	4.4	2.3	3.5
LDW-SS116-010	1.3	1.0	6.5	22.4	21.2	15.3	10.3	7.8	5.3	3.1	2.4	1.8	1.8
LDW-SS127-010	0.4	0.4	0.6	2.6	2.8	2.6	8.0	22.4	25.5	15.3	7.4	3.9	7.9
LDW-SS130-010	0.0	0.2	0.6	3.9	10.9	8.1	8.9	19.0	17.9	13.1	6.2	3.8	7.2
LDW-SS129-010	0.1	0.2	1.5	22.4	33.1	10.1	3.2	10.8	8.6	4.4	1.8	1.3	2.6
LDW-SS118-010	0.3	0.3	0.4	1.9	4.1	16.8	23.4	18.8	11.6	7.1	4.1	2.8	8.4
LDW-SS76-010	1.0	0.6	1.3	3.5	2.8	6.8	10.7	19.8	18.4	13.4	6.5	4.2	11.0
LDW-SS84-010	5.7	2.5	7.0	26.1	21.2	8.2	2.7	6.2	7.6	5.7	2.6	1.1	3.2

Notes to the Testing:

- Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

Windward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay		
											8 to 9	9 to 10	< 10
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0
SS134	0.3	0.4	3.5	14.0	10.9	24.8	24.8	11.1	4.4	2.1	1.3	0.8	1.7
SS134	0.3	0.5	3.5	14.2	11.0	24.8	23.5	11.9	4.5	3.9	0.2	0.0	1.8
SS134	0.5	0.3	3.6	13.8	11.3	24.7	23.0	12.6	4.1	2.2	1.4	0.7	1.8

Notes to the Testing:
1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

Windward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay		
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0
SS134	0.3	0.4	3.5	14.0	10.9	24.8	24.8	11.1	4.4	2.1	1.3	0.8	1.7
SS134	0.3	0.5	3.5	14.2	10.9	24.8	23.6	11.9	4.5	3.9	0.2	0.0	1.8
SS134	0.5	0.3	3.6	13.8	11.3	24.7	23.0	12.6	4.1	2.2	1.4	0.7	1.8
SS33	3.9	1.6	3.0	9.6	20.3	34.5	15.0	4.5	1.9	1.5	1.3	1.0	1.9
SS49	5.1	7.4	11.8	10.0	4.0	3.9	6.1	11.1	11.7	8.6	6.4	4.3	9.6
SS143	12.2	13.8	8.4	0.9	7.2	13.3	12.6	10.8	7.6	5.1	3.4	2.2	2.7

Notes to the Testing:

- Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

HQ57

Windward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel > #10 (2000)	Very Coarse Sand 10 to 18 (2000-1000)	Coarse Sand 0 to 1 18-35 (1000-500)	Medium Sand 1 to 2 35-60 (500-250)	Fine Sand 2 to 3 60-120 (250-125)	Very Fine Sand 3 to 4 120-230 (125-62)	Coarse Silt 4 to 5 62.5-31.0	Medium Silt 5 to 6 31.0-15.6	Fine Silt 6 to 7 15.6-7.8	Very Fine Silt 7 to 8 7.8-3.9	%		
											8 to 9 3.9-2.0	9 to 10 2.0-1.0	< 10 < 1.0
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	< 1.0
SS134	0.3	0.4	3.5	14.0	10.9	24.8	24.8	11.1	4.4	2.1	1.3	0.8	1.7
SS134	0.3	0.5	3.5	14.2	10.9	24.8	23.6	11.9	4.5	3.9	0.2	0.0	1.8
SS134	0.5	0.3	3.6	13.8	11.3	24.7	23.0	12.6	4.1	2.2	1.4	0.7	1.8
SS62	0.0	0.8	4.4	5.7	3.2	8.1	12.6	18.8	15.5	11.0	6.4	4.3	9.5
SS92	2.7	1.2	12.2	28.8	15.7	14.2	6.4	5.8	4.1	3.1	1.9	1.3	2.4
SS104	0.2	0.8	4.0	23.3	22.3	17.0	8.0	8.0	5.6	3.9	2.8	1.7	2.5
SS110	4.4	4.2	7.9	12.7	11.3	9.0	10.7	13.8	11.1	5.6	3.4	2.1	3.7
SS109	10.3	4.6	7.0	13.8	11.3	7.4	12.3	10.4	7.9	5.5	3.1	2.2	4.3
SS115	53.3	3.0	4.8	15.0	9.0	2.8	0.6	3.5	2.8	2.0	1.2	0.8	1.1
SS121	24.3	4.2	7.6	19.2	12.6	6.9	2.8	5.8	5.5	3.8	2.7	1.8	2.8
SS88	3.8	1.2	7.3	18.7	7.7	8.4	9.2	11.7	12.3	7.7	3.9	2.5	5.5

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

HQ56

Windward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay		
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0
TRIP 1	0.0	0.0	0.1	0.7	1.0	3.1	11.7	17.6	17.5	13.7	11.6	7.5	15.4
TRIP 2	0.0	0.0	0.4	0.7	1.0	2.9	10.1	18.3	17.5	14.0	12.1	7.6	15.5
TRIP 3	0.0	0.0	1.0	0.7	1.0	3.2	11.1	17.5	16.8	14.0	11.6	7.5	15.6
LDW-SSCR20-010	0.0	0.1	0.0	0.7	2.6	18.9	35.2	24.7	7.3	2.5	1.7	1.4	4.9
LDW-SSCR23-010	0.0	0.0	0.4	1.8	8.5	40.7	26.9	8.9	3.9	1.9	1.3	1.3	4.4
LDW-MSMP43-010	0.0	0.0	1.0	19.0	60.0	13.0	1.4	0.8	0.5	0.6	0.6	0.8	2.2

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

HQ93

LDW and reference surface sediment samples: Conventionals

SAMPLE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AA*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Client ID: LDW-SS1-010
ARI ID: 05-1082 HP67A

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	70.80
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	71.90
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.12	3.58
Sulfide	01/20/05 012005#1	EPA 376.2	mg/kg	2.9	15
Total Organic Carbon	01/24/05 012405#1	Plumb,1981	Percent	0.020	1.58

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *RA*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HP67A Client ID: LDW-SS1-010					
Total Solids	01/20/05	Percent	70.80	71.60 70.30	0.9%
Preserved Total Solids	01/19/05	Percent	71.90	72.60 72.90	0.7%
N-Ammonia	01/21/05	mg-N/kg	3.58	3.56	0.6%
ARI ID: HP67D Client ID: LDW-SS10-010					
Total Organic Carbon	01/24/05	Percent	1.63	2.17 1.95	14.2%
ARI ID: HP67J Client ID: LDW-SS13-010					
Sulfide	01/21/05	mg/kg	130	150	14.3%

SAMPLE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *MR*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Client ID: LDW-SS4-010
ARI ID: 05-1083 HP67B

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	44.90
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	41.60
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.21	19.6
Sulfide	01/20/05 012005#1	EPA 376.2	mg/kg	19	290
Total Organic Carbon	01/24/05 012405#1	Plumb, 1981	Percent	0.020	2.50

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *017*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Client ID: LDW-SS5-010
ARI ID: 05-1084 HP67C

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	78.70
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	77.80
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.12	0.25
Sulfide	01/20/05 012005#1	EPA 376.2	mg/kg	4.0	18
Total Organic Carbon	01/24/05 012405#1	Plumb,1981	Percent	0.020	0.732

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *atp*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Client ID: LDW-SS10-010
ARI ID: 05-1085 HP67D

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	47.10
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	44.60
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.21	7.00
Sulfide	01/20/05 012005#1	EPA 376.2	mg/kg	8.0	90
Total Organic Carbon	01/24/05 012405#1	Plumb, 1981	Percent	0.020	1.63

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *01-17*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Client ID: LDW-SS12-010
ARI ID: 05-1086 HP67E

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	58.20
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	59.50
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.17	6.67
Sulfide	01/20/05 012005#1	EPA 376.2	mg/kg	35	190
Total Organic Carbon	01/24/05 012405#1	Plumb, 1981	Percent	0.020	1.88

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *QAR*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Client ID: LDW-SS13-010
ARI ID: 05-1091 HP67J

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	52.10
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	50.90
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.19	6.95
Sulfide	01/21/05 012105#1	EPA 376.2	mg/kg	13	130
Total Organic Carbon	01/24/05 012405#1	Plumb,1981	Percent	0.020	1.80

RL Analytical reporting limit
U Undetected at reported detection limit.

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *axp*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Client ID: LDW-SS14-010
ARI ID: 05-1087 HP67F

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	76.20
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	77.80
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.11	2.47
Sulfide	01/20/05 012005#1	EPA 376.2	mg/kg	2.9	< 2.9 U
Total Organic Carbon	01/24/05 012405#1	Plumb, 1981	Percent	0.020	0.790

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 01/27/05 *2-2*

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Client ID: LDW-SS15-010
ARI ID: 05-1088 HP67G

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	49.70
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	45.50
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.18	11.3
Sulfide	01/20/05 012005#1	EPA 376.2	mg/kg	8.1	32
Total Organic Carbon	01/24/05 012405#1	Plumb, 1981	Percent	0.020	1.79

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *ATP*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS17-010
ARI ID: 05-1642 HQ48A

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	56.90
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	62.10
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.16	4.44
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	6.7	45
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.75

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *DA*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Client ID: LDW-SS17-010
ARI ID: 05-1089 HP67H

Analyte	Date	Method	Units	RL	Sample
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	59.80

RL Analytical reporting limit
U Undetected at reported detection limit

REPLICATE RESULTS-CONVENTIONALS
 HQ48-Windward Environmental, LLC



Matrix: Sediment
 Data Release Authorized: *awp*
 Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
 Event: 04-08-06-24
 Date Sampled: 01/24/05
 Date Received: 01/24/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HQ48A Client ID: LDW-SS17-010					
Total Solids	01/26/05	Percent	56.90	57.00 56.80	0.2%
Preserved Total Solids	01/26/05	Percent	62.10	62.20 61.40	0.7%
N-Ammonia	01/31/05	mg-N/kg	4.44	4.46	0.4%
Total Organic Carbon	01/31/05	Percent	1.75	1.80 1.59	6.4%
ARI ID: HQ48E Client ID: LDW-SS79-010					
Sulfide	01/28/05	mg/kg	17	< 8.4	NA
ARI ID: HQ48S Client ID: LDW-SS57-010					
Sulfide	01/31/05	mg/kg	120	140	15.4%
ARI ID: HQ48U Client ID: LDW-SS28-010					
Total Solids	01/26/05	Percent	55.60	55.70 55.90	0.3%
Preserved Total Solids	01/26/05	Percent	56.90	56.40 56.70	0.4%
Total Organic Carbon	02/01/05	Percent	1.13	1.29 1.33	8.5%
ARI ID: HQ48V Client ID: LDW-SS134-010					
N-Ammonia	01/31/05	mg-N/kg	1.78	1.85	3.9%

SAMPLE RESULTS-CONVENTIONALS
HP67-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AK*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/17/05
Date Received: 01/17/05

Client ID: LDW-SS22-010
ARI ID: 05-1090 HP67I

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	62.30
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	63.60
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.30	21.8
Sulfide	01/20/05 012005#1	EPA 376.2	mg/kg	43	260
Total Organic Carbon	01/24/05 012405#1	Plumb, 1981	Percent	0.020	1.77

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AMP*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Client ID: LDW-SS23-010
ARI ID: 05-1099 HP70B

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	77.80
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	73.80
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.11	2.59
Sulfide	01/21/05 012105#1	EPA 376.2	mg/kg	2.2	< 2.2 U
Total Organic Carbon	01/24/05 012405#1	Plumb, 1981	Percent	0.020	1.23

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AAQ*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Client ID: LDW-SS26-010
ARI ID: 05-1100 HP70C

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	54.30
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	46.00
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.16	5.86
Sulfide	01/21/05 012105#1	EPA 376.2	mg/kg	6.4	64
Total Organic Carbon	01/24/05 012405#1	Plumb, 1981	Percent	0.020	1.81

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *aw*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Client ID: LDW-SS27-010
ARI ID: 05-1101 HP70D

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	47.30
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	44.30
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.20	5.59
Sulfide	01/21/05 012105#1	EPA 376.2	mg/kg	54	310
Total Organic Carbon	01/24/05 012405#1	Plumb, 1981	Percent	0.020	1.60

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 01/27/05 *AK*

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Client ID: LDW-SS200-010
ARI ID: 05-1102 HP70E

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	48.50
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	44.80
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.19	5.25
Sulfide	01/21/05 012105#1	EPA 376.2	mg/kg	37	220
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.68

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *DA*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS28-010
ARI ID: 05-1662 HQ48U

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#2	EPA 160.3	Percent	0.01	55.60
Preserved Total Solids	01/26/05 012605#2	EPA 160.3	Percent	0.01	56.90
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.17	3.60
Sulfide	01/31/05 013105#1	EPA 376.2	mg/kg	7.7	130
Total Organic Carbon	02/01/05 020105#1	Plumb, 1981	Percent	0.020	1.13

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *asg*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS31-010
ARI ID: 05-1485 HQ27G

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	45.20
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	44.20
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.22	12.7
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	60	820
Total Organic Carbon	01/28/05 012805#1	Plumb, 1981	Percent	0.020	2.17

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *HR*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Client ID: LDW-SS32-010
ARI ID: 05-1103 HP70F

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	48.70
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	47.90
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.20	8.98
Sulfide	01/21/05 012105#1	EPA 376.2	mg/kg	55	390
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	2.26

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONAL
HQ57-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AW*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/26/05
Date Received: 01/26/05

Client ID: LDW-SS33-010
ARI ID: 05-1736 HQ57A

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	66.30
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	67.00
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.14	2.86
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	2.6	< 2.6 U
Total Organic Carbon	02/01/05 020105#1	Plumb, 1981	Percent	0.020	1.66

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *and*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS36-010
ARI ID: 05-1658 HQ48Q

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	43.30
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	42.40
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.22	13.6
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	62	910
Total Organic Carbon	01/31/05 013105#1	Plumb,1981	Percent	0.020	1.89

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Client ID: LDW-SS37-010
ARI ID: 05-1104 HP70G

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	58.30
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	53.30
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.14	8.70
Sulfide	01/21/05 012105#1	EPA 376.2	mg/kg	46	650
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	2.33

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *awp*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Client ID: LDW-SS38-010
ARI ID: 05-1105 HP70H

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	47.10
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	40.50
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.18	8.48
Sulfide	01/21/05 012105#1	EPA 376.2	mg/kg	7.5	38
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.95

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AK*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Client ID: LDW-SS40-010
ARI ID: 05-1106 HP70I

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	56.10
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	39.30
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.16	7.05
Sulfide	01/21/05 012105#1	EPA 376.2	mg/kg	12	46
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.89

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS42-010
ARI ID: 05-1649 HQ48H

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	47.10
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	37.80
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.37	26.9
Sulfide	01/31/05 013105#1	EPA 376.2	mg/kg	.5.2	37
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	2.04

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *awr*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS43-010
ARI ID: 05-1479 HQ27A

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	50.80
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	48.20
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.37	28.8
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	66	1,300
Total Organic Carbon	01/28/05 012805#1	Plumb, 1981	Percent	0.020	1.65

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *aw*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HQ27A Client ID: LDW-SS43-010					
Total Solids	01/25/05	Percent	50.80	50.20 50.40	0.6%
Preserved Total Solids	01/25/05	Percent	48.20	48.10 48.80	0.8%
N-Ammonia	01/26/05	mg-N/kg	28.8	28.8	0.0%
Total Organic Carbon	01/28/05	Percent	1.65	1.77 1.62	4.7%
ARI ID: HQ27K Client ID: LDW-SS75-010					
Sulfide	01/28/05	mg/kg	24	10 19	40.2%

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AW*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS44-010
ARI ID: 05-1480 HQ27B

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	74.20
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	51.30
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.11	6.73
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	13	150
Total Organic Carbon	01/28/05 012805#1	Plumb, 1981	Percent	0.020	1.53

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 01/27/05 *aw*

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Client ID: LDW-SS48-010
ARI ID: 05-1107 HP70J

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	63.20
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	56.30
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.13	9.62
Sulfide	01/24/05 012405#1	EPA 376.2	mg/kg	5.7	82
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.36

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HP70J Client ID: LDW-SS48-010					
Sulfide	01/24/05	mg/kg	82	98	17.8%
ARI ID: HP70K Client ID: LDW-SS51-010					
N-Ammonia	01/21/05	mg-N/kg	8.07	8.05	0.2%

SAMPLE RESULTS-CONVENTIONALS
HQ57-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AD*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/26/05
Date Received: 01/26/05

Client ID: LDW-SS49-010
ARI ID: 05-1737 HQ57B

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	53.10
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	56.70
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.33	27.6
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	4.7	73
Total Organic Carbon	02/01/05 020105#1	Plumb, 1981	Percent	0.020	2.49

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AD*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS50-010
ARI ID: 05-1643 HQ48B

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	50.90
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	46.20
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.19	8.22
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	8.3	110
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.94

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05 *awp*

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS202-010
ARI ID: 05-1648 HQ48G

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	51.50
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	46.40
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.18	8.03
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	84	770
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.94

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP70-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AD*
Reported: 01/27/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/18/05
Date Received: 01/18/05

Client ID: LDW-SS51-010
ARI ID: 05-1108 HP70K

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	47.90
Preserved Total Solids	01/19/05 011905#2	EPA 160.3	Percent	0.01	39.60
N-Ammonia	01/21/05 012105#1	EPA 350.1M	mg-N/kg	0.20	8.07
Sulfide	01/21/05 012105#1	EPA 376.2	mg/kg	5.8	19
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	2.13

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ56-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *at*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Client ID: LDW-SS52-010
ARI ID: 05-1728 HQ56B

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	43.90
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	35.20
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.22	13.9
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	8.7	11
Total Organic Carbon	02/01/05 020105#1	Plumb,1981	Percent	0.020	2.40

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
 HQ56-Windward Environmental, LLC



Matrix: Sediment
 Data Release Authorized: *ptp*
 Reported: 02/04/05

Project: LDW-RI-Surface Sediment Chem
 Event: 04-08-06-24
 Date Sampled: 01/25/05
 Date Received: 01/26/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HQ56B Client ID: LDW-SS52-010					
Total Solids	01/31/05	Percent	43.90	44.60 44.50	0.9%
Preserved Total Solids	01/31/05	Percent	35.20	34.80 34.80	0.7%
N-Ammonia	01/31/05	mg-N/kg	13.9	13.8	0.7%
ARI ID: HQ56F Client ID: LDW-SS109-010					
Sulfide	02/02/05	mg/kg	< 6.6	< 5.4 < 8.0	NA

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS54-010
ARI ID: 05-1647 HQ48F

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	58.40
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	63.40
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.14	4.30
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	9.3	100
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	2.02

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AD*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS55-010
ARI ID: 05-1644 HQ48C

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	59.50
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	48.40
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.15	5.91
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	68	880
Total Organic Carbon	01/31/05 013105#1	Plumb,1981	Percent	0.020	1.53

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *ad*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS56-010
ARI ID: 05-1661 HQ48T

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#2	EPA 160.3	Percent	0.01	62.40
Preserved Total Solids	01/26/05 012605#2	EPA 160.3	Percent	0.01	62.00
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.15	1.83
Sulfide	01/31/05 013105#1	EPA 376.2	mg/kg	4.2	37
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.13

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *awp*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS57-010
ARI ID: 05-1660 HQ48S

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	50.00
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	46.20
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.19	5.63
Sulfide	01/31/05 013105#1	EPA 376.2	mg/kg	10	120
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.73

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05 *ADD*

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS58-010
ARI ID: 05-1659 HQ48R

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	50.70
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	53.80
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.19	2.82
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	18	250
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.78

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP90-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *awp*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Client ID: LDW-SS-60-010
ARI ID: 05-1223 HP90E

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	68.00
Preserved Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	67.60
N-Ammonia	01/25/05 012505#3	EPA 350.1M	mg-N/kg	0.14	2.53
Sulfide	01/25/05 012505#1	EPA 376.2	mg/kg	3.3	< 3.3 U
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.08

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *art*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS63-010
ARI ID: 05-1487 HQ27I

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	63.90
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	69.40
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.14	13.2
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	3.6	41
Total Organic Carbon	01/28/05 012805#1	Plumb,1981	Percent	0.020	2.39

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *ADP*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS64-010
ARI ID: 05-1656 HQ480

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	58.10
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	54.50
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.16	9.68
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	15	200
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.69

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *awp*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS67-010
ARI ID: 05-1486 HQ27H

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	75.50
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	71.00
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.12	3.46
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	34	130
Total Organic Carbon	01/28/05 012805#1	Plumb,1981	Percent	0.020	0.620

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *aw*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS70-010
ARI ID: 05-1488 HQ27J

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	56.30
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	57.30
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.17	8.34
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	40	320
Total Organic Carbon	01/28/05 012805#1	Plumb, 1981	Percent	0.020	3.05

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *atp*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS72-010
ARI ID: 05-1645 HQ48D

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	45.40
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	43.20
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.41	39.1
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	58	170
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	2.54

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *awp*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS75-010
ARI ID: 05-1489 HQ27K

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	57.30
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	55.10
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.17	1.97
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	9.6	24
Total Organic Carbon	01/28/05 012805#1	Plumb, 1981	Percent	0.020	1.75

RL Analytical reporting limit
U Undetected at reported detection limit.

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AA*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS76-010
ARI ID: 05-1415 HQ17K

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	44.60
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	36.10
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.22	14.8
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	12	140
Total Organic Carbon	01/26/05 012605#1	Plumb, 1981	Percent	0.020	2.17

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *art*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HQ17A Client ID: LDW-SS114-010					
Total Solids	01/24/05	Percent	57.40	58.30 58.80	1.2%
Preserved Total Solids	01/24/05	Percent	55.10	55.20 55.20	0.1%
N-Ammonia	01/25/05	mg-N/kg	2.69	2.72	1.1%
Total Organic Carbon	01/25/05	Percent	1.60	1.47 1.44	5.7%
ARI ID: HQ17K Client ID: LDW-SS76-010					
Sulfide	01/27/05	mg/kg	140	160 170	9.8%

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *per*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS79-010
ARI ID: 05-1646 HQ48E

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	50.60
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	34.40
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.18	11.3
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	8.1	17
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.45

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *ajf*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS83-010
ARI ID: 05-1657 HQ48P

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	47.80
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	37.80
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.19	17.7
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	38	480
Total Organic Carbon	01/31/05 013105#1	Plumb,1981	Percent	0.020	2.07

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AT*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/21/05

Client ID: LDW-SS84-010
ARI ID: 05-1416 HQ17L

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	56.60
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	58.00
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.17	5.45
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	3.6	4.0
Total Organic Carbon	01/26/05 012605#1	Plumb, 1981	Percent	0.020	4.12

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS87-010
ARI ID: 05-1481 HQ27C

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	45.50
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	37.60
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.21	15.2
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	12	76
Total Organic Carbon	01/28/05 012805#1	Plumb, 1981	Percent	0.020	2.18

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ56-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AA*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Client ID: LDW-SS88-010
ARI ID: 05-1735 HQ56I

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	61.50
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	72.80
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.15	6.96
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	2.7	< 2.7 U
Total Organic Carbon	02/01/05 020105#1	Plumb, 1981	Percent	0.020	1.75

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP90-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *gsp*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Client ID: LDW-SS-89-010
ARI ID: 05-1226 HP90H

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	71.70
Preserved Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	64.40
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.13	1.30
Sulfide	01/25/05 012505#1	EPA 376.2	mg/kg	5.5	< 5.5 U
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.01

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP90-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *awp*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Client ID: LDW-SS-201-010
ARI ID: 05-1227 HP90I

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	69.30
Preserved Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	63.90
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.13	1.41
Sulfide	01/25/05 012505#1	EPA 376.2	mg/kg	4.9	< 4.9 U
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.02

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ56-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *art*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Client ID: LDW-SS92-010
ARI ID: 05-1729 HQ56C

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	66.10
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	44.10
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.15	5.13
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	4.1	< 4.1 U
Total Organic Carbon	02/01/05 020105#1	Plumb, 1981	Percent	0.020	1.27

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *MR*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS94-010
ARI ID: 05-1482 HQ27D

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	58.80
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	42.00
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.17	6.74
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	6.4	38
Total Organic Carbon	01/28/05 012805#1	Plumb,1981	Percent	0.020	2.05

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS96-010
ARI ID: 05-1483 HQ27E

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	45.50
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	38.70
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.20	16.5
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	7.6	34
Total Organic Carbon	01/28/05 012805#1	Plumb, 1981	Percent	0.020	2.19

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ27-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/21/05
Date Received: 01/21/05

Client ID: LDW-SS97-010
ARI ID: 05-1484 HQ27F

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	64.60
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	57.10
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.15	5.43
Sulfide	01/28/05 012805#1	EPA 376.2	mg/kg	4.7	< 4.7 U
Total Organic Carbon	01/28/05 012805#1	Plumb, 1981	Percent	0.020	1.35

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP90-Windward Environmental, LLC.



Matrix: Sediment
Data Release Authorized: *gaf*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Client ID: LDW-SS-99-010
ARI ID: 05-1224 HP90F

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	55.00
Preserved Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	56.40
N-Ammonia	01/25/05 012505#3	EPA 350.1M	mg-N/kg	0.15	7.33
Sulfide	01/25/05 012505#1	EPA 376.2	mg/kg	38	350
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.24

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ28-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AA*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/24/05

Client ID: LDW-SS101-010
ARI ID: 05-1491 HQ28A

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/25/05 012505#1	EPA 160.3	Percent	0.01	72.90
Preserved Total Solids	01/25/05 012505#2	EPA 160.3	Percent	0.01	62.30
N-Ammonia	01/26/05 012605#1	EPA 350.1M	mg-N/kg	0.12	2.17
Sulfide	01/25/05 012505#1	EPA 376.2	mg/kg	5.2	< 5.2 U
Total Organic Carbon	01/28/05 012805#1	Plumb, 1981	Percent	0.020	1.09

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HQ28-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *g+p*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/24/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HQ28A Client ID: LDW-SS101-010					
Total Solids	01/25/05	Percent	72.90	73.10 72.90	0.2%
Sulfide	01/25/05	mg/kg	< 5.2	< 5.9 < 5.1	NA

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *awp*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS102-010
ARI ID: 05-1650 HQ48I

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	64.30
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	56.30
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.14	4.88
Sulfide	01/31/05 013105#1	EPA 376.2	mg/kg	4.6	< 4.6 U
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.37

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ56-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *448*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Client ID: LDW-SS104-010
ARI ID: 05-1730 HQ56D

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	57.40
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	52.30
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.17	5.53
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	4.3	< 4.3 U
Total Organic Carbon	02/01/05 020105#1	Plumb, 1981	Percent	0.020	1.35

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ56-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *QAR*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Client ID: LDW-SS109-010
ARI ID: 05-1732 HQ56F

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	46.70
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	40.90
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.21	10.8
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	6.6	< 6.6 U
Total Organic Carbon	02/01/05 020105#1	Plumb, 1981	Percent	0.020	2.94

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ56-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *4-8*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Client ID: LDW-SS110-010
ARI ID: 05-1731 HQ56E

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	50.10
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	52.80
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.18	3.66
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	5.2	5.3
Total Organic Carbon	02/01/05 020105#1	Plumb, 1981	Percent	0.020	2.26

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP90-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *MA*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Client ID: LDW-SS-111-010
ARI ID: 05-1219 HP90A

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#2	EPA 160.3	Percent	0.01	52.30
Preserved Total Solids	01/20/05 012505#2	EPA 160.3	Percent	0.01	43.00
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.16	10.2
Sulfide	01/28/05 012805#2	EPA 376.2	mg/kg	8.7	100
Total Organic Carbon	02/02/05 020205#1	Plumb, 1981	Percent	0.020	2.24

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HP90-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HP90A Client ID: LDW-SS-111-010					
N-Ammonia	01/31/05	mg-N/kg	10.2	10.4	1.9%
Total Organic Carbon	02/02/05	Percent	2.24	2.46 2.34	4.7%
ARI ID: HP90B Client ID: LDW-SS-112-010					
N-Ammonia	01/25/05	mg-N/kg	5.09	4.89	4.0%

SAMPLE RESULTS-CONVENTIONALS
HP90-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Client ID: LDW-SS-112-010
ARI ID: 05-1220 HP90B

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	53.00
Preserved Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	55.00
N-Ammonia	01/25/05 012505#3	EPA 350.1M	mg-N/kg	0.19	5.09
Sulfide	01/25/05 012505#1	EPA 376.2	mg/kg	6.2	< 6.2 U
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.82

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS113B-010
ARI ID: 05-1407 HQ17C

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	50.00
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	43.50
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.18	6.54
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	27	250
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.42

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *awg*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS114-010
ARI ID: 05-1405 HQ17A

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	57.40
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	55.10
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.17	2.69
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	5.8	< 5.8 U
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.60

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ56-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *arf*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Client ID: LDW-SS115-010
ARI ID: 05-1733 HQ56G

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	64.80
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	54.80
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.15	4.61
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	3.7	< 3.7 U
Total Organic Carbon	02/01/05 020105#1	Plumb, 1981	Percent	0.020	1.92

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *aw*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS116-010
ARI ID: 05-1410 HQ17F

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	64.10
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	57.60
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.15	4.81
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	6.5	< 6.5 U
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.34

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AW*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS117-010
ARI ID: 05-1406 HQ17B

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	53.50
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	51.40
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.19	13.4
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	4.4	< 4.4 U
Total Organic Carbon	01/25/05 012505#1	Plumb,1981	Percent	0.020	1.47

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS118-010
ARI ID: 05-1414 HQ17J

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	46.90
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	42.40
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.20	11.3
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	44	480
Total Organic Carbon	01/26/05 012605#1	Plumb,1981	Percent	0.020	1.84

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP90-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *AKS*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Client ID: LDW-SS-119-010
ARI ID: 05-1221 HP90C

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	54.10
Preserved Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	50.90
N-Ammonia	01/25/05 012505#3	EPA 350.1M	mg-N/kg	0.18	6.41
Sulfide	01/25/05 012505#1	EPA 376.2	mg/kg	7.7	< 7.7 U
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.50

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HP90-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *PAF*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/19/05
Date Received: 01/19/05

Client ID: LDW-SS-120-010
ARI ID: 05-1222 HP90D

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	53.50
Preserved Total Solids	01/20/05 012005#1	EPA 160.3	Percent	0.01	40.80
N-Ammonia	01/25/05 012505#3	EPA 350.1M	mg-N/kg	0.18	4.53
Sulfide	01/25/05 012505#1	EPA 376.2	mg/kg	14	< 14 U
Total Organic Carbon	01/25/05 012505#1	Plumb,1981	Percent	0.020	1.94

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ56-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *arf*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/25/05
Date Received: 01/26/05

Client ID: LDW-SS121-010
ARI ID: 05-1734 HQ56H

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	60.10
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	57.20
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.14	1.23
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	3.7	< 3.7 U
Total Organic Carbon	02/01/05 020105#1	Plumb,1981	Percent	0.020	1.86

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS123-010
ARI ID: 05-1653 HQ48L

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	69.00
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	71.20
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.13	3.49
Sulfide	01/31/05 013105#1	EPA 376.2	mg/kg	4.9	< 4.9 U
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.77

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *ADP*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS125-010
ARI ID: 05-1408 HQ17D

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	47.20
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	40.70
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.21	5.85
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	9.8	12
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.53

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS126-010
ARI ID: 05-1409 HQ17E

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	49.70
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	38.40
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.19	6.68
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	11	< 11 U
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	1.41

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONAL
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *and*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS127-010
ARI ID: 05-1411 HQ17G

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	33.50
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	31.90
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.28	12.8
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	12	210
Total Organic Carbon	01/25/05 012505#1	Plumb, 1981	Percent	0.020	3.34

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *awp*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS203-010
ARI ID: 05-1654 HQ48M

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	68.90
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	74.60
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.13	5.05
Sulfide	01/31/05 013105#1	EPA 376.2	mg/kg	4.4	< 4.4 U
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	1.81

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *and*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS128-010
ARI ID: 05-1651 HQ48J

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	36.10
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	30.60
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.52	29.8
Sulfide	01/31/05 013105#1	EPA 376.2	mg/kg	14	110
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	3.63

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *aw*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS129-010
ARI ID: 05-1413 HQ17I

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	55.60
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	68.30
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.17	5.26
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	3.9	< 3.9 U
Total Organic Carbon	01/26/05 012605#1	Plumb, 1981	Percent	0.020	2.51

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ17-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *ay*
Reported: 02/01/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/20/05
Date Received: 01/21/05

Client ID: LDW-SS130-010
ARI ID: 05-1412 HQ17H

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/24/05 012405#2	EPA 160.3	Percent	0.01	39.90
Preserved Total Solids	01/24/05 012405#1	EPA 160.3	Percent	0.01	36.10
N-Ammonia	01/25/05 012505#2	EPA 350.1M	mg-N/kg	0.23	12.1
Sulfide	01/27/05 012705#1	EPA 376.2	mg/kg	29	480
Total Organic Carbon	01/26/05 012605#1	Plumb, 1981	Percent	0.020	2.87

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized:
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS134-010
ARI ID: 05-1663 HQ48V

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#2	EPA 160.3	Percent	0.01	67.90
Preserved Total Solids	01/26/05 012605#2	EPA 160.3	Percent	0.01	65.40
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.12	1.78
Sulfide	01/31/05 013105#1	EPA 376.2	mg/kg	32	450
Total Organic Carbon	01/31/05 013105#1	Plumb, 1981	Percent	0.020	0.390

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ48-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *RAA*
Reported: 02/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/24/05
Date Received: 01/24/05

Client ID: LDW-SS142-010
ARI ID: 05-1652 HQ48K

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	48.40
Preserved Total Solids	01/26/05 012605#1	EPA 160.3	Percent	0.01	54.70
N-Ammonia	01/31/05 013105#1	EPA 350.1M	mg-N/kg	0.18	10.4
Sulfide	01/31/05 013105#1	EPA 376.2	mg/kg	6.4	9.7
Total Organic Carbon	01/31/05 013105#1	Plumb,1981	Percent	0.020	1.95

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ57-Windward Environmental, LLC



Matrix: Sediment
Data Release Authorized: *atf*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/26/05
Date Received: 01/26/05

Client ID: LDW-SS143-010
ARI ID: 05-1738 HQ57C

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#4	EPA 160.3	Percent	0.01	56.90
Preserved Total Solids	01/31/05 013105#1	EPA 160.3	Percent	0.01	36.80
N-Ammonia	01/31/05 013105#2	EPA 350.1M	mg-N/kg	0.15	8.29
Sulfide	02/02/05 020205#1	EPA 376.2	mg/kg	8.2	< 8.2 U
Total Organic Carbon	02/01/05 020105#1	Plumb, 1981	Percent	0.020	0.698

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ93-Windward Environmental



Matrix: Sediment
Data Release Authorized: *MA*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/28/05
Date Received: 01/29/05

Client ID: LDW-SSCR20-010
ARI ID: 05-2010 HQ93A

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#3	EPA 160.3	Percent	0.01	61.90
Preserved Total Solids	01/31/05 013105#2	EPA 160.3	Percent	0.01	58.30
N-Ammonia	02/01/05 020105#1	EPA 350.1M	mg-N/kg	0.14	11.3
Sulfide	02/02/05 020205#2	EPA 376.2	mg/kg	4.9	87
Total Organic Carbon	02/03/05 020305#1	Plumb, 1981	Percent	0.020	0.588

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ93-Windward Environmental



Matrix: Sediment
Data Release Authorized: *aw*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/28/05
Date Received: 01/29/05

Client ID: LDW-SSCR23-010
ARI ID: 05-2011 HQ93B

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#3	EPA 160.3	Percent	0.01	65.20
Preserved Total Solids	01/31/05 013105#2	EPA 160.3	Percent	0.01	61.90
N-Ammonia	02/01/05 020105#1	EPA 350.1M	mg-N/kg	0.15	12.1
Sulfide	02/02/05 020205#2	EPA 376.2	mg/kg	33	250
Total Organic Carbon	02/03/05 020305#1	Plumb, 1981	Percent	0.020	0.573

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HQ93-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ADP*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/28/05
Date Received: 01/29/05

Client ID: LDW-MSMP43-010
ARI ID: 05-2012 HQ93C

Analyte	Date	Method	Units	RL	Sample
Total Solids	01/31/05 013105#3	EPA 160.3	Percent	0.01	75.20
Preserved Total Solids	01/31/05 013105#2	EPA 160.3	Percent	0.01	76.50
N-Ammonia	02/01/05 020105#1	EPA 350.1M	mg-N/kg	0.13	8.83
Sulfide	02/02/05 020205#2	EPA 376.2	mg/kg	3.5	< 3.5 U
Total Organic Carbon	02/03/05 020305#1	Plumb, 1981	Percent	0.020	0.478

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HQ93-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ADD*
Reported: 02/04/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/28/05
Date Received: 01/29/05

Analyte	Date	Units	Sample	Replicate (s)	RPD/RSD
ARI ID: HQ93A Client ID: LDW-SSCR20-010					
Total Solids	01/31/05	Percent	61.90	61.90 61.70	0.2%
Preserved Total Solids	01/31/05	Percent	58.30	58.40 58.30	0.1%
N-Ammonia	02/01/05	mg-N/kg	11.3	11.2	0.9%
Total Organic Carbon	02/03/05	Percent	0.588	0.703 0.649	8.9%
ARI ID: HQ93C Client ID: LDW-MSMP43-010					
Sulfide	02/02/05	mg/kg	< 3.5	< 2.8 < 4.8	NA

Upstream surface sediment samples: Arsenic

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: DR-SS5-010

SAMPLE

Lab Sample ID: HT56A

LIMS ID: 05-3649

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/09/05

QC Report No: HT56-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/01/05

Date Received: 02/23/05

Percent Total Solids: 54.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/28/05	200.8	03/04/05	7440-38-2	Arsenic	0.3	10.0	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS
Page 1 of 1

Sample ID: DR-SS5-010
DUPLICATE

Lab Sample ID: HT56A
LIMS ID: 05-3649
Matrix: Sediment
Data Release Authorized: *BJL*
Reported: 03/09/05

QC Report No: HT56-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/23/05

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Arsenic	200.8	10.0	7.8	24.7%	+/- 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: DR-SS6-010
SAMPLE

Lab Sample ID: HT56B

LIMS ID: 05-3650

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/09/05

QC Report No: HT56-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/01/05

Date Received: 02/23/05

Percent Total Solids: 58.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/28/05	200.8	03/04/05	7440-38-2	Arsenic	0.3	8.5	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: DR-SS9-010

SAMPLE

Lab Sample ID: HT56D

QC Report No: HT56-Windward Environmental

LIMS ID: 05-3652

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *AK*

Date Sampled: 02/01/05

Reported: 03/09/05

Date Received: 02/23/05

Percent Total Solids: 57.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/28/05	200.8	03/04/05	7440-38-2	Arsenic	0.3	7.9	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: DR-SS7-010
SAMPLE

Lab Sample ID: HT56C

LIMS ID: 05-3651

Matrix: Sediment

Data Release Authorized *AK*

Reported: 03/09/05

QC Report No: HT56-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/01/05

Date Received: 02/23/05

Percent Total Solids: 70.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/28/05	200.8	03/04/05	7440-38-2	Arsenic	0.3	4.6	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: DR-SS10-010

SAMPLE

Lab Sample ID: HT56E

LIMS ID: 05-3653

Matrix: Sediment

Data Release Authorized: *OK*

Reported: 03/09/05

QC Report No: HT56-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/09/05

Date Received: 02/23/05

Percent Total Solids: 42.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/28/05	200.8	03/04/05	7440-38-2	Arsenic	0.5	7.3	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: DR-SS11-010

SAMPLE

Lab Sample ID: HT56F

LIMS ID: 05-3654

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/09/05

QC Report No: HT56-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/09/05

Date Received: 02/23/05

Percent Total Solids: 46.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/28/05	200.8	03/04/05	7440-38-2	Arsenic	0.4	7.4	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: DR-SS13-010

SAMPLE

Lab Sample ID: HT56G

LIMS ID: 05-3655

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 03/09/05

QC Report No: HT56-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/09/05

Date Received: 02/23/05

Percent Total Solids: 48.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/28/05	200.8	03/04/05	7440-38-2	Arsenic	0.4	7.4	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: DR-SS14-010

SAMPLE

Lab Sample ID: HT56H

LIMS ID: 05-3656

Matrix: Sediment

Data Release Authorized *BC*

Reported: 03/09/05

QC Report No: HT56-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/09/05

Date Received: 02/23/05

Percent Total Solids: 58.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/28/05	200.8	03/04/05	7440-38-2	Arsenic	0.3	5.4	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

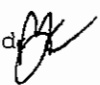
Sample ID: DR-SS15-010

SAMPLE

Lab Sample ID: HT56I

LIMS ID: 05-3657

Matrix: Sediment

Data Release Authorized 

Reported: 03/09/05

QC Report No: HT56-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/09/05

Date Received: 02/23/05

Percent Total Solids: 45.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	02/28/05	200.8	03/04/05	7440-38-2	Arsenic	0.4	10.9	

U-Analyte undetected at given RL

RL-Reporting Limit

Upstream surface sediment samples: Grain size

Windward Environmental
04-08-06-24

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay		
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0
DR-SS5-010	0.3	1.5	1.1	7.1	26.6	24.8	11.0	8.6	5.9	5.6	3.0	2.4	2.2
DR-SS5-010	0.0	1.2	3.5	6.9	27.1	24.1	9.7	8.6	5.9	5.4	3.3	2.0	2.3
DR-SS5-010	0.0	0.4	1.1	6.8	26.6	24.7	12.4	8.7	6.1	5.4	3.3	2.4	2.3
DR-SS6-010	0.0	0.5	1.0	3.4	21.2	28.1	14.6	9.8	6.6	5.4	3.8	2.4	3.1
DR-SS7-010	0.5	0.4	0.5	5.2	19.5	24.0	19.8	13.2	6.9	3.9	2.2	1.5	2.4
DR-SS9-010	0.0	0.2	0.9	3.2	20.9	28.0	15.0	9.7	6.7	5.6	3.8	2.6	3.3
DR-SS10-010	0.2	0.2	1.3	5.6	19.6	19.6	11.5	13.8	12.3	8.0	3.4	2.1	2.5
DR-SS11-010	3.3	2.3	3.6	5.8	20.9	22.7	13.6	9.7	8.0	4.4	2.3	1.8	1.7
DR-SS13-010	0.0	0.1	1.0	1.9	14.4	26.0	16.9	12.8	11.0	6.9	3.5	2.1	3.3
DR-SS14-010	0.2	0.3	0.5	4.8	38.1	28.5	10.3	5.6	3.9	3.3	2.0	1.0	1.6
DR-SS15-010	0.2	0.3	2.1	4.1	18.2	20.9	17.5	12.3	8.9	7.7	5.4	1.4	1.1

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

HT56

000038

Upstream surface sediment samples: Total solids

SAMPLE RESULTS-CONVENTIONALS
HT56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *RA*
Reported: 03/02/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/23/05

Client ID: DR-SS5-010
ARI ID: 05-3649 HT56A

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/28/05 022805#1	EPA 160.3	Percent	0.01	52.40

RL Analytical reporting limit
U Undetected at reported detection limit

REPLICATE RESULTS-CONVENTIONALS
HT56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AA*
Reported: 03/02/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/23/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HT56A	Client ID: DR-SS5-010				
Total Solids	02/28/05	Percent	52.40	53.20 53.60	1.2%

SAMPLE RESULTS-CONVENTIONALS
HT56-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/02/05 *44*

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/23/05

Client ID: DR-SS6-010
ARI ID: 05-3650 HT56B

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/28/05 022805#1	EPA 160.3	Percent	0.01	58.60

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HT56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *at*
Reported: 03/02/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/23/05

Client ID: DR-SS9-010
ARI ID: 05-3652 HT56D

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/28/05 022805#1	EPA 160.3	Percent	0.01	56.30

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HT56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *DA*
Reported: 03/02/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/23/05

Client ID: DR-SS7-010
ARI ID: 05-3651 HT56C

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/28/05 022805#1	EPA 160.3	Percent	0.01	69.80

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HT56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *W*
Reported: 03/02/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/09/05
Date Received: 02/23/05

Client ID: DR-SS10-010
ARI ID: 05-3653 HT56E

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/28/05 022805#1	EPA 160.3	Percent	0.01	43.30

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HT56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *DAF*
Reported: 03/02/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/09/05
Date Received: 02/23/05

Client ID: DR-SS11-010
ARI ID: 05-3654 HT56F

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/28/05 022805#1	EPA 160.3	Percent	0.01	46.90

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HT56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *amp*
Reported: 03/02/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/09/05
Date Received: 02/23/05

Client ID: DR-SS13-010
ARI ID: 05-3655 HT56G

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/28/05 022805#1	EPA 160.3	Percent	0.01	48.80

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HT56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *any*
Reported: 03/02/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/09/05
Date Received: 02/23/05

Client ID: DR-SS14-010
ARI ID: 05-3656 HT56H

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/28/05 022805#1	EPA 160.3	Percent	0.01	59.90

RL Analytical reporting limit
U Undetected at reported detection limit