

APPENDIX F-1: RAW ANALYTICAL DATA FORM 1S

Metals

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS2-010

SAMPLE

Lab Sample ID: HW06B

LIMS ID: 05-5376

Matrix: Sediment

Data Release Authorized 

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Percent Total Solids: 59.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.3	11.6	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.3	0.5	
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	0.8	30.1	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.5	8.0	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.3	68.8	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	3	44	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.06	0.16	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	0.8	1.6	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	2	22	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	8	8	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.5	61.5	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	1	119	

U-Analyte undetected at given RL

RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS3-10

SAMPLE

Lab Sample ID: HV37B

LIMS ID: 05-4884

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 79.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.2	0.7	
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.2	10.8	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	0.6	16.8	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.4	5.8	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.2	40.4	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	2	37	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.05	0.08	
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	0.6	1.5	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	1	12	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	6	6	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.2	0.2	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.4	39.4	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	0.7	119	

U-Analyte undetected at given RL

RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS
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Sample ID: LDW-SS6-010
SAMPLE

Lab Sample ID: HV42C
LIMS ID: 05-4927
Matrix: Sediment
Data Release Authorized *[Signature]*
Reported: 03/29/05

QC Report No: HV42-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Percent Total Solids: 61.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.3	3.6	
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	82.9	
3050B	03/22/05	6010B	03/28/05	7440-43-9	Cadmium	0.8	3.8	
3050B	03/22/05	6010B	03/28/05	7440-47-3	Chromium	2	38	
3050B	03/22/05	6010B	03/28/05	7440-48-4	Cobalt	1	7	
3050B	03/22/05	6010B	03/28/05	7440-50-8	Copper	0.8	103	
3050B	03/22/05	6010B	03/28/05	7439-92-1	Lead	8	573	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.07	0.25	
3050B	03/22/05	6010B	03/28/05	7439-98-7	Molybdenum	2	6	
3050B	03/22/05	6010B	03/28/05	7440-02-0	Nickel	4	15	
3050B	03/22/05	6010B	03/28/05	7782-49-2	Selenium	20	20	U
3050B	03/22/05	6010B	03/28/05	7440-22-4	Silver	1	3	
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.6	
3050B	03/22/05	6010B	03/28/05	7440-62-2	Vanadium	1	37	
3050B	03/22/05	6010B	03/28/05	7440-66-6	Zinc	2	553	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS7-10

SAMPLE

Lab Sample ID: HV37A

LIMS ID: 05-4883

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 46.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.4	17.2	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.4	0.9	
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	1	43	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.6	11.7	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.4	124	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	4	94	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.09	0.33	
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	1	3	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	28	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.6	0.7	
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.6	81.1	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	199	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS7-10

DUPLICATE

Lab Sample ID: HV37A

LIMS ID: 05-4883

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

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	17.2	16.1	6.6%	+/- 20%	
Cadmium	6010B	0.9	0.9	0.0%	+/- 0.4	L
Chromium	6010B	43	42	2.4%	+/- 20%	
Cobalt	6010B	11.7	11.4	2.6%	+/- 20%	
Copper	6010B	124	121	2.4%	+/- 20%	
Lead	6010B	94	93	1.1%	+/- 20%	
Mercury	7471A	0.33	0.34	3.0%	+/- 0.09	L
Molybdenum	6010B	3	3	0.0%	+/- 1	L
Nickel	6010B	28	28	0.0%	+/- 20%	
Selenium	6010B	10 U	10 U	0.0%	+/- 10	L
Silver	6010B	0.7	0.6 U	15.4%	+/- 0.6	L
Thallium	200.8	0.4 U	0.4 U	0.0%	+/- 0.4	L
Vanadium	6010B	81.1	79.3	2.2%	+/- 20%	
Zinc	6010B	199	195	2.0%	+/- 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-SS8-010

SAMPLE

Lab Sample ID: HU85K

LIMS ID: 05-4542

Matrix: Sediment

Data Release Authorized: 

Reported: 03/24/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Percent Total Solids: 48.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/05	200.8	03/21/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/17/05	200.8	03/21/05	7440-38-2	Arsenic	0.4	12.0	
3050B	03/17/05	6010B	03/21/05	7440-43-9	Cadmium	0.4	0.8	
3050B	03/17/05	6010B	03/21/05	7440-47-3	Chromium	1	41	
3050B	03/17/05	6010B	03/21/05	7440-48-4	Cobalt	0.6	10.8	
3050B	03/17/05	6010B	03/21/05	7440-50-8	Copper	0.4	116	
3050B	03/17/05	6010B	03/21/05	7439-92-1	Lead	4	79	
CLP	03/17/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.4	
3050B	03/17/05	6010B	03/21/05	7439-98-7	Molybdenum	1	2	
3050B	03/17/05	6010B	03/21/05	7440-02-0	Nickel	2	26	
3050B	03/17/05	6010B	03/21/05	7782-49-2	Selenium	10	10	U
3050B	03/17/05	6010B	03/21/05	7440-22-4	Silver	0.6	0.7	
3050B	03/17/05	200.8	03/21/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/17/05	6010B	03/21/05	7440-62-2	Vanadium	0.6	81.7	
3050B	03/17/05	6010B	03/21/05	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-SS9-010

SAMPLE

Lab Sample ID: HV58D

LIMS ID: 05-5109

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 70.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.3	14.9	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	0.7	20.8	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	0.4	5.9	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.3	46.7	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	3	71	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.06	0.17	
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	0.7	1.8	
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	1	16	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	7	7	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	0.4	46.2	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	0.8	142	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS11-010

SAMPLE

Lab Sample ID: HV00H

LIMS ID: 05-4651

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 70.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/23/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/21/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	9.2	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.3	0.3	
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	0.7	18.4	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.4	6.2	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.3	40.2	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	3	33	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.07	0.10	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	0.7	1.2	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	1	14	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	7	7	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.4	48.1	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	0.8	146	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS16-010

SAMPLE

Lab Sample ID: HV001

LIMS ID: 05-4652

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 44.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/23/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/21/05	200.8	03/23/05	7440-38-2	Arsenic	0.4	15.2	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.4	0.7	
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	1	43	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.7	11.0	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.4	124	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	4	81	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.4	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	1	3	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	2	27	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	10	10	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.7	0.7	
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.7	77.6	
3050B	03/21/05	6010B	03/23/05	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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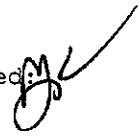
Sample ID: LDW-SS19-010

SAMPLE

Lab Sample ID: HV00F

LIMS ID: 05-4649

Matrix: Sediment

Data Release Authorized: 

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 51.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/23/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/21/05	200.8	03/23/05	7440-38-2	Arsenic	0.4	14.3	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.4	0.7	
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	0.9	41.2	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.5	11.2	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.4	127	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	4	80	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.08	0.40	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	0.9	2.7	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	2	29	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	9	9	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.5	74.2	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	1	191	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS205-010

SAMPLE

Lab Sample ID: HV00G

LIMS ID: 05-4650

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 51.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/23/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/21/05	200.8	03/23/05	7440-38-2	Arsenic	0.4	17.7	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.4	0.7	
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	0.9	39.9	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.6	11.6	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.4	134	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	4	72	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.3	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	0.9	2.4	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	2	29	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	9	9	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.6	74.8	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	1	210	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS21-010

SAMPLE

Lab Sample ID: HV00E

LIMS ID: 05-4648

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 59.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/23/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/21/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	13.2	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.3	0.6	
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	0.8	33.1	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.5	8.5	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.3	86.7	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	3	59	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.06	0.21	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	0.8	1.9	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	2	21	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	8	8	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.5	0.5	
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.5	60.6	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	1	132	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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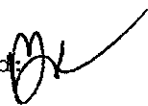
Sample ID: LDW-SS24-010

SAMPLE

Lab Sample ID: HV58C

LIMS ID: 05-5108

Matrix: Sediment

Data Release Authorized: 

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 49.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.4	0.5	
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.4	20.7	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.9	1.0	
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	2	48	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	1	8	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.9	172	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	9	400	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.08	0.63	
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	2	3	
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	5	21	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	20	20	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	1	1	U
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	1	46	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	3	435	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS25-010
SAMPLE

Lab Sample ID: HV42H

LIMS ID: 05-4932

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Percent Total Solids: 76.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	2.7	
3050B	03/22/05	6010B	03/25/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/22/05	6010B	03/25/05	7440-47-3	Chromium	0.6	11.1	
3050B	03/22/05	6010B	03/25/05	7440-48-4	Cobalt	0.4	3.5	
3050B	03/22/05	6010B	03/25/05	7440-50-8	Copper	0.2	11.5	
3050B	03/22/05	6010B	03/25/05	7439-92-1	Lead	2	9	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.06	0.06	U
3050B	03/22/05	6010B	03/25/05	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/22/05	6010B	03/25/05	7440-02-0	Nickel	1	6	
3050B	03/22/05	6010B	03/25/05	7782-49-2	Selenium	6	6	U
3050B	03/22/05	6010B	03/25/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/22/05	6010B	03/25/05	7440-62-2	Vanadium	0.4	36.3	
3050B	03/22/05	6010B	03/25/05	7440-66-6	Zinc	0.7	32.5	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS29-010

SAMPLE

Lab Sample ID: HV58K

LIMS ID: 05-5116

Matrix: Sediment

Data Release Authorized *DR*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 45.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.4	20.2	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.4	0.5	
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	1	36	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	0.6	8.7	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.4	80.8	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	4	131	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.1	0.2	
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	1	2	
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	2	25	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	10	10	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	0.6	66.7	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	1	276	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS30-010

SAMPLE

Lab Sample ID: HV00D

LIMS ID: 05-4647

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 38.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/23/05	7440-36-0	Antimony	0.5	0.5	U
3050B	03/21/05	200.8	03/23/05	7440-38-2	Arsenic	0.5	31.8	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.5	1.1	
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	1	44	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.8	11.4	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.5	136	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	5	90	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.4	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	1	3	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	3	29	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	10	10	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.8	0.9	
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.5	0.5	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.8	87.0	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	2	248	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS34-010

SAMPLE

Lab Sample ID: HV58I

LIMS ID: 05-5114

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 76.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.3	3.1	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	0.6	9.9	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	0.4	4.6	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.2	16.0	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	2	7	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.06	0.06	U
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	0.6	0.6	U
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	1	8	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	6	6	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	0.4	38.0	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	0.7	32.6	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS35-010

SAMPLE

Lab Sample ID: HW06G

LIMS ID: 05-5381

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/08/05

Percent Total Solids: 59.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.3	12.6	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.3	1.0	
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	0.8	35.1	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.5	8.3	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.3	180	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	3	55	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.08	0.46	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	0.8	2.2	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	2	22	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	8	8	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.5	0.8	
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.5	58.4	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	1	159	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS39-010

SAMPLE

Lab Sample ID: HV38A

LIMS ID: 05-4922

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV38-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/11/05

Date Received: 03/11/05

Percent Total Solids: 55.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	30.5	
3050B	03/22/05	6010B	03/25/05	7440-43-9	Cadmium	0.3	1.1	
3050B	03/22/05	6010B	03/25/05	7440-47-3	Chromium	0.9	40.4	
3050B	03/22/05	6010B	03/25/05	7440-48-4	Cobalt	0.5	6.0	
3050B	03/22/05	6010B	03/25/05	7440-50-8	Copper	0.3	55.2	
3050B	03/22/05	6010B	03/25/05	7439-92-1	Lead	3	79	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.08	1.09	
3050B	03/22/05	6010B	03/25/05	7439-98-7	Molybdenum	0.9	9.1	
3050B	03/22/05	6010B	03/25/05	7440-02-0	Nickel	2	16	
3050B	03/22/05	6010B	03/25/05	7782-49-2	Selenium	9	9	U
3050B	03/22/05	6010B	03/25/05	7440-22-4	Silver	0.5	0.6	
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/22/05	6010B	03/25/05	7440-62-2	Vanadium	0.5	58.7	
3050B	03/22/05	6010B	03/25/05	7440-66-6	Zinc	1	117	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS41-010
SAMPLE

Lab Sample ID: HV00C

LIMS ID: 05-4646

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 55.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/23/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/21/05	200.8	03/23/05	7440-38-2	Arsenic	0.4	45.0	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.3	0.5	
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	0.8	30.5	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.5	9.3	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.3	103	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	3	62	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.09	0.18	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	0.8	3.4	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	2	19	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	8	8	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.5	62.0	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	1	175	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1


Sample ID: LDW-SS45-010

SAMPLE

Lab Sample ID: HV42A

LIMS ID: 05-4925

Matrix: Sediment

Data Release Authorized: 

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Percent Total Solids: 45.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.4	26.1	
3050B	03/22/05	6010B	03/25/05	7440-43-9	Cadmium	0.4	1.0	
3050B	03/22/05	6010B	03/25/05	7440-47-3	Chromium	1	41	
3050B	03/22/05	6010B	03/25/05	7440-48-4	Cobalt	0.7	11.0	
3050B	03/22/05	6010B	03/25/05	7440-50-8	Copper	0.4	156	
3050B	03/22/05	6010B	03/25/05	7439-92-1	Lead	4	95	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.3	
3050B	03/22/05	6010B	03/25/05	7439-98-7	Molybdenum	1	2	
3050B	03/22/05	6010B	03/25/05	7440-02-0	Nickel	2	25	
3050B	03/22/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/22/05	6010B	03/25/05	7440-22-4	Silver	0.7	0.7	U
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/22/05	6010B	03/25/05	7440-62-2	Vanadium	0.7	75.6	
3050B	03/22/05	6010B	03/25/05	7440-66-6	Zinc	1	216	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

Sample ID: LDW-SS45-010
DUPLICATE

Lab Sample ID: HV42A

LIMS ID: 05-4925

Matrix: Sediment

Data Release Authorized 

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

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	26.1	26.3	0.8%	+/- 20%	
Cadmium	6010B	1.0	0.9	10.5%	+/- 0.4	L
Chromium	6010B	41	41	0.0%	+/- 20%	
Cobalt	6010B	11.0	11.4	3.6%	+/- 20%	
Copper	6010B	156	153	1.9%	+/- 20%	
Lead	6010B	95	101	6.1%	+/- 20%	
Mercury	7471A	0.3	0.4	28.6%	+/- 0.1	L
Molybdenum	6010B	2	3	40.0%	+/- 1	L
Nickel	6010B	25	25	0.0%	+/- 20%	
Selenium	6010B	10 U	10 U	0.0%	+/- 10	L
Silver	6010B	0.7 U	0.7 U	0.0%	+/- 0.7	L
Thallium	200.8	0.4 U	0.5	22.2%	+/- 0.4	L
Vanadium	6010B	75.6	78.1	3.3%	+/- 20%	
Zinc	6010B	216	217	0.5%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS46-010

SAMPLE

Lab Sample ID: HV42B

LIMS ID: 05-4926

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Percent Total Solids: 64.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.3	0.7	
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	71.1	
3050B	03/22/05	6010B	03/25/05	7440-43-9	Cadmium	0.7	0.8	
3050B	03/22/05	6010B	03/25/05	7440-47-3	Chromium	2	56	
3050B	03/22/05	6010B	03/25/05	7440-48-4	Cobalt	1	28	
3050B	03/22/05	6010B	03/25/05	7440-50-8	Copper	0.7	1,230	
3050B	03/22/05	6010B	03/25/05	7439-92-1	Lead	7	125	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.08	0.33	
3050B	03/22/05	6010B	03/25/05	7439-98-7	Molybdenum	2	11	
3050B	03/22/05	6010B	03/25/05	7440-02-0	Nickel	4	27	
3050B	03/22/05	6010B	03/25/05	7782-49-2	Selenium	20	20	U
3050B	03/22/05	6010B	03/25/05	7440-22-4	Silver	1	1	U
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/22/05	6010B	03/25/05	7440-62-2	Vanadium	1	86	
3050B	03/22/05	6010B	03/25/05	7440-66-6	Zinc	2	794	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS47-010

SAMPLE

Lab Sample ID: HV42D

LIMS ID: 05-4928

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Percent Total Solids: 76.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.2	1.8	
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.2	161	
3050B	03/22/05	6010B	03/25/05	7440-43-9	Cadmium	1	1	U
3050B	03/22/05	6010B	03/25/05	7440-47-3	Chromium	3	53	
3050B	03/22/05	6010B	03/25/05	7440-48-4	Cobalt	2	30	
3050B	03/22/05	6010B	03/25/05	7440-50-8	Copper	1	1,340	
3050B	03/22/05	6010B	03/25/05	7439-92-1	Lead	10	130	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.05	0.09	
3050B	03/22/05	6010B	03/25/05	7439-98-7	Molybdenum	3	20	
3050B	03/22/05	6010B	03/25/05	7440-02-0	Nickel	6	30	
3050B	03/22/05	6010B	03/25/05	7782-49-2	Selenium	30	30	U
3050B	03/22/05	6010B	03/25/05	7440-22-4	Silver	2	2	U
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.2	0.2	U
3050B	03/22/05	6010B	03/25/05	7440-62-2	Vanadium	2	77	
3050B	03/22/05	6010B	03/25/05	7440-66-6	Zinc	4	878	

U-Analyte undetected at given RL

RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS53-010

SAMPLE

Lab Sample ID: HV58H

LIMS ID: 05-5113

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 44.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.4	39.7	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.4	0.7	
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	1	42	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	0.7	12.0	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.4	163	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	4	74	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.09	0.31	
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	1	3	
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	2	26	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	10	10	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	0.7	0.7	U
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	0.7	81.1	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	1	247	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS59-010

SAMPLE

Lab Sample ID: HV58F

LIMS ID: 05-5111

Matrix: Sediment

Data Release Authorized: 

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 52.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.4	20.7	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.4	0.5	
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	0.9	43.5	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	0.6	11.0	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.4	102	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	4	60	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.09	0.19	
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	0.9	3.1	
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	2	33	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	9	9	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	0.6	67.4	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	1	219	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS61-010

SAMPLE

Lab Sample ID: HV42G

LIMS ID: 05-4931

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Percent Total Solids: 72.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	6.1	
3050B	03/22/05	6010B	03/25/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/22/05	6010B	03/25/05	7440-47-3	Chromium	0.7	20.9	
3050B	03/22/05	6010B	03/25/05	7440-48-4	Cobalt	0.4	6.6	
3050B	03/22/05	6010B	03/25/05	7440-50-8	Copper	0.3	38.4	
3050B	03/22/05	6010B	03/25/05	7439-92-1	Lead	3	19	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.07	0.08	
3050B	03/22/05	6010B	03/25/05	7439-98-7	Molybdenum	0.7	1.1	
3050B	03/22/05	6010B	03/25/05	7440-02-0	Nickel	1	15	
3050B	03/22/05	6010B	03/25/05	7782-49-2	Selenium	7	7	U
3050B	03/22/05	6010B	03/25/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/22/05	6010B	03/25/05	7440-62-2	Vanadium	0.4	48.2	
3050B	03/22/05	6010B	03/25/05	7440-66-6	Zinc	0.8	70.4	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS62-10

SAMPLE

Lab Sample ID: HV37J

LIMS ID: 05-4892

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 41.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.5	0.5	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.5	16.8	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.5	0.8	
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	1	38	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.7	10.9	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.5	109	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	5	58	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.5	
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	1	2	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	24	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.7	0.7	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.5	0.5	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.7	77.4	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	159	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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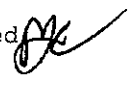
Sample ID: LDW-SS207-10

SAMPLE

Lab Sample ID: HV37K

LIMS ID: 05-4893

Matrix: Sediment

Data Release Authorized 

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 42.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.4	16.5	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.4	0.8	
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	1	39	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.7	10.9	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.4	107	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	4	58	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.09	0.28	
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	1	2	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	24	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.7	0.7	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.7	77.2	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	160	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS65-010

SAMPLE

Lab Sample ID: HV00B

LIMS ID: 05-4645

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 61.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/23/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/21/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	11.3	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.3	0.4	
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	0.8	25.2	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.5	7.8	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.3	58.9	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	3	34	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.08	0.12	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	0.8	1.4	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	2	17	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	8	8	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.5	57.0	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	0.9	101	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS66-10

SAMPLE

Lab Sample ID: HV37I

LIMS ID: 05-4891

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 44.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.5	0.5	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.5	15.7	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	1	1	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	3	85	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	2	12	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	1	171	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	10	50	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.09	0.40	
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	3	6	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	5	44	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	30	30	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	2	2	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.5	0.5	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	2	78	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	3	154	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS68-010

SAMPLE

Lab Sample ID: HU85J

LIMS ID: 05-4541

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/24/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Percent Total Solids: 47.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/05	200.8	03/21/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/17/05	200.8	03/21/05	7440-38-2	Arsenic	0.4	12.1	
3050B	03/17/05	6010B	03/21/05	7440-43-9	Cadmium	0.4	0.6	
3050B	03/17/05	6010B	03/21/05	7440-47-3	Chromium	1	36	
3050B	03/17/05	6010B	03/21/05	7440-48-4	Cobalt	0.6	10.3	
3050B	03/17/05	6010B	03/21/05	7440-50-8	Copper	0.4	87.4	
3050B	03/17/05	6010B	03/21/05	7439-92-1	Lead	4	47	
CLP	03/17/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.2	
3050B	03/17/05	6010B	03/21/05	7439-98-7	Molybdenum	1	2	
3050B	03/17/05	6010B	03/21/05	7440-02-0	Nickel	2	24	
3050B	03/17/05	6010B	03/21/05	7782-49-2	Selenium	10	10	U
3050B	03/17/05	6010B	03/21/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/17/05	200.8	03/21/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/17/05	6010B	03/21/05	7440-62-2	Vanadium	0.6	75.4	
3050B	03/17/05	6010B	03/21/05	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-SS69b-010
SAMPLE

Lab Sample ID: HW06C

LIMS ID: 05-5377

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Percent Total Solids: 49.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.4	16.9	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.4	0.7	
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	1	36	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.6	9.6	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.4	94.0	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	4	55	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.08	0.34	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	1	2	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	2	25	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	10	10	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.6	73.2	
3050B	03/31/05	6010B	04/04/05	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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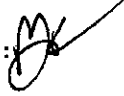
Sample ID: LDW-SS71-010

SAMPLE

Lab Sample ID: HW06A

LIMS ID: 05-5375

Matrix: Sediment

Data Release Authorized: 

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/16/05

Percent Total Solids: 69.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.3	10.7	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.3	0.6	
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	0.7	27.3	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.4	6.1	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.3	44.9	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	3	47	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.06	0.45	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	0.7	2.5	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	1	14	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	7	7	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.4	0.9	
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.4	46.1	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	0.9	116	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS71-010

DUPLICATE

Lab Sample ID: HW06A

LIMS ID: 05-5375

Matrix: Sediment

Data Release Authorized

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/16/05

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	10.7	8.3	25.3%	+/- 20%	*
Cadmium	6010B	0.6	0.5	18.2%	+/- 0.3	L
Chromium	6010B	27.3	28.1	2.9%	+/- 20%	
Cobalt	6010B	6.1	6.0	1.7%	+/- 20%	
Copper	6010B	44.9	70.8	44.8%	+/- 20%	*
Lead	6010B	47	44	6.6%	+/- 20%	
Mercury	7471A	0.45	0.13	110%	+/- 0.06	L*
Molybdenum	6010B	2.5	2.3	8.3%	+/- 0.7	L
Nickel	6010B	14	15	6.9%	+/- 20%	
Selenium	6010B	7 U	7 U	0.0%	+/- 7	L
Silver	6010B	0.9	1.1	20.0%	+/- 0.4	L
Thallium	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Vanadium	6010B	46.1	46.9	1.7%	+/- 20%	
Zinc	6010B	116	104	10.9%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS73-010

SAMPLE

Lab Sample ID: HU85B

LIMS ID: 05-4533

Matrix: Sediment

Data Release Authorized: *AK*

Reported: 03/24/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Percent Total Solids: 53.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/05	200.8	03/21/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/17/05	200.8	03/21/05	7440-38-2	Arsenic	0.4	17.5	
3050B	03/17/05	6010B	03/21/05	7440-43-9	Cadmium	0.4	0.4	
3050B	03/17/05	6010B	03/21/05	7440-47-3	Chromium	0.9	28.6	
3050B	03/17/05	6010B	03/21/05	7440-48-4	Cobalt	0.6	8.6	
3050B	03/17/05	6010B	03/21/05	7440-50-8	Copper	0.4	70.1	
3050B	03/17/05	6010B	03/21/05	7439-92-1	Lead	4	48	
CLP	03/17/05	7471A	03/23/05	7439-97-6	Mercury	0.09	0.13	
3050B	03/17/05	6010B	03/21/05	7439-98-7	Molybdenum	0.9	1.8	
3050B	03/17/05	6010B	03/21/05	7440-02-0	Nickel	2	21	
3050B	03/17/05	6010B	03/21/05	7782-49-2	Selenium	9	9	U
3050B	03/17/05	6010B	03/21/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/17/05	200.8	03/21/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/17/05	6010B	03/21/05	7440-62-2	Vanadium	0.6	65.3	
3050B	03/17/05	6010B	03/21/05	7440-66-6	Zinc	1	133	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS74-010

SAMPLE

Lab Sample ID: HU85F

LIMS ID: 05-4537

Matrix: Sediment

Data Release Authorized: *OK*

Reported: 03/24/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Percent Total Solids: 69.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/05	200.8	03/21/05	7440-36-0	Antimony	0.3	0.6	
3050B	03/17/05	200.8	03/21/05	7440-38-2	Arsenic	0.3	47.3	
3050B	03/17/05	6010B	03/21/05	7440-43-9	Cadmium	0.3	0.5	
3050B	03/17/05	6010B	03/21/05	7440-47-3	Chromium	0.7	36.5	
3050B	03/17/05	6010B	03/21/05	7440-48-4	Cobalt	0.4	7.0	
3050B	03/17/05	6010B	03/21/05	7440-50-8	Copper	0.3	132	
3050B	03/17/05	6010B	03/21/05	7439-92-1	Lead	3	75	
CLP	03/17/05	7471A	03/23/05	7439-97-6	Mercury	0.06	0.11	
3050B	03/17/05	6010B	03/21/05	7439-98-7	Molybdenum	0.7	2.3	
3050B	03/17/05	6010B	03/21/05	7440-02-0	Nickel	1	21	
3050B	03/17/05	6010B	03/21/05	7782-49-2	Selenium	7	7	U
3050B	03/17/05	6010B	03/21/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/17/05	200.8	03/21/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/17/05	6010B	03/21/05	7440-62-2	Vanadium	0.4	52.3	
3050B	03/17/05	6010B	03/21/05	7440-66-6	Zinc	0.8	401	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS77-010

SAMPLE

Lab Sample ID: HV58E

LIMS ID: 05-5110

Matrix: Sediment

Data Release Authorized *AK*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 65.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.3	3.0	
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.3	80.9	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.3	0.4	
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	0.7	28.7	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	0.4	8.4	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.3	98.4	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	3	81	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.08	0.08	
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	0.7	7.7	
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	1	22	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	7	7	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	0.4	44.3	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	0.9	259	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS78-010

SAMPLE

Lab Sample ID: HU85C

LIMS ID: 05-4534

Matrix: Sediment

Data Release Authorized

Reported: 03/24/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Percent Total Solids: 44.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/05	200.8	03/21/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/17/05	200.8	03/21/05	7440-38-2	Arsenic	0.4	14.0	
3050B	03/17/05	6010B	03/21/05	7440-43-9	Cadmium	0.4	0.7	
3050B	03/17/05	6010B	03/21/05	7440-47-3	Chromium	1	36	
3050B	03/17/05	6010B	03/21/05	7440-48-4	Cobalt	0.7	10.8	
3050B	03/17/05	6010B	03/21/05	7440-50-8	Copper	0.4	82.8	
3050B	03/17/05	6010B	03/21/05	7439-92-1	Lead	4	41	
CLP	03/17/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.3	
3050B	03/17/05	6010B	03/21/05	7439-98-7	Molybdenum	1	2	
3050B	03/17/05	6010B	03/21/05	7440-02-0	Nickel	2	24	
3050B	03/17/05	6010B	03/21/05	7782-49-2	Selenium	10	10	U
3050B	03/17/05	6010B	03/21/05	7440-22-4	Silver	0.7	0.7	U
3050B	03/17/05	200.8	03/21/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/17/05	6010B	03/21/05	7440-62-2	Vanadium	0.7	78.0	
3050B	03/17/05	6010B	03/21/05	7440-66-6	Zinc	1	142	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS81-010

SAMPLE

Lab Sample ID: HV00A

LIMS ID: 05-4644

Matrix: Sediment

Data Release Authorized: 

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 49.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/23/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/21/05	200.8	03/23/05	7440-38-2	Arsenic	0.4	18.6	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.4	0.7	
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	1	35	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.6	10.6	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.4	87.7	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	4	50	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.2	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	1	2	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	2	23	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	10	10	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.6	76.2	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	1	155	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS81-010

DUPLICATE

Lab Sample ID: HV00A

LIMS ID: 05-4644

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

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	18.6	17.5	6.1%	+/- 20%	
Cadmium	6010B	0.7	0.7	0.0%	+/- 0.4	L
Chromium	6010B	35	35	0.0%	+/- 20%	
Cobalt	6010B	10.6	10.7	0.9%	+/- 20%	
Copper	6010B	87.7	91.1	3.8%	+/- 20%	
Lead	6010B	50	53	5.8%	+/- 20%	
Mercury	7471A	0.2	0.2	0.0%	+/- 0.1	L
Molybdenum	6010B	2	2	0.0%	+/- 1	L
Nickel	6010B	23	23	0.0%	+/- 20%	
Selenium	6010B	10 U	10 U	0.0%	+/- 10	L
Silver	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Thallium	200.8	0.4 U	0.4 U	0.0%	+/- 0.4	L
Vanadium	6010B	76.2	76.7	0.7%	+/- 20%	
Zinc	6010B	155	162	4.4%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1


Sample ID: LDW-SS82-010

SAMPLE

Lab Sample ID: HU85D

LIMS ID: 05-4535

Matrix: Sediment

Data Release Authorized: 

Reported: 03/24/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Percent Total Solids: 51.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/05	200.8	03/21/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/17/05	200.8	03/21/05	7440-38-2	Arsenic	0.4	9.4	
3050B	03/17/05	6010B	03/21/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/17/05	6010B	03/21/05	7440-47-3	Chromium	1	27	
3050B	03/17/05	6010B	03/21/05	7440-48-4	Cobalt	0.6	8.4	
3050B	03/17/05	6010B	03/21/05	7440-50-8	Copper	0.4	51.7	
3050B	03/17/05	6010B	03/21/05	7439-92-1	Lead	4	32	
CLP	03/17/05	7471A	03/23/05	7439-97-6	Mercury	0.09	0.15	
3050B	03/17/05	6010B	03/21/05	7439-98-7	Molybdenum	1	1	
3050B	03/17/05	6010B	03/21/05	7440-02-0	Nickel	2	19	
3050B	03/17/05	6010B	03/21/05	7782-49-2	Selenium	10	10	U
3050B	03/17/05	6010B	03/21/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/17/05	200.8	03/21/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/17/05	6010B	03/21/05	7440-62-2	Vanadium	0.6	60.3	
3050B	03/17/05	6010B	03/21/05	7440-66-6	Zinc	1	106	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS204-010

SAMPLE

Lab Sample ID: HU85G

LIMS ID: 05-4538

Matrix: Sediment

Data Release Authorized *AK*

Reported: 03/24/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Percent Total Solids: 52.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/05	200.8	03/21/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/17/05	200.8	03/21/05	7440-38-2	Arsenic	0.4	8.6	
3050B	03/17/05	6010B	03/21/05	7440-43-9	Cadmium	0.4	0.4	
3050B	03/17/05	6010B	03/21/05	7440-47-3	Chromium	0.9	27.7	
3050B	03/17/05	6010B	03/21/05	7440-48-4	Cobalt	0.6	8.7	
3050B	03/17/05	6010B	03/21/05	7440-50-8	Copper	0.4	59.6	
3050B	03/17/05	6010B	03/21/05	7439-92-1	Lead	4	328	
CLP	03/17/05	7471A	03/23/05	7439-97-6	Mercury	0.08	0.11	
3050B	03/17/05	6010B	03/21/05	7439-98-7	Molybdenum	0.9	1.6	
3050B	03/17/05	6010B	03/21/05	7440-02-0	Nickel	2	20	
3050B	03/17/05	6010B	03/21/05	7782-49-2	Selenium	9	9	U
3050B	03/17/05	6010B	03/21/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/17/05	200.8	03/21/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/17/05	6010B	03/21/05	7440-62-2	Vanadium	0.6	63.9	
3050B	03/17/05	6010B	03/21/05	7440-66-6	Zinc	1	150	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS85-010
SAMPLE

Lab Sample ID: HU85A

QC Report No: HU85-Windward Environmental

LIMS ID: 05-4532

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized

Date Sampled: 03/07/05

Reported: 03/24/05

Date Received: 03/07/05

Percent Total Solids: 64.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/05	200.8	03/21/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/17/05	200.8	03/21/05	7440-38-2	Arsenic	0.3	6.8	
3050B	03/17/05	6010B	03/21/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/17/05	6010B	03/21/05	7440-47-3	Chromium	0.7	17.5	
3050B	03/17/05	6010B	03/21/05	7440-48-4	Cobalt	0.4	5.2	
3050B	03/17/05	6010B	03/21/05	7440-50-8	Copper	0.3	39.8	
3050B	03/17/05	6010B	03/21/05	7439-92-1	Lead	3	38	
CLP	03/17/05	7471A	03/23/05	7439-97-6	Mercury	0.08	0.08	U
3050B	03/17/05	6010B	03/21/05	7439-98-7	Molybdenum	0.7	1.2	
3050B	03/17/05	6010B	03/21/05	7440-02-0	Nickel	1	13	
3050B	03/17/05	6010B	03/21/05	7782-49-2	Selenium	7	7	U
3050B	03/17/05	6010B	03/21/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/17/05	200.8	03/21/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/17/05	6010B	03/21/05	7440-62-2	Vanadium	0.4	48.3	
3050B	03/17/05	6010B	03/21/05	7440-66-6	Zinc	0.9	80.0	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS85-010

DUPLICATE

Lab Sample ID: HU85A

LIMS ID: 05-4532

Matrix: Sediment

Data Release Authorized

Reported: 03/24/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

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	6.8	5.7	17.6%	+/- 20%	
Cadmium	6010B	0.3 U	0.3 U	0.0%	+/- 0.3	L
Chromium	6010B	17.5	17.0	2.9%	+/- 20%	
Cobalt	6010B	5.2	5.2	0.0%	+/- 20%	
Copper	6010B	39.8	36.3	9.2%	+/- 20%	
Lead	6010B	38	36	5.4%	+/- 20%	
Mercury	7471A	0.08 U	0.07 U	0.0%	+/- 0.08	L
Molybdenum	6010B	1.2	1.3	8.0%	+/- 0.7	L
Nickel	6010B	13	13	0.0%	+/- 20%	
Selenium	6010B	7 U	7 U	0.0%	+/- 7	L
Silver	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Thallium	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Vanadium	6010B	48.3	48.9	1.2%	+/- 20%	
Zinc	6010B	80.0	78.3	2.1%	+/- 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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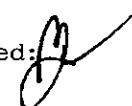
Sample ID: LDW-SS86-010

SAMPLE

Lab Sample ID: HV42I

LIMS ID: 05-4933

Matrix: Sediment

Data Release Authorized: 

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Percent Total Solids: 79.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.2	0.2	U
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.2	2.7	
3050B	03/22/05	6010B	03/25/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/22/05	6010B	03/25/05	7440-47-3	Chromium	0.6	13.9	
3050B	03/22/05	6010B	03/25/05	7440-48-4	Cobalt	0.4	4.6	
3050B	03/22/05	6010B	03/25/05	7440-50-8	Copper	0.2	13.3	
3050B	03/22/05	6010B	03/25/05	7439-92-1	Lead	2	9	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.05	0.05	U
3050B	03/22/05	6010B	03/25/05	7439-98-7	Molybdenum	0.6	0.7	
3050B	03/22/05	6010B	03/25/05	7440-02-0	Nickel	1	8	
3050B	03/22/05	6010B	03/25/05	7782-49-2	Selenium	6	6	U
3050B	03/22/05	6010B	03/25/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.2	0.2	U
3050B	03/22/05	6010B	03/25/05	7440-62-2	Vanadium	0.4	47.0	
3050B	03/22/05	6010B	03/25/05	7440-66-6	Zinc	0.7	35.3	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS90-010

SAMPLE

Lab Sample ID: HV58A

LIMS ID: 05-5106

Matrix: Sediment

Data Release Authorized

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 67.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/29/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/24/05	200.8	03/29/05	7440-38-2	Arsenic	0.3	10.2	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.7	0.7	U
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	2	65	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	1	9	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.7	70.4	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	7	93	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.07	0.07	U
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	2	4	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	4	20	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	20	20	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	1	1	U
3050B	03/24/05	200.8	03/29/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	1	57	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	2	288	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS90-010
DUPLICATE

Lab Sample ID: HV58A

LIMS ID: 05-5106

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

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	10.2	13.3	26.4%	+/- 20%	*
Cadmium	6010B	0.7 U	0.7 U	0.0%	+/- 0.7	L
Chromium	6010B	65	56	14.9%	+/- 20%	
Cobalt	6010B	9	9	0.0%	+/- 20%	
Copper	6010B	70.4	73.2	3.9%	+/- 20%	
Lead	6010B	93	47	65.7%	+/- 20%	*
Mercury	7471A	0.07 U	0.07 U	0.0%	+/- 0.07	L
Molybdenum	6010B	4	4	0.0%	+/- 2	L
Nickel	6010B	20	27	29.8%	+/- 20%	*
Selenium	6010B	20 U	20 U	0.0%	+/- 20	L
Silver	6010B	1 U	1 U	0.0%	+/- 1	L
Thallium	200.8	0.3 U	0.3 U	0.0%	+/- 0.3	L
Vanadium	6010B	57	54	5.4%	+/- 20%	
Zinc	6010B	288	204	34.1%	+/- 20%	*

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS91-010
SAMPLE

Lab Sample ID: HU85H

LIMS ID: 05-4539

Matrix: Sediment

Data Release Authorized: *JK*

Reported: 03/24/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Percent Total Solids: 62.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/05	200.8	03/21/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/17/05	200.8	03/21/05	7440-38-2	Arsenic	0.3	6.9	
3050B	03/17/05	6010B	03/21/05	7440-43-9	Cadmium	0.3	0.3	
3050B	03/17/05	6010B	03/21/05	7440-47-3	Chromium	0.7	27.6	
3050B	03/17/05	6010B	03/21/05	7440-48-4	Cobalt	0.4	6.7	
3050B	03/17/05	6010B	03/21/05	7440-50-8	Copper	0.3	180	
3050B	03/17/05	6010B	03/21/05	7439-92-1	Lead	3	38	
CLP	03/17/05	7471A	03/23/05	7439-97-6	Mercury	0.07	0.07	
3050B	03/17/05	6010B	03/21/05	7439-98-7	Molybdenum	0.7	1.4	
3050B	03/17/05	6010B	03/21/05	7440-02-0	Nickel	1	22	
3050B	03/17/05	6010B	03/21/05	7782-49-2	Selenium	7	7	U
3050B	03/17/05	6010B	03/21/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/17/05	200.8	03/21/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/17/05	6010B	03/21/05	7440-62-2	Vanadium	0.4	53.0	
3050B	03/17/05	6010B	03/21/05	7440-66-6	Zinc	0.9	225	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

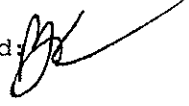
Page 1 of 1

Sample ID: LDW-SS93-010
SAMPLE

Lab Sample ID: HV72A

LIMS ID: 05-5210

Matrix: Sediment

Data Release Authorized: 

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Percent Total Solids: 46.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.4	9.6	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.4	0.4	
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	1	32	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.6	8.6	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.4	61.0	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	4	39	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.08	0.16	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	1	3	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	2	22	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	10	10	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.6	68.3	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	1	121	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS93-010

DUPLICATE

Lab Sample ID: HV72A

LIMS ID: 05-5210

Matrix: Sediment

Data Release Authorized

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

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	9.6	8.5	12.2%	+/- 20%	
Cadmium	6010B	0.4	0.4	0.0%	+/- 0.4	L
Chromium	6010B	32	33	3.1%	+/- 20%	
Cobalt	6010B	8.6	8.8	2.3%	+/- 20%	
Copper	6010B	61.0	62.3	2.1%	+/- 20%	
Lead	6010B	39	44	12.0%	+/- 20%	
Mercury	7471A	0.16	0.17	6.1%	+/- 0.08	L
Molybdenum	6010B	3	2	40.0%	+/- 1	L
Nickel	6010B	22	22	0.0%	+/- 20%	
Selenium	6010B	10 U	10 U	0.0%	+/- 10	L
Silver	6010B	0.6 U	0.6 U	0.0%	+/- 0.6	L
Thallium	200.8	0.4 U	0.4 U	0.0%	+/- 0.4	L
Vanadium	6010B	68.3	69.0	1.0%	+/- 20%	
Zinc	6010B	121	123	1.6%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS95-10

SAMPLE

Lab Sample ID: HV37C

LIMS ID: 05-4885

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 59.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.3	16.5	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.3	0.4	
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	0.8	30.3	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.5	7.7	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.3	65.4	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	3	38	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.08	0.26	
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	0.8	1.9	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	18	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	8	8	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.5	54.2	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	183	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1


Sample ID: LDW-SS98-010

SAMPLE

Lab Sample ID: HV76A

LIMS ID: 05-5223

Matrix: Sediment

Data Release Authorized: 

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Percent Total Solids: 54.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/28/05	200.8	03/31/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/28/05	200.8	03/31/05	7440-38-2	Arsenic	0.4	9.7	
3050B	03/28/05	6010B	03/31/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/28/05	6010B	03/31/05	7440-47-3	Chromium	0.9	19.4	
3050B	03/28/05	6010B	03/31/05	7440-48-4	Cobalt	0.6	6.1	
3050B	03/28/05	6010B	03/31/05	7440-50-8	Copper	0.4	33.6	
3050B	03/28/05	6010B	03/31/05	7439-92-1	Lead	4	15	
CLP	03/28/05	7471A	03/30/05	7439-97-6	Mercury	0.08	0.08	U
3050B	03/28/05	6010B	03/31/05	7439-98-7	Molybdenum	0.9	1.2	
3050B	03/28/05	6010B	03/31/05	7440-02-0	Nickel	2	13	
3050B	03/28/05	6010B	03/31/05	7782-49-2	Selenium	9	9	U
3050B	03/28/05	6010B	03/31/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/28/05	200.8	03/31/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/28/05	6010B	03/31/05	7440-62-2	Vanadium	0.6	52.6	
3050B	03/28/05	6010B	03/31/05	7440-66-6	Zinc	1	65	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS98-010

DUPLICATE

Lab Sample ID: HV76A

LIMS ID: 05-5223

Matrix: Sediment

Data Release Authorized

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

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	9.7	8.3	15.6%	+/- 20%	
Cadmium	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Chromium	6010B	19.4	19.0	2.1%	+/- 20%	
Cobalt	6010B	6.1	6.3	3.2%	+/- 20%	
Copper	6010B	33.6	35.2	4.7%	+/- 20%	
Lead	6010B	15	18	18.2%	+/- 4	L
Mercury	7471A	0.08 U	0.08	0.0%	+/- 0.08	L
Molybdenum	6010B	1.2	1.2	0.0%	+/- 0.9	L
Nickel	6010B	13	13	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	52.6	53.5	1.7%	+/- 20%	
Zinc	6010B	65	65	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-SS100-010

SAMPLE

Lab Sample ID: HV38B

LIMS ID: 05-4923

Matrix: Sediment

Data Release Authorized: *DAK*

Reported: 03/29/05

QC Report No: HV38-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/11/05

Date Received: 03/11/05

Percent Total Solids: 72.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	7.5	
3050B	03/22/05	6010B	03/25/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/22/05	6010B	03/25/05	7440-47-3	Chromium	0.7	13.5	
3050B	03/22/05	6010B	03/25/05	7440-48-4	Cobalt	0.4	5.0	
3050B	03/22/05	6010B	03/25/05	7440-50-8	Copper	0.3	17.1	
3050B	03/22/05	6010B	03/25/05	7439-92-1	Lead	3	61	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.06	0.06	U
3050B	03/22/05	6010B	03/25/05	7439-98-7	Molybdenum	0.7	1.0	
3050B	03/22/05	6010B	03/25/05	7440-02-0	Nickel	1	10	
3050B	03/22/05	6010B	03/25/05	7782-49-2	Selenium	7	7	U
3050B	03/22/05	6010B	03/25/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/22/05	6010B	03/25/05	7440-62-2	Vanadium	0.4	42.6	
3050B	03/22/05	6010B	03/25/05	7440-66-6	Zinc	0.8	52.1	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS103-010

SAMPLE

Lab Sample ID: HU85I

LIMS ID: 05-4540

Matrix: Sediment

Data Release Authorized: *AK*

Reported: 03/24/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Percent Total Solids: 56.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/17/05	200.8	03/21/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/17/05	200.8	03/21/05	7440-38-2	Arsenic	0.3	7.1	
3050B	03/17/05	6010B	03/21/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/17/05	6010B	03/21/05	7440-47-3	Chromium	0.8	22.5	
3050B	03/17/05	6010B	03/21/05	7440-48-4	Cobalt	0.5	7.3	
3050B	03/17/05	6010B	03/21/05	7440-50-8	Copper	0.3	35.6	
3050B	03/17/05	6010B	03/21/05	7439-92-1	Lead	3	22	
CLP	03/17/05	7471A	03/23/05	7439-97-6	Mercury	0.08	0.11	
3050B	03/17/05	6010B	03/21/05	7439-98-7	Molybdenum	0.8	1.6	
3050B	03/17/05	6010B	03/21/05	7440-02-0	Nickel	2	16	
3050B	03/17/05	6010B	03/21/05	7782-49-2	Selenium	8	8	U
3050B	03/17/05	6010B	03/21/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/17/05	200.8	03/21/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/17/05	6010B	03/21/05	7440-62-2	Vanadium	0.5	61.2	
3050B	03/17/05	6010B	03/21/05	7440-66-6	Zinc	1	76	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS105-010

SAMPLE

Lab Sample ID: HV00J

LIMS ID: 05-4653

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 64.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/23/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/21/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	8.8	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	0.8	21.2	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.5	7.2	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.3	35.3	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	3	30	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.08	0.08	U
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	0.8	1.4	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	2	15	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	8	8	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.5	57.5	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	0.9	86.8	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS106-010
SAMPLE

Lab Sample ID: HV00K

LIMS ID: 05-4654

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 70.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/25/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/21/05	200.8	03/25/05	7440-38-2	Arsenic	0.3	5.0	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	0.7	15.3	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.4	4.8	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.3	25.8	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	3	25	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.06	0.06	U
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	0.7	1.3	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	1	9	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	7	7	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.4	50.2	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	0.8	66.1	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS107-010
SAMPLE

Lab Sample ID: HV58L

LIMS ID: 05-5117

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 53.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.4	8.7	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	0.9	52.3	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	0.5	9.5	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.3	40.5	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	3	33	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.09	0.09	U
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	0.9	1.4	
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	2	31	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	9	9	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	0.5	60.4	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	1	84	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS108-010

SAMPLE

Lab Sample ID: HV42E
LIMS ID: 05-4929
Matrix: Sediment
Data Release Authorized
Reported: 03/29/05

QC Report No: HV42-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Percent Total Solids: 40.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.5	0.5	U
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.5	11.4	
3050B	03/22/05	6010B	03/25/05	7440-43-9	Cadmium	0.5	0.5	U
3050B	03/22/05	6010B	03/25/05	7440-47-3	Chromium	1	29	
3050B	03/22/05	6010B	03/25/05	7440-48-4	Cobalt	0.7	9.5	
3050B	03/22/05	6010B	03/25/05	7440-50-8	Copper	0.5	61.4	
3050B	03/22/05	6010B	03/25/05	7439-92-1	Lead	5	26	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.2	
3050B	03/22/05	6010B	03/25/05	7439-98-7	Molybdenum	1	2	
3050B	03/22/05	6010B	03/25/05	7440-02-0	Nickel	2	21	
3050B	03/22/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/22/05	6010B	03/25/05	7440-22-4	Silver	0.7	0.7	U
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.5	0.5	U
3050B	03/22/05	6010B	03/25/05	7440-62-2	Vanadium	0.7	73.5	
3050B	03/22/05	6010B	03/25/05	7440-66-6	Zinc	1	109	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS122-010

SAMPLE

Lab Sample ID: HV00L

LIMS ID: 05-4655

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 66.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/25/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/21/05	200.8	03/25/05	7440-38-2	Arsenic	0.3	7.5	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.3	0.4	
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	0.7	25.8	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.4	7.7	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.3	29.5	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	3	20	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.06	0.08	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	0.7	1.3	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	1	18	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	7	7	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.4	53.5	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	0.9	83.0	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS124-010

SAMPLE

Lab Sample ID: HV72B

LIMS ID: 05-5211

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Percent Total Solids: 72.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.3	4.8	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	0.6	21.3	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.4	7.1	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.3	23.1	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	3	11	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.06	0.06	U
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	0.6	0.9	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	1	18	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	6	6	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.4	47.1	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	0.8	50.7	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS131-010

SAMPLE

Lab Sample ID: HV00M

LIMS ID: 05-4656

Matrix: Sediment

Data Release Authorized

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 46.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/25/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/21/05	200.8	03/25/05	7440-38-2	Arsenic	0.4	10.4	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	1	31	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.6	9.9	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.4	46.9	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	4	19	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.1	U
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	1	2	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	2	23	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	10	10	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.6	68.2	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	1	113	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS206-010

SAMPLE

Lab Sample ID: HV00N

LIMS ID: 05-4657

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 45.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/25/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/21/05	200.8	03/25/05	7440-38-2	Arsenic	0.4	9.6	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	1	30	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.6	9.9	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.4	46.4	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	4	22	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.1	
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	1	2	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	2	22	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	10	10	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.6	68.5	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	1	112	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS132-10

SAMPLE

Lab Sample ID: HV37H

LIMS ID: 05-4890

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 38.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.5	0.5	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.5	15.8	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.5	0.5	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	1	29	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.7	9.7	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.5	55.0	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	5	24	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.1	U
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	1	1	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	21	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.7	0.7	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.5	0.5	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.7	72.6	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	104	

U-Analyte undetected at given RL

RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS133-10

SAMPLE

Lab Sample ID: HV37D

LIMS ID: 05-4886

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 41.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.5	0.5	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.5	10.0	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.5	0.5	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	1	27	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.7	9.6	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.5	49.4	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	5	19	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.1	
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	1	1	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	20	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.7	0.7	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.5	0.5	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.7	68.4	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	99	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS135-010

SAMPLE

Lab Sample ID: HV72C

LIMS ID: 05-5212

Matrix: Sediment

Data Release Authorized 

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Percent Total Solids: 59.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.3	9.8	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.3	0.8	
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	0.8	26.3	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.5	8.8	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.3	38.8	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	3	18	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.08	0.16	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	0.8	1.4	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	2	19	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	8	8	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.5	65.9	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	0.9	80.1	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

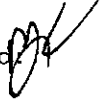
Page 1 of 1

Sample ID: LDW-SS136-010
SAMPLE

Lab Sample ID: HV72D

LIMS ID: 05-5213

Matrix: Sediment

Data Release Authorized 

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Percent Total Solids: 69.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.3	5.6	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	0.7	21.1	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.4	8.0	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.3	26.3	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	3	11	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.07	0.07	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	0.7	1.2	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	1	18	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	7	7	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.4	56.1	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	0.8	65.9	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS137-10

SAMPLE

Lab Sample ID: HV37G

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4889

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized *[Signature]*

Date Sampled: 03/09/05

Reported: 03/29/05

Date Received: 03/10/05

Percent Total Solids: 38.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.5	0.5	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.5	13.2	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.5	0.5	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	1	28	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.7	9.7	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.5	48.8	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	5	21	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.1	U
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	1	2	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	20	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.7	0.7	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.5	0.5	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.7	72.8	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	96	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS138-10

SAMPLE

Lab Sample ID: HV37E

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4887

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 03/09/05

Reported: 03/29/05

Date Received: 03/10/05

Percent Total Solids: 51.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.4	7.5	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	0.9	24.6	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.6	9.3	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.4	33.9	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	4	14	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.07	0.10	
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	0.9	1.4	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	19	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	9	9	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.6	64.1	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	77	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS139-10

SAMPLE

Lab Sample ID: HV37F

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4888

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized *JG*

Date Sampled: 03/09/05

Reported: 03/29/05

Date Received: 03/10/05

Percent Total Solids: 55.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.3	6.8	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	0.9	24.4	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.5	8.2	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.3	29.7	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	3	13	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.08	0.08	U
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	0.9	1.2	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	18	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	9	9	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.5	60.8	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	71	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS140-010

SAMPLE

Lab Sample ID: HV000

LIMS ID: 05-4658

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Percent Total Solids: 71.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/21/05	200.8	03/25/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/21/05	200.8	03/25/05	7440-38-2	Arsenic	0.3	5.0	
3050B	03/21/05	6010B	03/23/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/21/05	6010B	03/23/05	7440-47-3	Chromium	0.7	16.1	
3050B	03/21/05	6010B	03/23/05	7440-48-4	Cobalt	0.4	6.6	
3050B	03/21/05	6010B	03/23/05	7440-50-8	Copper	0.3	17.4	
3050B	03/21/05	6010B	03/23/05	7439-92-1	Lead	3	7	
CLP	03/21/05	7471A	03/23/05	7439-97-6	Mercury	0.06	0.06	U
3050B	03/21/05	6010B	03/23/05	7439-98-7	Molybdenum	0.7	1.0	
3050B	03/21/05	6010B	03/23/05	7440-02-0	Nickel	1	14	
3050B	03/21/05	6010B	03/23/05	7782-49-2	Selenium	7	7	U
3050B	03/21/05	6010B	03/23/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/21/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/21/05	6010B	03/23/05	7440-62-2	Vanadium	0.4	49.1	
3050B	03/21/05	6010B	03/23/05	7440-66-6	Zinc	0.8	51.9	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET
 TOTAL METALS
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Sample ID: LDW-SS141-010
 SAMPLE

Lab Sample ID: HV76B
 LIMS ID: 05-5224
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 04/01/05

QC Report No: HV76-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/15/05

Percent Total Solids: 48.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/28/05	200.8	03/31/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/28/05	200.8	03/31/05	7440-38-2	Arsenic	0.4	6.7	
3050B	03/28/05	6010B	03/31/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/28/05	6010B	03/31/05	7440-47-3	Chromium	1	23	
3050B	03/28/05	6010B	03/31/05	7440-48-4	Cobalt	0.6	8.3	
3050B	03/28/05	6010B	03/31/05	7440-50-8	Copper	0.4	30.9	
3050B	03/28/05	6010B	03/31/05	7439-92-1	Lead	4	13	
CLP	03/28/05	7471A	03/30/05	7439-97-6	Mercury	0.1	0.1	U
3050B	03/28/05	6010B	03/31/05	7439-98-7	Molybdenum	1	1	
3050B	03/28/05	6010B	03/31/05	7440-02-0	Nickel	2	18	
3050B	03/28/05	6010B	03/31/05	7782-49-2	Selenium	10	10	U
3050B	03/28/05	6010B	03/31/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/28/05	200.8	03/31/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/28/05	6010B	03/31/05	7440-62-2	Vanadium	0.6	60.1	
3050B	03/28/05	6010B	03/31/05	7440-66-6	Zinc	1	71	

U-Analyte undetected at given RL
 RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS144-010

SAMPLE

Lab Sample ID: HV76J

QC Report No: HV76-Windward Environmental

LIMS ID: 05-5232

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 03/15/05

Reported: 04/01/05

Date Received: 03/15/05

Percent Total Solids: 68.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/28/05	200.8	03/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/28/05	200.8	03/31/05	7440-38-2	Arsenic	0.3	3.4	
3050B	03/28/05	6010B	03/31/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/28/05	6010B	03/31/05	7440-47-3	Chromium	0.7	13.1	
3050B	03/28/05	6010B	03/31/05	7440-48-4	Cobalt	0.4	4.8	
3050B	03/28/05	6010B	03/31/05	7440-50-8	Copper	0.3	15.4	
3050B	03/28/05	6010B	03/31/05	7439-92-1	Lead	3	14	
CLP	03/28/05	7471A	03/30/05	7439-97-6	Mercury	0.07	0.07	U
3050B	03/28/05	6010B	03/31/05	7439-98-7	Molybdenum	0.7	1.0	
3050B	03/28/05	6010B	03/31/05	7440-02-0	Nickel	1	9	
3050B	03/28/05	6010B	03/31/05	7782-49-2	Selenium	7	7	U
3050B	03/28/05	6010B	03/31/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/28/05	200.8	03/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/28/05	6010B	03/31/05	7440-62-2	Vanadium	0.4	43.8	
3050B	03/28/05	6010B	03/31/05	7440-66-6	Zinc	0.8	42.6	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS145-010
SAMPLE

Lab Sample ID: HV58M

LIMS ID: 05-5118

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 84.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.2	0.2	U
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.2	4.5	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	0.6	14.5	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	0.3	7.3	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.2	13.7	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	2	5	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.06	0.06	U
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	0.6	0.8	
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	1	14	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	6	6	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	0.3	0.3	U
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.2	0.2	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	0.3	47.2	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	0.7	47.4	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS146-10
SAMPLE

Lab Sample ID: HV37L

LIMS ID: 05-4894

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 46.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.4	7.1	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	1	23	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.6	9.0	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.4	34.9	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	4	14	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.1	U
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	1	2	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	18	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.6	65.4	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	80	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS147-10

SAMPLE

Lab Sample ID: HV37M

LIMS ID: 05-4895

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 51.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.4	8.7	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	1	24	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.6	9.3	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.4	35.8	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	4	28	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.08	0.13	
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	1	2	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	19	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.6	61.0	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	86	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS148-10

SAMPLE

Lab Sample ID: HV37N

LIMS ID: 05-4896

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 47.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.4	15.6	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	1	26	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.6	6.6	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.4	36.0	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	4	95	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.1	0.1	U
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	1	2	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	15	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	10	10	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.6	0.6	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.6	56.0	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	97	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS149-10

SAMPLE

Lab Sample ID: HV370

LIMS ID: 05-4897

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 61.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.3	6.4	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	0.8	23.4	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.5	7.0	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.3	28.2	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	3	20	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.07	0.07	U
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	0.8	1.0	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	2	23	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	8	8	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.5	49.4	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	1	65	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS150-10
SAMPLE

Lab Sample ID: HV37P

LIMS ID: 05-4898

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Percent Total Solids: 67.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/23/05	200.8	03/25/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/23/05	200.8	03/25/05	7440-38-2	Arsenic	0.3	5.8	
3050B	03/23/05	6010B	03/25/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/23/05	6010B	03/25/05	7440-47-3	Chromium	0.7	25.0	
3050B	03/23/05	6010B	03/25/05	7440-48-4	Cobalt	0.4	6.4	
3050B	03/23/05	6010B	03/25/05	7440-50-8	Copper	0.3	24.9	
3050B	03/23/05	6010B	03/25/05	7439-92-1	Lead	3	28	
CLP	03/23/05	7471A	03/23/05	7439-97-6	Mercury	0.06	0.11	
3050B	03/23/05	6010B	03/25/05	7439-98-7	Molybdenum	0.7	0.9	
3050B	03/23/05	6010B	03/25/05	7440-02-0	Nickel	1	16	
3050B	03/23/05	6010B	03/25/05	7782-49-2	Selenium	7	7	U
3050B	03/23/05	6010B	03/25/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/23/05	200.8	03/25/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/23/05	6010B	03/25/05	7440-62-2	Vanadium	0.4	46.6	
3050B	03/23/05	6010B	03/25/05	7440-66-6	Zinc	0.8	59.7	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS151-010
SAMPLE

Lab Sample ID: HV76I

LIMS ID: 05-5231

Matrix: Sediment

Data Release Authorized: *BK*

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Percent Total Solids: 85.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/28/05	200.8	03/31/05	7440-36-0	Antimony	0.2	0.2	U
3050B	03/28/05	200.8	03/31/05	7440-38-2	Arsenic	0.2	4.1	
3050B	03/28/05	6010B	03/31/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/28/05	6010B	03/31/05	7440-47-3	Chromium	0.6	12.6	
3050B	03/28/05	6010B	03/31/05	7440-48-4	Cobalt	0.3	6.3	
3050B	03/28/05	6010B	03/31/05	7440-50-8	Copper	0.2	15.0	
3050B	03/28/05	6010B	03/31/05	7439-92-1	Lead	2	5	
CLP	03/28/05	7471A	03/30/05	7439-97-6	Mercury	0.04	0.04	U
3050B	03/28/05	6010B	03/31/05	7439-98-7	Molybdenum	0.6	0.7	
3050B	03/28/05	6010B	03/31/05	7440-02-0	Nickel	1	13	
3050B	03/28/05	6010B	03/31/05	7782-49-2	Selenium	6	6	U
3050B	03/28/05	6010B	03/31/05	7440-22-4	Silver	0.3	0.3	U
3050B	03/28/05	200.8	03/31/05	7440-28-0	Thallium	0.2	0.2	U
3050B	03/28/05	6010B	03/31/05	7440-62-2	Vanadium	0.3	43.0	
3050B	03/28/05	6010B	03/31/05	7440-66-6	Zinc	0.7	49.6	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS152-010

SAMPLE

Lab Sample ID: HV76H

LIMS ID: 05-5230

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Percent Total Solids: 82.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/28/05	200.8	03/31/05	7440-36-0	Antimony	0.2	0.2	U
3050B	03/28/05	200.8	03/31/05	7440-38-2	Arsenic	0.2	4.7	
3050B	03/28/05	6010B	03/31/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/28/05	6010B	03/31/05	7440-47-3	Chromium	0.6	19.2	
3050B	03/28/05	6010B	03/31/05	7440-48-4	Cobalt	0.3	6.7	
3050B	03/28/05	6010B	03/31/05	7440-50-8	Copper	0.2	14.3	
3050B	03/28/05	6010B	03/31/05	7439-92-1	Lead	2	4	
CLP	03/28/05	7471A	03/30/05	7439-97-6	Mercury	0.04	0.04	U
3050B	03/28/05	6010B	03/31/05	7439-98-7	Molybdenum	0.6	0.8	
3050B	03/28/05	6010B	03/31/05	7440-02-0	Nickel	1	15	
3050B	03/28/05	6010B	03/31/05	7782-49-2	Selenium	6	6	U
3050B	03/28/05	6010B	03/31/05	7440-22-4	Silver	0.3	0.3	U
3050B	03/28/05	200.8	03/31/05	7440-28-0	Thallium	0.2	0.2	U
3050B	03/28/05	6010B	03/31/05	7440-62-2	Vanadium	0.3	44.9	
3050B	03/28/05	6010B	03/31/05	7440-66-6	Zinc	0.7	47.8	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS153-010

SAMPLE

Lab Sample ID: HV76G

LIMS ID: 05-5229

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Percent Total Solids: 58.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/28/05	200.8	03/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/28/05	200.8	03/31/05	7440-38-2	Arsenic	0.3	6.3	
3050B	03/28/05	6010B	03/31/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/28/05	6010B	03/31/05	7440-47-3	Chromium	0.8	18.7	
3050B	03/28/05	6010B	03/31/05	7440-48-4	Cobalt	0.5	6.9	
3050B	03/28/05	6010B	03/31/05	7440-50-8	Copper	0.3	24.0	
3050B	03/28/05	6010B	03/31/05	7439-92-1	Lead	3	15	
CLP	03/28/05	7471A	03/30/05	7439-97-6	Mercury	0.07	0.07	U
3050B	03/28/05	6010B	03/31/05	7439-98-7	Molybdenum	0.8	1.1	
3050B	03/28/05	6010B	03/31/05	7440-02-0	Nickel	2	14	
3050B	03/28/05	6010B	03/31/05	7782-49-2	Selenium	8	8	U
3050B	03/28/05	6010B	03/31/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/28/05	200.8	03/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/28/05	6010B	03/31/05	7440-62-2	Vanadium	0.5	55.6	
3050B	03/28/05	6010B	03/31/05	7440-66-6	Zinc	1	56	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS154-010

SAMPLE

Lab Sample ID: HV76F

QC Report No: HV76-Windward Environmental

LIMS ID: 05-5228

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized *[Signature]*

Date Sampled: 03/15/05

Reported: 04/01/05

Date Received: 03/15/05

Percent Total Solids: 58.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/28/05	200.8	03/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/28/05	200.8	03/31/05	7440-38-2	Arsenic	0.3	7.3	
3050B	03/28/05	6010B	03/31/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/28/05	6010B	03/31/05	7440-47-3	Chromium	0.8	22.2	
3050B	03/28/05	6010B	03/31/05	7440-48-4	Cobalt	0.5	7.5	
3050B	03/28/05	6010B	03/31/05	7440-50-8	Copper	0.3	25.4	
3050B	03/28/05	6010B	03/31/05	7439-92-1	Lead	3	11	
CLP	03/28/05	7471A	03/30/05	7439-97-6	Mercury	0.06	0.06	
3050B	03/28/05	6010B	03/31/05	7439-98-7	Molybdenum	0.8	1.2	
3050B	03/28/05	6010B	03/31/05	7440-02-0	Nickel	2	18	
3050B	03/28/05	6010B	03/31/05	7782-49-2	Selenium	8	8	U
3050B	03/28/05	6010B	03/31/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/28/05	200.8	03/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/28/05	6010B	03/31/05	7440-62-2	Vanadium	0.5	56.0	
3050B	03/28/05	6010B	03/31/05	7440-66-6	Zinc	1	68	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS155-010

SAMPLE

Lab Sample ID: HV76E

LIMS ID: 05-5227

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Percent Total Solids: 71.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/28/05	200.8	03/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/28/05	200.8	03/31/05	7440-38-2	Arsenic	0.3	5.4	
3050B	03/28/05	6010B	03/31/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/28/05	6010B	03/31/05	7440-47-3	Chromium	0.7	22.4	
3050B	03/28/05	6010B	03/31/05	7440-48-4	Cobalt	0.4	7.5	
3050B	03/28/05	6010B	03/31/05	7440-50-8	Copper	0.3	22.1	
3050B	03/28/05	6010B	03/31/05	7439-92-1	Lead	3	8	
CLP	03/28/05	7471A	03/30/05	7439-97-6	Mercury	0.07	0.07	U
3050B	03/28/05	6010B	03/31/05	7439-98-7	Molybdenum	0.7	0.9	
3050B	03/28/05	6010B	03/31/05	7440-02-0	Nickel	1	17	
3050B	03/28/05	6010B	03/31/05	7782-49-2	Selenium	7	7	U
3050B	03/28/05	6010B	03/31/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/28/05	200.8	03/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/28/05	6010B	03/31/05	7440-62-2	Vanadium	0.4	55.6	
3050B	03/28/05	6010B	03/31/05	7440-66-6	Zinc	0.8	55.8	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

Sample ID: LDW-SS156-010
SAMPLE

Lab Sample ID: HV76D

LIMS ID: 05-5226

Matrix: Sediment

Data Release Authorized: 

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Percent Total Solids: 81.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/28/05	200.8	03/31/05	7440-36-0	Antimony	0.2	0.2	U
3050B	03/28/05	200.8	03/31/05	7440-38-2	Arsenic	0.2	3.3	
3050B	03/28/05	6010B	03/31/05	7440-43-9	Cadmium	0.2	0.2	U
3050B	03/28/05	6010B	03/31/05	7440-47-3	Chromium	0.6	11.7	
3050B	03/28/05	6010B	03/31/05	7440-48-4	Cobalt	0.4	5.8	
3050B	03/28/05	6010B	03/31/05	7440-50-8	Copper	0.2	10.3	
3050B	03/28/05	6010B	03/31/05	7439-92-1	Lead	2	3	
CLP	03/28/05	7471A	03/30/05	7439-97-6	Mercury	0.06	0.06	U
3050B	03/28/05	6010B	03/31/05	7439-98-7	Molybdenum	0.6	0.8	
3050B	03/28/05	6010B	03/31/05	7440-02-0	Nickel	1	10	
3050B	03/28/05	6010B	03/31/05	7782-49-2	Selenium	6	6	U
3050B	03/28/05	6010B	03/31/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/28/05	200.8	03/31/05	7440-28-0	Thallium	0.2	0.2	U
3050B	03/28/05	6010B	03/31/05	7440-62-2	Vanadium	0.4	39.5	
3050B	03/28/05	6010B	03/31/05	7440-66-6	Zinc	0.7	37.9	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SS157-010
SAMPLE

Lab Sample ID: HW06F

LIMS ID: 05-5380

Matrix: Sediment

Data Release Authorized: *AK*

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Percent Total Solids: 53.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.4	21.1	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.9	1.6	
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	2	69	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	1	9	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.9	74.7	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	9	148	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.07	0.12	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	2	6	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	5	37	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	20	20	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	1	2	
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	1	67	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	3	248	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1


Sample ID: LDW-SS158-010

SAMPLE

Lab Sample ID: HW06D

LIMS ID: 05-5378

Matrix: Sediment

Data Release Authorized: 

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Percent Total Solids: 57.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.3	20.5	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.3	0.7	
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	0.9	174	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.5	7.7	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.3	52.1	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	3	51	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.07	0.10	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	0.9	7.6	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	2	48	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	9	9	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.5	0.6	
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.5	65.7	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	1	151	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SS159-010

SAMPLE

Lab Sample ID: HW06E

LIMS ID: 05-5379

Matrix: Sediment

Data Release Authorized: 

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Percent Total Solids: 60.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.3	10.0	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.3	0.4	
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	0.8	29.3	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.5	6.9	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.3	37.0	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	3	36	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.08	0.10	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	0.8	1.6	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	2	19	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	8	8	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.5	53.5	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	1	99	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SSB2b-010
SAMPLE

Lab Sample ID: HV38C

LIMS ID: 05-4924

Matrix: Sediment

Data Release Authorized *AK*

Reported: 03/29/05

QC Report No: HV38-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/11/05

Date Received: 03/11/05

Percent Total Solids: 66.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/22/05	200.8	03/23/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/22/05	200.8	03/23/05	7440-38-2	Arsenic	0.3	16.5	
3050B	03/22/05	6010B	03/25/05	7440-43-9	Cadmium	0.3	0.7	
3050B	03/22/05	6010B	03/25/05	7440-47-3	Chromium	0.7	28.9	
3050B	03/22/05	6010B	03/25/05	7440-48-4	Cobalt	0.4	8.3	
3050B	03/22/05	6010B	03/25/05	7440-50-8	Copper	0.3	67.5	
3050B	03/22/05	6010B	03/25/05	7439-92-1	Lead	3	82	
CLP	03/22/05	7471A	03/23/05	7439-97-6	Mercury	0.07	0.26	
3050B	03/22/05	6010B	03/25/05	7439-98-7	Molybdenum	0.7	1.9	
3050B	03/22/05	6010B	03/25/05	7440-02-0	Nickel	1	19	
3050B	03/22/05	6010B	03/25/05	7782-49-2	Selenium	7	7	U
3050B	03/22/05	6010B	03/25/05	7440-22-4	Silver	0.4	0.5	
3050B	03/22/05	200.8	03/23/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/22/05	6010B	03/25/05	7440-62-2	Vanadium	0.4	57.4	
3050B	03/22/05	6010B	03/25/05	7440-66-6	Zinc	0.9	146	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SSB4a-010
SAMPLE

Lab Sample ID: HV58J

LIMS ID: 05-5115

Matrix: Sediment

Data Release Authorized

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 56.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.3	0.3	
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.3	38.1	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.3	0.3	
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	0.9	34.3	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	0.5	9.0	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.3	226	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	3	75	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.08	0.23	
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	0.9	5.7	
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	2	14	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	9	9	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	0.5	0.9	
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	0.5	54.9	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	1	214	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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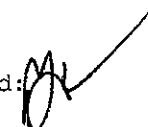
Sample ID: LDW-SSB5b-010

SAMPLE

Lab Sample ID: HV58G

LIMS ID: 05-5112

Matrix: Sediment

Data Release Authorized: 

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Percent Total Solids: 70.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/24/05	200.8	03/28/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/24/05	200.8	03/28/05	7440-38-2	Arsenic	0.3	5.6	
3050B	03/24/05	6010B	03/30/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/24/05	6010B	03/30/05	7440-47-3	Chromium	0.7	16.0	
3050B	03/24/05	6010B	03/30/05	7440-48-4	Cobalt	0.4	4.6	
3050B	03/24/05	6010B	03/30/05	7440-50-8	Copper	0.3	31.8	
3050B	03/24/05	6010B	03/30/05	7439-92-1	Lead	3	22	
CLP	03/24/05	7471A	03/25/05	7439-97-6	Mercury	0.07	0.08	
3050B	03/24/05	6010B	03/30/05	7439-98-7	Molybdenum	0.7	1.4	
3050B	03/24/05	6010B	03/30/05	7440-02-0	Nickel	1	11	
3050B	03/24/05	6010B	03/30/05	7782-49-2	Selenium	7	7	U
3050B	03/24/05	6010B	03/30/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/24/05	200.8	03/28/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/24/05	6010B	03/30/05	7440-62-2	Vanadium	0.4	38.1	
3050B	03/24/05	6010B	03/30/05	7440-66-6	Zinc	0.8	63.3	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

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Sample ID: LDW-SSB6a-010

SAMPLE

Lab Sample ID: HV72E

LIMS ID: 05-5214

Matrix: Sediment

Data Release Authorized

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Percent Total Solids: 73.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.3	0.7	
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.3	17.3	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	0.7	14.3	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.4	4.5	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.3	24.5	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	3	24	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.06	0.06	
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	0.7	1.0	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	1	9	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	7	7	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.4	41.4	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	0.8	52.2	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SSB7a-010
SAMPLE

Lab Sample ID: HW16A

LIMS ID: 05-5438

Matrix: Sediment

Data Release Authorized *[Signature]*

Reported: 04/05/05

QC Report No: HW16-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/18/05

Date Received: 03/18/05

Percent Total Solids: 44.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.4	0.4	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.4	8.9	
3050B	03/30/05	6010B	04/01/05	7440-43-9	Cadmium	0.4	0.4	U
3050B	03/30/05	6010B	04/01/05	7440-47-3	Chromium	1	23	
3050B	03/30/05	6010B	04/01/05	7440-48-4	Cobalt	0.7	7.4	
3050B	03/30/05	6010B	04/01/05	7440-50-8	Copper	0.4	47.3	
3050B	03/30/05	6010B	04/01/05	7439-92-1	Lead	4	26	
CLP	03/30/05	7471A	03/30/05	7439-97-6	Mercury	0.1	0.1	U
3050B	03/30/05	6010B	04/01/05	7439-98-7	Molybdenum	1	2	
3050B	03/30/05	6010B	04/01/05	7440-02-0	Nickel	2	17	
3050B	03/30/05	6010B	04/01/05	7782-49-2	Selenium	10	10	U
3050B	03/30/05	6010B	04/01/05	7440-22-4	Silver	0.7	0.7	U
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.4	0.4	U
3050B	03/30/05	6010B	04/01/05	7440-62-2	Vanadium	0.7	62.6	
3050B	03/30/05	6010B	04/01/05	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-SSB7a-010

DUPLICATE

Lab Sample ID: HW16A

LIMS ID: 05-5438

Matrix: Sediment

Data Release Authorized

Reported: 04/05/05

QC Report No: HW16-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/18/05

Date Received: 03/18/05

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	8.9	9.4	5.5%	+/- 20%	
Cadmium	6010B	0.4 U	0.4 U	0.0%	+/- 0.4	L
Chromium	6010B	23	24	4.3%	+/- 20%	
Cobalt	6010B	7.4	7.6	2.7%	+/- 20%	
Copper	6010B	47.3	42.8	10.0%	+/- 20%	
Lead	6010B	26	26	0.0%	+/- 20%	
Mercury	7471A	0.1 U	0.1 U	0.0%	+/- 0.1	L
Molybdenum	6010B	2	2	0.0%	+/- 1	L
Nickel	6010B	17	18	5.7%	+/- 20%	
Selenium	6010B	10 U	10 U	0.0%	+/- 10	L
Silver	6010B	0.7 U	0.7 U	0.0%	+/- 0.7	L
Thallium	200.8	0.4 U	0.4 U	0.0%	+/- 0.4	L
Vanadium	6010B	62.6	61.6	1.6%	+/- 20%	
Zinc	6010B	88	87	1.1%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met

L-RPD Invalid, Limit = Detection Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: LDW-SSB9a-010
SAMPLE

Lab Sample ID: HV76C

LIMS ID: 05-5225

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Percent Total Solids: 63.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/28/05	200.8	03/31/05	7440-36-0	Antimony	0.3	0.3	U
3050B	03/28/05	200.8	03/31/05	7440-38-2	Arsenic	0.3	5.9	
3050B	03/28/05	6010B	03/31/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/28/05	6010B	03/31/05	7440-47-3	Chromium	0.8	14.2	
3050B	03/28/05	6010B	03/31/05	7440-48-4	Cobalt	0.5	6.2	
3050B	03/28/05	6010B	03/31/05	7440-50-8	Copper	0.3	18.8	
3050B	03/28/05	6010B	03/31/05	7439-92-1	Lead	3	8	
CLP	03/28/05	7471A	03/30/05	7439-97-6	Mercury	0.07	0.07	U
3050B	03/28/05	6010B	03/31/05	7439-98-7	Molybdenum	0.8	0.9	
3050B	03/28/05	6010B	03/31/05	7440-02-0	Nickel	2	12	
3050B	03/28/05	6010B	03/31/05	7782-49-2	Selenium	8	8	U
3050B	03/28/05	6010B	03/31/05	7440-22-4	Silver	0.5	0.5	U
3050B	03/28/05	200.8	03/31/05	7440-28-0	Thallium	0.3	0.3	U
3050B	03/28/05	6010B	03/31/05	7440-62-2	Vanadium	0.5	43.4	
3050B	03/28/05	6010B	03/31/05	7440-66-6	Zinc	0.9	49.9	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

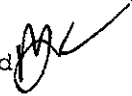
Sample ID: LDW-SSC1-010

SAMPLE

Lab Sample ID: HV72F

LIMS ID: 05-5215

Matrix: Sediment

Data Release Authorized 

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Percent Total Solids: 75.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	03/30/05	200.8	04/01/05	7440-36-0	Antimony	0.2	0.2	U
3050B	03/30/05	200.8	04/01/05	7440-38-2	Arsenic	0.2	3.5	
3050B	03/31/05	6010B	04/04/05	7440-43-9	Cadmium	0.3	0.3	U
3050B	03/31/05	6010B	04/04/05	7440-47-3	Chromium	0.7	13.9	
3050B	03/31/05	6010B	04/04/05	7440-48-4	Cobalt	0.4	5.0	
3050B	03/31/05	6010B	04/04/05	7440-50-8	Copper	0.3	19.1	
3050B	03/31/05	6010B	04/04/05	7439-92-1	Lead	3	4	
CLP	03/30/05	7471A	04/01/05	7439-97-6	Mercury	0.05	0.05	U
3050B	03/31/05	6010B	04/04/05	7439-98-7	Molybdenum	0.7	0.8	
3050B	03/31/05	6010B	04/04/05	7440-02-0	Nickel	1	10	
3050B	03/31/05	6010B	04/04/05	7782-49-2	Selenium	7	7	U
3050B	03/31/05	6010B	04/04/05	7440-22-4	Silver	0.4	0.4	U
3050B	03/30/05	200.8	04/01/05	7440-28-0	Thallium	0.2	0.2	U
3050B	03/31/05	6010B	04/04/05	7440-62-2	Vanadium	0.4	47.2	
3050B	03/31/05	6010B	04/04/05	7440-66-6	Zinc	0.8	30.8	

U-Analyte undetected at given RL

RL-Reporting Limit

Butyltins



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

Sample ID: LDW-SS2-010
 SAMPLE

Lab Sample ID: HW06B
 LIMS ID: 05-5376
 Matrix: Sediment
 Data Release Authorized:
 Reported: 08/03/05

QC Report No: HW06-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/16/05
 Date Received: 03/16/05

Date Extracted: 03/22/05
 Date Analyzed: 03/25/05 11:54
 Instrument/Analyst: NT2/VTS
 Alumina Cleanup: YES

Sample Amount: 5.28 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 41.5%
 pH: 6.9

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.7	10
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	75.1%

ORGANICS ANALYSIS DATA SHEET

Tributyl Tins by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS3-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV37B


QC Report No: HV37-Windward Environmental

LIMS ID: 05-4884

Project:

Matrix: Sediment

Date Sampled: 03/09/05

Data Release Authorized: 

Date Received: 03/10/05

Reported: 08/05/05

Date Extracted: 03/16/05

Sample Amount: 5.13 g-dry-wt

Date Analyzed: 03/17/05 12:33

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/VTS

Dilution Factor: 1.00

Silica Gel Cleanup: No

Alumina Cleanup: Yes

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	9.4	
DBT_ION	Dibutyl Tin Ion	5.6	3.6	J
BT_ION	Butyl Tin Ion	4.0	< 4.0	

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

TBT Surrogate Recovery

Tripropyl Tin Chloride	56.2%
Triphenyl Tin Chloride	79.9%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS6-010

SAMPLE

Lab Sample ID: HV42C

LIMS ID: 05-4927

Matrix: Sediment

Data Release Authorized:

Reported: 08/03/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/19/05

Date Analyzed: 03/22/05 16:39

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: 37.1%

pH: 7.2

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	20
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	56.9%
Tripentyl Tin Chloride	64.1%

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

Sample ID: LDW-SS7-010
SAMPLE

Lab Sample ID: HV37A
 LIMS ID: 05-4883
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 08/03/05

QC Report No: HV37-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/09/05
 Date Received: 03/10/05

Date Extracted: 03/16/05
 Date Analyzed: 03/17/05 12:14
 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: 52.1%
 pH: 7.2

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	7.5
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	77.3%
Tripentyl Tin Chloride	81.6%

ORGANICS ANALYSIS DATA SHEET

Tributyl Tins by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS8-010

Page 1 of 1

SAMPLE

Lab Sample ID: HU85K

QC Report No: HU85-Windward Environmental
Project:

LIMS ID: 05-4542

Matrix: Sediment

Date Sampled: 03/07/05

Data Release Authorized:

Date Received: 03/07/05

Reported: 08/05/05

Date Extracted: 03/14/05

Sample Amount: 5.07 g-dry-wt

Date Analyzed: 03/15/05 13:40

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/VTS

Dilution Factor: 1.00

Silica Gel Cleanup: No

Alumina Cleanup: Yes

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.8	20	
DBT_ION	Dibutyl Tin Ion	5.7	5.4	J
BT_ION	Butyl Tin Ion	4.0	< 4.0	

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

TBT Surrogate Recovery

Tripropyl Tin Chloride	69.3%
Tripropyl Tin Chloride	76.5%



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

Sample ID: LDW-SS16-010
 SAMPLE

Lab Sample ID: HV001
 LIMS ID: 05-4652
 Matrix: Sediment
 Data Release Authorized:
 Reported: 08/03/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/16/05
 Date Analyzed: 03/17/05 11:17
 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: 53.9%
 pH: 7.0

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

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	80.1%
Triphenyl Tin Chloride	84.7%



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

Sample ID: LDW-SS34-010
 SAMPLE

Lab Sample ID: HV58I
 LIMS ID: 05-5114
 Matrix: Sediment
 Data Release Authorized:
 Reported: 08/03/05

QC Report No: HV58-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/14/05

Date Extracted: 03/22/05
 Date Analyzed: 03/25/05 10:37
 Instrument/Analyst: NT2/VTS
 Alumina Cleanup: YES

Sample Amount: 5.26 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 19.5%
 pH: 6.7

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.7	5.4
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	62.4%
Tripentyl Tin Chloride	71.3%

ORGANICS ANALYSIS DATA SHEET

Tributyl Tins by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS41-010

Page 1 of 1

SAMPLE


Lab Sample ID: HV00C

QC Report No: HV00-Windward Environmental
Project:

LIMS ID: 05-4646

Matrix: Sediment

Date Sampled: 03/08/05

Data Release Authorized: 

Date Received: 03/09/05

Reported: 08/05/05

Date Extracted: 03/16/05

Sample Amount: 5.22 g-dry-wt

Date Analyzed: 03/17/05 10:09

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/VTS

Dilution Factor: 1.00

Silica Gel Cleanup: No

Alumina Cleanup: Yes

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	18	
DBT_ION	Dibutyl Tin Ion	5.5	3.6	J
BT_ION	Butyl Tin Ion	3.9	< 3.9	

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

TBT Surrogate Recovery

Tripropyl Tin Chloride	66.9%
Triphenyl Tin Chloride	72.9%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS45-010

SAMPLE

Lab Sample ID: HV42A

LIMS ID: 05-4925

Matrix: Sediment

Data Release Authorized:

Reported: 08/03/05 *AB*

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/19/05

Date Analyzed: 03/22/05 16:01

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: 52.6%

pH: 7.2

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.7	260
DBT_ION	Dibutyl Tin Ion	5.5	31
BT_ION	Butyl Tin Ion	3.9	< 3.9 U


Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	69.9%
Tripropyl Tin Chloride	73.0%

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

Sample ID: LDW-SS46-010
SAMPLE

Lab Sample ID: HV42B
 LIMS ID: 05-4926
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 08/03/05

QC Report No: HV42-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/10/05
 Date Received: 03/11/05

Date Extracted: 03/19/05
 Date Analyzed: 03/22/05 16:20
 Instrument/Analyst: NT2/VTS
 Alumina Cleanup: YES

Sample Amount: 5.25 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 38.6%
 pH: 7.0

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.7	3,400 E
DBT_ION	Dibutyl Tin Ion	5.5	530 E
BT_ION	Butyl Tin Ion	3.9	15

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	62.5%
Tripentyl Tin Chloride	63.5%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS46-010

DILUTION

Lab Sample ID: HV42B

LIMS ID: 05-4926

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 08/03/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/19/05

Date Analyzed: 03/25/05 12:13

Instrument/Analyst: NT2/VTS

Alumina Cleanup: YES

Sample Amount: 5.25 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 20.0

Percent Moisture: 38.6%

pH: 7.0

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	74	3,000
DBT_ION	Dibutyl Tin Ion	110	560
BT_ION	Butyl Tin Ion	78	< 78 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	67.7%
Triphenyl Tin Chloride	70.8%

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

Sample ID: LDW-SS47-010
 SAMPLE

Lab Sample ID: HV42D
 LIMS ID: 05-4928
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 08/03/05

QC Report No: HV42-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/10/05
 Date Received: 03/11/05

Date Extracted: 03/19/05
 Date Analyzed: 03/22/05 16:58
 Instrument/Analyst: NT2/VTS
 Alumina Cleanup: YES

Sample Amount: 5.03 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 22.6%
 pH: 7.2

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	230
DBT_ION	Dibutyl Tin Ion	5.7	150
BT_ION	Butyl Tin Ion	4.1	16

Reported in µg/kg (ppb)


TBT Surrogate Recovery

Tripropyl Tin Chloride	59.0%
Triphenyl Tin Chloride	64.3%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS53-010
SAMPLE

Lab Sample ID: HV58H
LIMS ID: 05-5113
Matrix: Sediment
Data Release Authorized: 
Reported: 08/03/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/22/05
Date Analyzed: 03/25/05 10:19
Instrument/Analyst: NT2/VTS
Alumina Cleanup: YES

Sample Amount: 5.16 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 55.1%
pH: 6.0

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.7	6.3
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	76.3%
Triphenyl Tin Chloride	78.8%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS74-010
SAMPLE

Lab Sample ID: HU85F
LIMS ID: 05-4537
Matrix: Sediment
Data Release Authorized: 
Reported: 08/05/05

QC Report No: HU85-Windward Environmental
Project:
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/14/05
Date Analyzed: 03/15/05 12:43
Instrument/Analyst: NT2/VTS
Silica Gel Cleanup: No

Sample Amount: 5.32 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	3.6	110	
DBT_ION	Dibutyl Tin Ion	5.4	49	
BT_ION	Butyl Tin Ion	3.8	3.0	J

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

TBT Surrogate Recovery

Tripropyl Tin Chloride	69.7%
Tripentyl Tin Chloride	65.9%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS78-010
SAMPLE

Lab Sample ID: HU85C
LIMS ID: 05-4534
Matrix: Sediment
Data Release Authorized:
Reported: 08/05/05

QC Report No: HU85-Windward Environmental
Project:
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/14/05
Date Analyzed: 03/15/05 12:24
Instrument/Analyst: NT2/VTS
Silica Gel Cleanup: No

Sample Amount: 5.03 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	3.8	19	
DBT_ION	Dibutyl Tin Ion	5.7	3.8	J
BT_ION	Butyl Tin Ion	4.1	< 4.1	

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


TBT Surrogate Recovery

Tripropyl Tin Chloride	72.5%
Tripentyl Tin Chloride	62.0%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS107-010
SAMPLE

Lab Sample ID: HV58L
LIMS ID: 05-5117
Matrix: Sediment
Data Release Authorized: 
Reported: 08/03/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/22/05
Date Analyzed: 03/25/05 11:35
Instrument/Analyst: NT2/VTS
Alumina Cleanup: YES

Sample Amount: 5.03 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 44.4%
pH: 6.2

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	< 3.8 U
DBT_ION	Dibutyl Tin Ion	5.7	< 5.7 U
BT_ION	Butyl Tin Ion	4.1	< 4.1 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	69.3%
Triphenyl Tin Chloride	64.7%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS108-010
SAMPLE

Lab Sample ID: HV42E
LIMS ID: 05-4929
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 08/03/05

QC Report No: HV42-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Date Extracted: 03/19/05
Date Analyzed: 03/22/05 17:54
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: 56.3%
pH: 7.1

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.8	8.7
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	64.0%
Triphenyl Tin Chloride	66.6%



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

Sample ID: LDW-SS124-010
 SAMPLE

Lab Sample ID: HV72B
 LIMS ID: 05-5211
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 08/03/05

QC Report No: HV72-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/16/05

Date Extracted: 03/19/05
 Date Analyzed: 03/22/05 18:13
 Instrument/Analyst: NT2/VTS
 Alumina Cleanup: YES

Sample Amount: 5.33 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 1.00
 Percent Moisture: 37.6%
 pH: 7.1

CAS Number	Analyte	RL	Result
TBT_ION	Tributyl Tin Ion	3.6	9.8
DBT_ION	Dibutyl Tin Ion	5.4	< 5.4 U
BT_ION	Butyl Tin Ion	3.8	< 3.8 U

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	58.2%
Triphenyl Tin Chloride	62.3%

ORGANICS ANALYSIS DATA SHEET

TBT by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS131-010

SAMPLE

Lab Sample ID: HV00M

LIMS ID: 05-4656

Matrix: Sediment

Data Release Authorized:

Reported: 08/03/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/16/05

Date Analyzed: 03/17/05 11:36

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: 53.3%

pH: 6.5

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

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	66.0%
Tripropyl Tin Chloride	76.5%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS206-010
SAMPLE

Lab Sample ID: HV00N
LIMS ID: 05-4657
Matrix: Sediment
Data Release Authorized:
Reported: 08/05/05

QC Report No: HV00-Windward Environmental
Project:
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/17/05 11:55
Instrument/Analyst: NT2/VTS
Silica Gel Cleanup: No

Sample Amount: 5.22 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Alumina Cleanup: Yes

CAS Number	Analyte	RL	Result	Q
TBT_ION	Tributyl Tin Ion	3.7	53	
DBT_ION	Dibutyl Tin Ion	5.5	4.8	J
BT_ION	Butyl Tin Ion	3.9	< 3.9	U

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

TBT Surrogate Recovery

Tripropyl Tin Chloride	76.8%
Triphenyl Tin Chloride	83.7%



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

Sample ID: LDW-SS133-010
 SAMPLE

Lab Sample ID: HV37D
 LIMS ID: 05-4886
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 08/03/05

QC Report No: HV37-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/09/05
 Date Received: 03/10/05

Date Extracted: 03/16/05
 Date Analyzed: 03/17/05 12:52
 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: 6.9

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

Reported in µg/kg (ppb)

TBT Surrogate Recovery

Tripropyl Tin Chloride	75.6%
Tripentyl Tin Chloride	83.6%

Semivolatile Organic Compounds

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS2-010
SAMPLE

Lab Sample ID: HW06B

LIMS ID: 05-5376

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HW06-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 21:14

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 41.5%

pH: 6.9

CAS Number	Analyte	RI	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	68
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	95
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
Page 2 of 2

Sample ID: LDW-SS2-010
SAMPLE

Lab Sample ID: HW06B
LIMS ID: 05-5376
Matrix: Sediment
Date Analyzed: 04/01/05 21:14

QC Report No: HW06-Windward Environmental
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	140
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	1,800
86-74-8	Carbazole	60	140
120-12-7	Anthracene	60	190
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	4,500
129-00-0	Pyrene	60	2,800
85-68-7	Butylbenzylphthalate	60	< 60 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	540
117-81-7	bis(2-Ethylhexyl)phthalate	60	300
218-01-9	Chrysene	60	1,600
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	1,300
207-08-9	Benzo (k) fluoranthene	60	760
50-32-8	Benzo (a) pyrene	60	450
193-39-5	Indeno (1,2,3-cd) pyrene	60	140
53-70-3	Dibenz (a, h) anthracene	60	45 J
191-24-2	Benzo (g, h, i) perylene	60	110
62-53-3	Aniline	60	< 60 U
62-75-9	N-Nitrosodimethylamine	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	59.0%	2-Fluorobiphenyl	71.3%
d14-p-Terphenyl	76.4%	d4-1,2-Dichlorobenzene	56.6%
d5-Phenol	57.4%	2-Fluorophenol	52.7%
2,4,6-Tribromophenol	67.0%	d4-2-Chlorophenol	60.7%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS2-010
SAMPLE

Lab Sample ID: HW06B

LIMS ID: 05-5376

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/31/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 03/29/05 20:28

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: 41.5 %

pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	290
205-99-2	Benzo (b) fluoranthene	6.6	950 E
50-32-8	Benzo (a) pyrene	6.6	270
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	220
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	75.2%	d5-Phenol	54.9%
2-Fluorophenol	66.9%	d4-2-Chlorophenol	62.4%
d4-1,2-Dichlorobenzene	60.0%	d5-Nitrobenzene	57.6%
2,4,6-Tribromophenol	80.8%	d14-p-Terphenyl	79.2%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS2-010
DILUTION

Lab Sample ID: HW06B
LIMS ID: 05-5376
Matrix: Sediment
Data Release Authorized:
Reported: 03/31/05

QC Report No: HW06-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Date Extracted: 03/22/05
Date Analyzed: 03/30/05 17:51
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.63 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 3.00
Percent Moisture: 41.5 %
pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	20	420
205-99-2	Benzo (b) fluoranthene	20	690
50-32-8	Benzo (a) pyrene	20	260
193-39-5	Indeno (1,2,3-cd) pyrene	20	210
106-46-7	1,4-Dichlorobenzene	20	< 20 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
100-51-6	Benzyl Alcohol	98	< 98 U
87-86-5	Pentachlorophenol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	70.8%	d5-Phenol	65.6%
2-Fluorophenol	68.0%	d4-2-Chlorophenol	63.2%
d4-1,2-Dichlorobenzene	51.6%	d5-Nitrobenzene	70.8%
2,4,6-Tribromophenol	73.6%	d14-p-Terphenyl	81.6%

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

Sample ID: LDW-SS3-10
 SAMPLE

Lab Sample ID: HV37B
 LIMS ID: 05-4884
 Matrix: Sediment
 Data Release Authorized:
 Reported: 04/01/05

QC Report No: HV37-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/09/05
 Date Received: 03/10/05

Date Extracted: 03/18/05
 Date Analyzed: 03/29/05 14:24
 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: 21.6%
 pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	21
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	13 J
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	15 J
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	16 J
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	18 J
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-SS3-10
 SAMPLE

Lab Sample ID: HV37B
 LIMS ID: 05-4884
 Matrix: Sediment
 Date Analyzed: 03/29/05 14:24

QC Report No: HV37-Windward Environmental
 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	27 B
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	22
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	23
120-12-7	Anthracene	20	48
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	260
129-00-0	Pyrene	20	290
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	97
117-81-7	bis (2-Ethylhexyl) phthalate	20	37 B
218-01-9	Chrysene	20	160
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	160
50-32-8	Benzo (a) pyrene	20	120
193-39-5	Indeno (1,2,3-cd) pyrene	20	68
53-70-3	Dibenz (a,h) anthracene	20	20
191-24-2	Benzo (g,h,i) perylene	20	57
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	82.0%	2-Fluorobiphenyl	79.2%
d14-p-Terphenyl	77.6%	d4-1,2-Dichlorobenzene	68.0%
d5-Phenol	86.4%	2-Fluorophenol	79.7%
2,4,6-Tribromophenol	88.0%	d4-2-Chlorophenol	77.3%



ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS3-10
SAMPLE

Lab Sample ID: HV37B
LIMS ID: 05-4884
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/23/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/18/05
Date Analyzed: 03/21/05 16:19
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 3.94 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 21.6 %
pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	13	100
205-99-2	Benzo (b) fluoranthene	13	190
50-32-8	Benzo (a) pyrene	13	170
193-39-5	Indeno (1,2,3-cd) pyrene	13	96
106-46-7	1,4-Dichlorobenzene	13	< 13 U
120-82-1	1,2,4-Trichlorobenzene	13	< 13 U
118-74-1	Hexachlorobenzene	13	< 13 U
87-68-3	Hexachlorobutadiene	13	< 13 U
65-85-0	Benzoic Acid	130	< 130 U
131-11-3	Dimethylphthalate	13	< 13 U
84-66-2	Diethylphthalate	13	< 13 U
85-68-7	Butylbenzylphthalate	13	< 13 U
95-48-7	2-Methylphenol	13	< 13 U
105-67-9	2,4-Dimethylphenol	13	< 13 U
86-30-6	N-Nitrosodiphenylamine	13	< 13 U
100-51-6	Benzyl Alcohol	64	< 64 U
87-86-5	Pentachlorophenol	64	< 64 U
95-50-1	1,2-Dichlorobenzene	13	< 13 U
621-64-7	N-Nitroso-Di-N-Propylamine	64	< 64 U
62-75-9	N-Nitrosodimethylamine	64	< 64 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	74.0%	d5-Phenol	70.7%
2-Fluorophenol	69.9%	d4-2-Chlorophenol	70.9%
d4-1,2-Dichlorobenzene	62.0%	d5-Nitrobenzene	67.6%
2,4,6-Tribromophenol	87.2%	d14-p-Terphenyl	79.6%

ORGANICS ANALYSIS DATA SHEET
Pesticides/PCB by GC/ECD Method 8081A
 Page 1 of 1

Sample ID: LDW-SS3-010
SAMPLE

Lab Sample ID: HZ55A
 LIMS ID: 05-7271
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 05/03/05

QC Report No: HZ55-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/09/05
 Date Received: 03/10/05

Date Extracted: 04/28/05
 Date Analyzed: 04/29/05 17:53
 Instrument/Analyst: ECD3/AAR
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.6 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.2
 Percent Moisture: 21.6%

CAS Number	Analyte	RL	Result
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	79.5%
Tetrachlorometaxylene	63.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS6-010

SAMPLE

Lab Sample ID: HV42C

LIMS ID: 05-4927

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Date Analyzed: 03/24/05 21:27

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: 37.1%

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	37
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	24
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-SS6-010

SAMPLE

Lab Sample ID: HV42C

LIMS ID: 05-4927

Matrix: Sediment

Date Analyzed: 03/24/05 21:27

QC Report No: HV42-Windward Environmental

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	27
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	81
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	29
84-74-2	Di-n-Butylphthalate	20	21
206-44-0	Fluoranthene	20	110
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	50
117-81-7	bis(2-Ethylhexyl)phthalate	20	770
218-01-9	Chrysene	20	80
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	150
207-08-9	Benzo (k) fluoranthene	20	100
50-32-8	Benzo (a) pyrene	20	76
193-39-5	Indeno (1,2,3-cd) pyrene	20	26
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	22
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	57.6%	2-Fluorobiphenyl	60.0%
d14-p-Terphenyl	66.4%	d4-1,2-Dichlorobenzene	54.4%
d5-Phenol	57.3%	2-Fluorophenol	54.1%
2,4,6-Tribromophenol	66.1%	d4-2-Chlorophenol	57.1%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS6-010

DILUTION

Lab Sample ID: HV42C

LIMS ID: 05-4927

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Date Analyzed: 03/25/05 17:57

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 37.1%

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	290	< 290 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
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	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U

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

Sample ID: LDW-SS6-010
 DILUTION

Lab Sample ID: HV42C
 LIMS ID: 05-4927
 Matrix: Sediment
 Date Analyzed: 03/25/05 17:57

QC Report No: HV42-Windward Environmental
 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	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
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	290	< 290 U
85-01-8	Phenanthrene	59	87
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	130
129-00-0	Pyrene	59	560
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	< 59 U
117-81-7	bis (2-Ethylhexyl) phthalate	59	850
218-01-9	Chrysene	59	90
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	120
207-08-9	Benzo (k) fluoranthene	59	89
50-32-8	Benzo (a) pyrene	59	78
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	290	< 290 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	65.4%	2-Fluorobiphenyl	66.8%
d14-p-Terphenyl	72.6%	d4-1,2-Dichlorobenzene	59.3%
d5-Phenol	68.0%	2-Fluorophenol	62.2%
2,4,6-Tribromophenol	71.7%	d4-2-Chlorophenol	66.6%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS6-010
SAMPLE

Lab Sample ID: HV42C

LIMS ID: 05-4927

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Date Analyzed: 03/28/05 16:35

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 2.55 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 37.1 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	20	71
205-99-2	Benzo (b) fluoranthene	20	110
50-32-8	Benzo (a) pyrene	20	96
193-39-5	Indeno (1,2,3-cd) pyrene	20	59
106-46-7	1,4-Dichlorobenzene	20	< 20 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	24
100-51-6	Benzyl Alcohol	98	< 98 U
87-86-5	Pentachlorophenol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	56.0%	d5-Phenol	38.4%
2-Fluorophenol	45.6%	d4-2-Chlorophenol	42.4%
d4-1,2-Dichlorobenzene	42.4%	d5-Nitrobenzene	44.4%
2,4,6-Tribromophenol	71.5%	d14-p-Terphenyl	69.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS7-10

SAMPLE

Lab Sample ID: HV37A

LIMS ID: 05-4883

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/29/05 13:53

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: 52.1%

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	37 J
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U

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

Sample ID: LDW-SS7-10
SAMPLE

Lab Sample ID: HV37A
 LIMS ID: 05-4883
 Matrix: Sediment
 Date Analyzed: 03/29/05 13:53

QC Report No: HV37-Windward Environmental
 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	100 B
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	30 J
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	250
86-74-8	Carbazole	59	51 J
120-12-7	Anthracene	59	110
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	600
129-00-0	Pyrene	59	530
85-68-7	Butylbenzylphthalate	59	60
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	310
117-81-7	bis (2-Ethylhexyl) phthalate	59	840 B
218-01-9	Chrysene	59	550
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	380
207-08-9	Benzo (k) fluoranthene	59	520
50-32-8	Benzo (a) pyrene	59	380
193-39-5	Indeno (1,2,3-cd) pyrene	59	220
53-70-3	Dibenz (a, h) anthracene	59	73
191-24-2	Benzo (g, h, i) perylene	59	200
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	80.9%	2-Fluorobiphenyl	79.9%
d14-p-Terphenyl	72.6%	d4-1,2-Dichlorobenzene	61.8%
d5-Phenol	83.2%	2-Fluorophenol	77.3%
2,4,6-Tribromophenol	82.4%	d4-2-Chlorophenol	78.4%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS7-10
SAMPLE

Lab Sample ID: HV37A
LIMS ID: 05-4883
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 03/23/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/18/05
Date Analyzed: 03/21/05 15:47
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: 52.1 %
pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	25
205-99-2	Benzo (b) fluoranthene	6.5	33
50-32-8	Benzo (a) pyrene	6.5	26
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 $\mu\text{g}/\text{kg}$ (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	69.6%	d5-Phenol	65.6%
2-Fluorophenol	60.3%	d4-2-Chlorophenol	63.7%
d4-1,2-Dichlorobenzene	62.8%	d5-Nitrobenzene	63.6%
2,4,6-Tribromophenol	79.5%	d14-p-Terphenyl	77.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS8-010

SAMPLE

Lab Sample ID: HU85K

LIMS ID: 05-4542

Matrix: Sediment

Data Release Authorized:

Reported: 03/28/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Date Analyzed: 03/21/05 22:58

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: 51.8%

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-SS8-010
 SAMPLE

Lab Sample ID: HU85K
 LIMS ID: 05-4542
 Matrix: Sediment
 Date Analyzed: 03/21/05 22:58

QC Report No: HU85-Windward Environmental
 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	250
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	190
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	620
129-00-0	Pyrene	98	520
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	330
117-81-7	bis(2-Ethylhexyl)phthalate	98	590
218-01-9	Chrysene	98	620
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	700
207-08-9	Benzo (k) fluoranthene	98	380
50-32-8	Benzo (a) pyrene	98	380
193-39-5	Indeno (1,2,3-cd) pyrene	98	120
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	98
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	68.6%	2-Fluorobiphenyl	74.6%
d14-p-Terphenyl	72.2%	d4-1,2-Dichlorobenzene	57.0%
d5-Phenol	71.6%	2-Fluorophenol	66.1%
2,4,6-Tribromophenol	87.7%	d4-2-Chlorophenol	70.9%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS8-010

Page 1 of 1

SAMPLE

Lab Sample ID: HU85K

QC Report No: HU85-Windward Environmental

LIMS ID: 05-4542

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/07/05

Reported: 03/16/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Sample Amount: 7.73 g-dry-wt

Date Analyzed: 03/16/05 00:11

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 51.8 %

pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.5	32
205-99-2	Benzo(b)fluoranthene	6.5	46
50-32-8	Benzo(a)pyrene	6.5	37
193-39-5	Indeno(1,2,3-cd)pyrene	6.5	24
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	76.8%	d5-Phenol	72.5%
2-Fluorophenol	71.7%	d4-2-Chlorophenol	74.4%
d4-1,2-Dichlorobenzene	67.2%	d5-Nitrobenzene	70.4%
2,4,6-Tribromophenol	82.1%	d14-p-Terphenyl	82.8%

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

Sample ID: LDW-SS9-010
SAMPLE

Lab Sample ID: HV58D
LIMS ID: 05-5109
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 04/05/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/23/05
Date Analyzed: 04/01/05 12:25
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 26.9%
pH: 6.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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	38
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	25
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	140
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	140
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	44
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-SS9-010
SAMPLE

Lab Sample ID: HV58D
LIMS ID: 05-5109
Matrix: Sediment
Date Analyzed: 04/01/05 12:25

QC Report No: HV58-Windward Environmental
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	180
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	1,400
86-74-8	Carbazole	20	45
120-12-7	Anthracene	20	420
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	1,900 E
129-00-0	Pyrene	20	1,400
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	850
117-81-7	bis (2-Ethylhexyl) phthalate	20	130
218-01-9	Chrysene	20	870
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	900
207-08-9	Benzo (k) fluoranthene	20	570
50-32-8	Benzo (a) pyrene	20	850
193-39-5	Indeno (1,2,3-cd) pyrene	20	310
53-70-3	Dibenz (a, h) anthracene	20	130
191-24-2	Benzo (g, h, i) perylene	20	230
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.6%	2-Fluorobiphenyl	72.0%
d14-p-Terphenyl	72.8%	d4-1,2-Dichlorobenzene	60.8%
d5-Phenol	80.8%	2-Fluorophenol	72.0%
2,4,6-Tribromophenol	75.7%	d4-2-Chlorophenol	71.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS9-010

DILUTION

Lab Sample ID: HV58D

LIMS ID: 05-5109

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/23/05

Date Analyzed: 04/04/05 15:57

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

Sample Amount: 50.7 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 3.00

Percent Moisture: 26.9%

pH: 6.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
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	120
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	130
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-SS9-010
 DILUTION

Lab Sample ID: HV58D
 LIMS ID: 05-5109
 Matrix: Sediment
 Date Analyzed: 04/04/05 15:57

QC Report No: HV58-Windward Environmental
 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	170
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	1,400
86-74-8	Carbazole	59	< 59 U
120-12-7	Anthracene	59	370
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	1,700
129-00-0	Pyrene	59	1,600
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	790
117-81-7	bis (2-Ethylhexyl)phthalate	59	120
218-01-9	Chrysene	59	950
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	520
207-08-9	Benzo (k) fluoranthene	59	670
50-32-8	Benzo (a) pyrene	59	810
193-39-5	Indeno (1,2,3-cd) pyrene	59	530
53-70-3	Dibenz (a,h) anthracene	59	89
191-24-2	Benzo (g,h,i) perylene	59	510
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	79.1%	2-Fluorobiphenyl	71.6%
d14-p-Terphenyl	75.6%	d4-1,2-Dichlorobenzene	58.7%
d5-Phenol	77.2%	2-Fluorophenol	67.6%
2,4,6-Tribromophenol	68.0%	d4-2-Chlorophenol	67.0%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS9-010
SAMPLE

Lab Sample ID: HV58D

LIMS ID: 05-5109

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/29/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/22/05

Date Analyzed: 03/28/05 22:27

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: 26.9 %

pH: 6.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	440
205-99-2	Benzo (b) fluoranthene	6.5	340
50-32-8	Benzo (a) pyrene	6.5	460
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	270
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	48.8%
2-Fluorophenol	57.1%	d4-2-Chlorophenol	56.0%
d4-1,2-Dichlorobenzene	56.4%	d5-Nitrobenzene	60.4%
2,4,6-Tribromophenol	76.0%	d14-p-Terphenyl	72.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS11-010

SAMPLE

Lab Sample ID: HV00H

LIMS ID: 05-4651

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 16:21

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: 27.3%

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	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-SS11-010

SAMPLE

Lab Sample ID: HV00H

LIMS ID: 05-4651

Matrix: Sediment

Date Analyzed: 03/23/05 16:21

QC Report No: HV00-Windward Environmental

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	61
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	25
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	120
129-00-0	Pyrene	19	130
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	96	< 96 U
56-55-3	Benzo (a) anthracene	19	60
117-81-7	bis (2-Ethylhexyl) phthalate	19	130 B
218-01-9	Chrysene	19	100
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	72
50-32-8	Benzo (a) pyrene	19	84
193-39-5	Indeno (1,2,3-cd) pyrene	19	33
53-70-3	Dibenz (a, h) anthracene	19	< 19 U
191-24-2	Benzo (g, h, i) perylene	19	27
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	72.4%	2-Fluorobiphenyl	76.4%
d14-p-Terphenyl	74.4%	d4-1,2-Dichlorobenzene	62.0%
d5-Phenol	73.9%	2-Fluorophenol	72.0%
2,4,6-Tribromophenol	99.2%	d4-2-Chlorophenol	71.7%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS11-010
SAMPLE

Lab Sample ID: HV00H

LIMS ID: 05-4651

Matrix: Sediment

Data Release Authorized:

Reported: 03/25/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/16/05

Date Analyzed: 03/23/05 19:10

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: 27.3 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	53
205-99-2	Benzo (b) fluoranthene	6.5	91
50-32-8	Benzo (a) pyrene	6.5	77
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	50
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
85-68-7	Butylbenzylphthalate	6.5	14
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	51.6%	d5-Phenol	49.9%
2-Fluorophenol	48.3%	d4-2-Chlorophenol	49.3%
d4-1,2-Dichlorobenzene	44.4%	d5-Nitrobenzene	48.0%
2,4,6-Tribromophenol	56.0%	d14-p-Terphenyl	54.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS16-010

SAMPLE

Lab Sample ID: HV00I

LIMS ID: 05-4652

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/21/05

Date Analyzed: 03/25/05 23:25

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 53.9%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	240
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	290	< 290 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
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	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	36 J
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	54 J
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	37 J
606-20-2	2,6-Dinitrotoluene	290	< 290 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS16-010

SAMPLE

Lab Sample ID: HV001

LIMS ID: 05-4652

Matrix: Sediment

Date Analyzed: 03/25/05 23:25

QC Report No: HV00-Windward Environmental

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	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	48 J
100-01-6	4-Nitroaniline	290	< 290 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	290	< 290 U
85-01-8	Phenanthrene	59	320
86-74-8	Carbazole	59	< 59 U
120-12-7	Anthracene	59	130
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	860
129-00-0	Pyrene	59	680
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	310
117-81-7	bis (2-Ethylhexyl) phthalate	59	360
218-01-9	Chrysene	59	520
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	540
207-08-9	Benzo (k) fluoranthene	59	430
50-32-8	Benzo (a) pyrene	59	330
193-39-5	Indeno (1,2,3-cd) pyrene	59	120
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	100
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	290	< 290 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.7%	2-Fluorobiphenyl	61.7%
d14-p-Terphenyl	68.9%	d4-1,2-Dichlorobenzene	56.3%
d5-Phenol	62.6%	2-Fluorophenol	58.2%
2,4,6-Tribromophenol	71.5%	d4-2-Chlorophenol	61.9%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS16-010
SAMPLE

Lab Sample ID: HV001
LIMS ID: 05-4652
Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/23/05 19:42
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: 53.9 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	170
205-99-2	Benzo (b) fluoranthene	6.6	220
50-32-8	Benzo (a) pyrene	6.6	200
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	130
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	7.2
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	18
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	63.6%	d5-Phenol	58.4%
2-Fluorophenol	57.1%	d4-2-Chlorophenol	57.9%
d4-1,2-Dichlorobenzene	48.8%	d5-Nitrobenzene	53.2%
2,4,6-Tribromophenol	75.7%	d14-p-Terphenyl	66.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS19-010

SAMPLE

Lab Sample ID: HV00F

LIMS ID: 05-4649

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 15:50

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: 43.9%

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	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	36
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-SS19-010

SAMPLE

Lab Sample ID: HV00F

LIMS ID: 05-4649

Matrix: Sediment

Date Analyzed: 03/23/05 15:50

QC Report No: HV00-Windward Environmental

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	44
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	250
86-74-8	Carbazole	20	22
120-12-7	Anthracene	20	77
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	460
129-00-0	Pyrene	20	350
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	180
117-81-7	bis(2-Ethylhexyl)phthalate	20	180 B
218-01-9	Chrysene	20	280
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	270
207-08-9	Benzo(k)fluoranthene	20	140
50-32-8	Benzo(a)pyrene	20	160
193-39-5	Indeno(1,2,3-cd)pyrene	20	64
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 $\mu\text{g}/\text{kg}$ (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	74.4%	2-Fluorobiphenyl	80.0%
d14-p-Terphenyl	79.2%	d4-1,2-Dichlorobenzene	62.8%
d5-Phenol	77.9%	2-Fluorophenol	73.9%
2,4,6-Tribromophenol	107%	d4-2-Chlorophenol	75.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS19-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV00F

QC Report No: HV00-Windward Environmental

LIMS ID: 05-4649

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *AS*

Date Sampled: 03/08/05

Reported: 03/25/05

Date Received: 03/09/05

Date Extracted: 03/16/05

Sample Amount: 7.57 g-dry-wt

Date Analyzed: 03/23/05 18:06

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 43.9 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	170
205-99-2	Benzo (b) fluoranthene	6.6	170
50-32-8	Benzo (a) pyrene	6.6	130
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	78
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	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	< 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	7.3
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	53.1%
2-Fluorophenol	53.9%	d4-2-Chlorophenol	53.9%
d4-1,2-Dichlorobenzene	44.8%	d5-Nitrobenzene	48.8%
2,4,6-Tribromophenol	67.7%	d14-p-Terphenyl	63.6%

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

Sample ID: LDW-SS205-010
 SAMPLE

Lab Sample ID: HV00G
 LIMS ID: 05-4650
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/29/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/21/05
 Date Analyzed: 03/25/05 22:52
 Instrument/Analyst: NT4/LJR
 GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt
 Final Extract Volume: 0.5 mL
 Dilution Factor: 3.00
 Percent Moisture: 47.5%
 pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	180
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
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	290	< 290 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
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	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	41 J
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	36 J
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	29 J
606-20-2	2,6-Dinitrotoluene	290	< 290 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS205-010

SAMPLE

Lab Sample ID: HV00G

LIMS ID: 05-4650

Matrix: Sediment

Date Analyzed: 03/25/05 22:52

QC Report No: HV00-Windward Environmental

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	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	64
100-01-6	4-Nitroaniline	290	< 290 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	290	< 290 U
85-01-8	Phenanthrene	59	450
86-74-8	Carbazole	59	68
120-12-7	Anthracene	59	190
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	910
129-00-0	Pyrene	59	960
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	350
117-81-7	bis (2-Ethylhexyl) phthalate	59	470
218-01-9	Chrysene	59	590
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	640
207-08-9	Benzo (k) fluoranthene	59	530
50-32-8	Benzo (a) pyrene	59	390
193-39-5	Indeno (1,2,3-cd) pyrene	59	140
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	110
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	290	< 290 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	54.5%	2-Fluorobiphenyl	57.0%
d14-p-Terphenyl	64.2%	d4-1,2-Dichlorobenzene	50.0%
d5-Phenol	58.3%	2-Fluorophenol	52.9%
2,4,6-Tribromophenol	61.9%	d4-2-Chlorophenol	58.5%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS205-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV00G

QC Report No: HV00-Windward Environmental

LIMS ID: 05-4650

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/08/05

Reported: 03/25/05

Date Received: 03/09/05

Date Extracted: 03/16/05

Sample Amount: 7.61 g-dry-wt

Date Analyzed: 03/23/05 18:38

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 47.5 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	150
205-99-2	Benzo (b) fluoranthene	6.6	260
50-32-8	Benzo (a) pyrene	6.6	190
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	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	32
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	60.0%	d5-Phenol	56.0%
2-Fluorophenol	57.3%	d4-2-Chlorophenol	56.0%
d4-1,2-Dichlorobenzene	50.8%	d5-Nitrobenzene	54.4%
2,4,6-Tribromophenol	69.3%	d14-p-Terphenyl	63.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS21-010

SAMPLE

Lab Sample ID: HV00E

LIMS ID: 05-4648

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05 *AB*

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/21/05

Date Analyzed: 03/25/05 22:20

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 39.5%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
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	290	< 290 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
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	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS21-010

SAMPLE

Lab Sample ID: HV00E

LIMS ID: 05-4648

Matrix: Sediment

Date Analyzed: 03/25/05 22:20

QC Report No: HV00-Windward Environmental

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	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
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	290	< 290 U
85-01-8	Phenanthrene	59	160
86-74-8	Carbazole	59	< 59 U
120-12-7	Anthracene	59	77
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	410
129-00-0	Pyrene	59	440
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	190
117-81-7	bis (2-Ethylhexyl) phthalate	59	400
218-01-9	Chrysene	59	310
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	380
207-08-9	Benzo (k) fluoranthene	59	330
50-32-8	Benzo (a) pyrene	59	260
193-39-5	Indeno (1,2,3-cd) pyrene	59	100
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	88
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	290	< 290 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	57.7%	2-Fluorobiphenyl	61.6%
d14-p-Terphenyl	67.0%	d4-1,2-Dichlorobenzene	52.2%
d5-Phenol	60.3%	2-Fluorophenol	54.6%
2,4,6-Tribromophenol	70.4%	d4-2-Chlorophenol	60.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS21-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV00E

QC Report No: HV00-Windward Environmental

LIMS ID: 05-4648

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 03/08/05

Reported: 05/06/05

Date Received: 03/09/05

Date Extracted: 03/16/05

Sample Amount: 7.59 g-dry-wt

Date Analyzed: 03/23/05 17:34

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 39.5 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	130
205-99-2	Benzo (b) fluoranthene	6.6	190
50-32-8	Benzo (a) pyrene	6.6	150
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	85
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	8.6
85-68-7	Butylbenzylphthalate	6.6	34
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	58.0%	d5-Phenol	53.9%
2-Fluorophenol	54.4%	d4-2-Chlorophenol	52.0%
d4-1,2-Dichlorobenzene	43.6%	d5-Nitrobenzene	47.2%
2,4,6-Tribromophenol	69.1%	d14-p-Terphenyl	59.6%

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

Sample ID: LDW-SS24-010
SAMPLE

Lab Sample ID: HV58C
LIMS ID: 05-5108
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 04/05/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/23/05
Date Analyzed: 04/01/05 11:54
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 37.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 45.7%
pH: 6.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	27	38 B
111-44-4	Bis-(2-Chloroethyl) Ether	27	< 27 U
95-57-8	2-Chlorophenol	27	< 27 U
541-73-1	1,3-Dichlorobenzene	27	< 27 U
106-46-7	1,4-Dichlorobenzene	27	< 27 U
100-51-6	Benzyl Alcohol	670	< 670 UJ
95-50-1	1,2-Dichlorobenzene	27	< 27 U
95-48-7	2-Methylphenol	27	32
108-60-1	2,2'-Oxybis(1-Chloropropane)	27	< 27 U
106-44-5	4-Methylphenol	27	54
621-64-7	N-Nitroso-Di-N-Propylamine	130	< 130 U
67-72-1	Hexachloroethane	27	< 27 U
98-95-3	Nitrobenzene	27	< 27 U
78-59-1	Isophorone	27	< 27 U
88-75-5	2-Nitrophenol	130	< 130 U
105-67-9	2,4-Dimethylphenol	27	< 27 U
65-85-0	Benzoic Acid	270	< 270 U
111-91-1	bis(2-Chloroethoxy) Methane	27	< 27 U
120-83-2	2,4-Dichlorophenol	130	< 130 U
120-82-1	1,2,4-Trichlorobenzene	27	< 27 U
91-20-3	Naphthalene	27	110
106-47-8	4-Chloroaniline	130	< 130 U
87-68-3	Hexachlorobutadiene	27	< 27 U
59-50-7	4-Chloro-3-methylphenol	130	< 130 U
91-57-6	2-Methylnaphthalene	27	52
77-47-4	Hexachlorocyclopentadiene	130	< 130 U
88-06-2	2,4,6-Trichlorophenol	130	< 130 U
95-95-4	2,4,5-Trichlorophenol	130	< 130 U
91-58-7	2-Chloronaphthalene	27	< 27 U
88-74-4	2-Nitroaniline	130	< 130 U
131-11-3	Dimethylphthalate	27	< 27 U
208-96-8	Acenaphthylene	27	290
99-09-2	3-Nitroaniline	130	< 130 U
83-32-9	Acenaphthene	27	60
51-28-5	2,4-Dinitrophenol	270	< 270 U
100-02-7	4-Nitrophenol	130	< 130 U
132-64-9	Dibenzofuran	27	64
606-20-2	2,6-Dinitrotoluene	130	< 130 U

Lab Sample ID: HV58C
 LIMS ID: 05-5108
 Matrix: Sediment
 Date Analyzed: 04/01/05 11:54

QC Report No: HV58-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	130	< 130 U
84-66-2	Diethylphthalate	27	< 27 U
7005-72-3	4-Chlorophenyl-phenylether	27	< 27 U
86-73-7	Fluorene	27	170
100-01-6	4-Nitroaniline	130	< 130 U
534-52-1	4,6-Dinitro-2-Methylphenol	270	< 270 U
86-30-6	N-Nitrosodiphenylamine	27	< 27 U
101-55-3	4-Bromophenyl-phenylether	27	< 27 U
118-74-1	Hexachlorobenzene	27	< 27 U
87-86-5	Pentachlorophenol	130	< 130 U
85-01-8	Phenanthrene	27	1,700
86-74-8	Carbazole	27	200
120-12-7	Anthracene	27	730
84-74-2	Di-n-Butylphthalate	27	< 27 U
206-44-0	Fluoranthene	27	3,300 E
129-00-0	Pyrene	27	4,200 E
85-68-7	Butylbenzylphthalate	27	< 27 U
91-94-1	3,3'-Dichlorobenzidine	130	< 130 U
56-55-3	Benzo(a)anthracene	27	1,100
117-81-7	bis(2-Ethylhexyl)phthalate	27	120
218-01-9	Chrysene	27	4,000 E
117-84-0	Di-n-Octyl phthalate	27	53
205-99-2	Benzo(b)fluoranthene	27	2,500 E
207-08-9	Benzo(k)fluoranthene	27	2,900 E
50-32-8	Benzo(a)pyrene	27	3,300 E
193-39-5	Indeno(1,2,3-cd)pyrene	27	710
53-70-3	Dibenz(a,h)anthracene	27	230
191-24-2	Benzo(g,h,i)perylene	27	520
62-53-3	Aniline	27	< 27 U
62-75-9	N-Nitrosodimethylamine	130	< 130 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	75.2%	2-Fluorobiphenyl	74.4%
d14-p-Terphenyl	95.6%	d4-1,2-Dichlorobenzene	58.0%
d5-Phenol	85.1%	2-Fluorophenol	66.4%
2,4,6-Tribromophenol	83.7%	d4-2-Chlorophenol	72.0%

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

Sample ID: LDW-SS24-010
DILUTION

Lab Sample ID: HV58C
LIMS ID: 05-5108
Matrix: Sediment
Data Release Authorized:
Reported: 04/05/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/23/05
Date Analyzed: 04/04/05 15:26
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 37.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Percent Moisture: 45.7%
pH: 6.3

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	670
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	670	< 670 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	670	< 670 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	670	< 670 U
120-82-1	1,2,4-Trichlorobenzene	130	< 130 U
91-20-3	Naphthalene	130	< 130 U
106-47-8	4-Chloroaniline	670	< 670 U
87-68-3	Hexachlorobutadiene	130	< 130 U
59-50-7	4-Chloro-3-methylphenol	670	< 670 U
91-57-6	2-Methylnaphthalene	130	< 130 U
77-47-4	Hexachlorocyclopentadiene	670	< 670 U
88-06-2	2,4,6-Trichlorophenol	670	< 670 U
95-95-4	2,4,5-Trichlorophenol	670	< 670 U
91-58-7	2-Chloronaphthalene	130	< 130 U
88-74-4	2-Nitroaniline	670	< 670 U
131-11-3	Dimethylphthalate	130	< 130 U
208-96-8	Acenaphthylene	130	240
99-09-2	3-Nitroaniline	670	< 670 U
83-32-9	Acenaphthene	130	< 130 U
51-28-5	2,4-Dinitrophenol	1,300	< 1,300 U
100-02-7	4-Nitrophenol	670	< 670 U
132-64-9	Dibenzofuran	130	< 130 U
606-20-2	2,6-Dinitrotoluene	670	< 670 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS24-010

DILUTION

Lab Sample ID: HV58C

LIMS ID: 05-5108

Matrix: Sediment

Date Analyzed: 04/04/05 15:26

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	670	< 670 U
84-66-2	Diethylphthalate	130	< 130 U
7005-72-3	4-Chlorophenyl-phenylether	130	< 130 U
86-73-7	Fluorene	130	160
100-01-6	4-Nitroaniline	670	< 670 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	670	< 670 U
85-01-8	Phenanthrene	130	1,900
86-74-8	Carbazole	130	160
120-12-7	Anthracene	130	630
84-74-2	Di-n-Butylphthalate	130	< 130 U
206-44-0	Fluoranthene	130	5,200
129-00-0	Pyrene	130	4,400
85-68-7	Butylbenzylphthalate	130	< 130 U
91-94-1	3,3'-Dichlorobenzidine	670	< 670 U
56-55-3	Benzo (a) anthracene	130	2,600
117-81-7	bis (2-Ethylhexyl) phthalate	130	< 130 U
218-01-9	Chrysene	130	3,600
117-84-0	Di-n-Octyl phthalate	130	< 130 U
205-99-2	Benzo (b) fluoranthene	130	2,100
207-08-9	Benzo (k) fluoranthene	130	1,700
50-32-8	Benzo (a) pyrene	130	2,100
193-39-5	Indeno (1,2,3-cd) pyrene	130	1,200
53-70-3	Dibenz (a,h) anthracene	130	350
191-24-2	Benzo (g,h,i) perylene	130	1,100
62-53-3	Aniline	130	< 130 U
62-75-9	N-Nitrosodimethylamine	670	< 670 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.6%	2-Fluorobiphenyl	77.8%
d14-p-Terphenyl	73.2%	d4-1,2-Dichlorobenzene	54.8%
d5-Phenol	75.2%	2-Fluorophenol	64.8%
2,4,6-Tribromophenol	70.1%	d4-2-Chlorophenol	63.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS24-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV58C

QC Report No: HV58-Windward Environmental

LIMS ID: 05-5108

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *AB*

Date Sampled: 03/14/05

Reported: 05/06/05

Date Received: 03/14/05

Date Extracted: 03/22/05

Sample Amount: 1.92 g-dry-wt

Date Analyzed: 03/28/05 21:55

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 45.7 %

pH: 6.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	26	1,100
205-99-2	Benzo (b) fluoranthene	26	860
50-32-8	Benzo (a) pyrene	26	2,000
193-39-5	Indeno (1,2,3-cd) pyrene	26	930
106-46-7	1,4-Dichlorobenzene	26	< 26 U
120-82-1	1,2,4-Trichlorobenzene	26	< 26 U
118-74-1	Hexachlorobenzene	13	< 13 UJ
87-68-3	Hexachlorobutadiene	26	< 26 U
65-85-0	Benzoic Acid	260	< 260 U
131-11-3	Dimethylphthalate	26	< 26 U
84-66-2	Diethylphthalate	26	< 26 U
85-68-7	Butylbenzylphthalate	26	< 26 U
95-48-7	2-Methylphenol	26	< 26 U
105-67-9	2,4-Dimethylphenol	26	< 26 U
86-30-6	N-Nitrosodiphenylamine	26	< 26 U
100-51-6	Benzyl Alcohol	65	< 65 UJ
87-86-5	Pentachlorophenol	130	< 130 U
95-50-1	1,2-Dichlorobenzene	26	< 26 U
621-64-7	N-Nitroso-Di-N-Propylamine	130	< 130 U
62-75-9	N-Nitrosodimethylamine	130	< 130 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	76.4%	d5-Phenol	59.2%
2-Fluorophenol	66.9%	d4-2-Chlorophenol	65.6%
d4-1,2-Dichlorobenzene	67.6%	d5-Nitrobenzene	63.6%
2,4,6-Tribromophenol	93.1%	d14-p-Terphenyl	81.6%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS24-010
DILUTION

Lab Sample ID: HV58C
LIMS ID: 05-5108
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 03/29/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/22/05
Date Analyzed: 03/29/05 14:36
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 1.92 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 3.00
Percent Moisture: 45.7 %
pH: 6.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	78	990
205-99-2	Benzo (b) fluoranthene	78	1,300
50-32-8	Benzo (a) pyrene	78	1,300
193-39-5	Indeno (1,2,3-cd) pyrene	78	880
106-46-7	1,4-Dichlorobenzene	78	< 78 U
120-82-1	1,2,4-Trichlorobenzene	78	< 78 U
118-74-1	Hexachlorobenzene	78	< 78 U
87-68-3	Hexachlorobutadiene	78	< 78 U
65-85-0	Benzoic Acid	780	< 780 U
131-11-3	Dimethylphthalate	78	< 78 U
84-66-2	Diethylphthalate	78	< 78 U
85-68-7	Butylbenzylphthalate	78	< 78 U
95-48-7	2-Methylphenol	78	< 78 U
105-67-9	2,4-Dimethylphenol	78	< 78 U
86-30-6	N-Nitrosodiphenylamine	78	< 78 U
100-51-6	Benzyl Alcohol	390	< 390 U
87-86-5	Pentachlorophenol	390	< 390 U
95-50-1	1,2-Dichlorobenzene	78	< 78 U
621-64-7	N-Nitroso-Di-N-Propylamine	390	< 390 U
62-75-9	N-Nitrosodimethylamine	390	< 390 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	73.2%	d5-Phenol	52.0%
2-Fluorophenol	58.4%	d4-2-Chlorophenol	68.0%
d4-1,2-Dichlorobenzene	68.4%	d5-Nitrobenzene	44.4%
2,4,6-Tribromophenol	62.4%	d14-p-Terphenyl	76.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS25-010

SAMPLE

Lab Sample ID: HV42H

LIMS ID: 05-4932

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Date Analyzed: 03/28/05 22:56

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: 19.8%

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	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

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Sample ID: LDW-SS25-010

SAMPLE

Lab Sample ID: HV42H

LIMS ID: 05-4932

Matrix: Sediment

Date Analyzed: 03/28/05 22:56

QC Report No: HV42-Windward Environmental

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	57.6%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	62.8%	d4-1,2-Dichlorobenzene	54.4%
d5-Phenol	60.8%	2-Fluorophenol	56.0%
2,4,6-Tribromophenol	69.6%	d4-2-Chlorophenol	58.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS25-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV42H

QC Report No: HV42-Windward Environmental

LIMS ID: 05-4932

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *AB*

Date Sampled: 03/10/05

Reported: 05/06/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Sample Amount: 7.65 g-dry-wt

Date Analyzed: 03/24/05 17:37

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 19.8 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.5	< 6.5 U
205-99-2	Benzo(b)fluoranthene	6.5	< 6.5 U
50-32-8	Benzo(a)pyrene	6.5	< 6.5 U
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	3.3	< 3.3 UJ
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	9.8
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	43.6%	d5-Phenol	39.2%
2-Fluorophenol	42.9%	d4-2-Chlorophenol	42.4%
d4-1,2-Dichlorobenzene	40.0%	d5-Nitrobenzene	37.6%
2,4,6-Tribromophenol	49.6%	d14-p-Terphenyl	53.2%

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

Sample ID: LDW-SS29-010
SAMPLE

Lab Sample ID: HV58K
 LIMS ID: 05-5116
 Matrix: Sediment
 Data Release Authorized:
 Reported: 04/05/05

QC Report No: HV58-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/14/05

Date Extracted: 03/23/05
 Date Analyzed: 04/01/05 15:58
 Instrument/Analyst: NT6/LJR
 GPC Cleanup: YES

Sample Amount: 50.8 g-dry-wt
 Final Extract Volume: 1.0 mL
 Dilution Factor: 1.00
 Percent Moisture: 52.9%
 pH: 6.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	46 B
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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-SS29-010
 SAMPLE

Lab Sample ID: HV58K
 LIMS ID: 05-5116
 Matrix: Sediment
 Date Analyzed: 04/01/05 15:58

QC Report No: HV58-Windward Environmental
 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	86
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	32
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	240
129-00-0	Pyrene	20	170
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	99
117-81-7	bis (2-Ethylhexyl) phthalate	20	110
218-01-9	Chrysene	20	200
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	200
50-32-8	Benzo (a) pyrene	20	120
193-39-5	Indeno (1,2,3-cd) pyrene	20	49
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 µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	65.6%
d14-p-Terphenyl	65.2%	d4-1,2-Dichlorobenzene	54.8%
d5-Phenol	74.9%	2-Fluorophenol	63.5%
2,4,6-Tribromophenol	65.9%	d4-2-Chlorophenol	65.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS29-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV58K

QC Report No: HV58-Windward Environmental

LIMS ID: 05-5116

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 03/14/05

Reported: 05/06/05

Date Received: 03/14/05

Date Extracted: 03/22/05

Sample Amount: 7.55 g-dry-wt

Date Analyzed: 03/29/05 13:32

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 52.9 %

pH: 6.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	36
205-99-2	Benzo (b) fluoranthene	6.6	42
50-32-8	Benzo (a) pyrene	6.6	35
193-39-5	Indeno (1, 2, 3-cd) pyrene	6.6	22
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	7.3
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	77.2%	d5-Phenol	50.4%
2-Fluorophenol	69.3%	d4-2-Chlorophenol	68.3%
d4-1,2-Dichlorobenzene	65.2%	d5-Nitrobenzene	54.4%
2,4,6-Tribromophenol	60.3%	d14-p-Terphenyl	92.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS30-010

SAMPLE

Lab Sample ID: HV00D

LIMS ID: 05-4647

Matrix: Sediment

Data Release Authorized: *MB*

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 15:20

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: 61.0%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	64
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	64
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	Acenaphthene	20	20
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-SS30-010
SAMPLE

Lab Sample ID: HV00D
LIMS ID: 05-4647
Matrix: Sediment
Date Analyzed: 03/23/05 15:20

QC Report No: HV00-Windward Environmental
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	46
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	250
86-74-8	Carbazole	20	61
120-12-7	Anthracene	20	310
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	940
129-00-0	Pyrene	20	490
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	550
117-81-7	bis (2-Ethylhexyl) phthalate	20	170 B
218-01-9	Chrysene	20	990
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	790
207-08-9	Benzo (k) fluoranthene	20	370
50-32-8	Benzo (a) pyrene	20	440
193-39-5	Indeno (1,2,3-cd) pyrene	20	150
53-70-3	Dibenz (a,h) anthracene	20	56
191-24-2	Benzo (g,h,i) perylene	20	100
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	80.0%
d14-p-Terphenyl	75.2%	d4-1,2-Dichlorobenzene	64.8%
d5-Phenol	78.4%	2-Fluorophenol	75.7%
2,4,6-Tribromophenol	96.3%	d4-2-Chlorophenol	76.3%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS30-010
SAMPLE

Lab Sample ID: HV00D
LIMS ID: 05-4647
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/25/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/23/05 17:02
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: 61.0 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	240
205-99-2	Benzo (b) fluoranthene	6.6	170
50-32-8	Benzo (a) pyrene	6.6	220
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	6.6	< 6.6 U
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	64 J
131-11-3	Dimethylphthalate	6.6	6.6 J
84-66-2	Diethylphthalate	6.6	12
85-68-7	Butylbenzylphthalate	6.6	16
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	69.9%
2-Fluorophenol	66.9%	d4-2-Chlorophenol	69.9%
d4-1,2-Dichlorobenzene	58.0%	d5-Nitrobenzene	65.6%
2,4,6-Tribromophenol	87.5%	d14-p-Terphenyl	74.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS34-010

SAMPLE

Lab Sample ID: HV58I

LIMS ID: 05-5114

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/23/05

Date Analyzed: 04/01/05 14:57

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

Sample Amount: 51.0 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 19.5%

pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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-SS34-010

SAMPLE

Lab Sample ID: HV58I

LIMS ID: 05-5114

Matrix: Sediment

Date Analyzed: 04/01/05 14:57

QC Report No: HV58-Windward Environmental

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	34
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	20
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	180
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	59
117-81-7	bis (2-Ethylhexyl) phthalate	20	34
218-01-9	Chrysene	20	96
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	59
207-08-9	Benzo (k) fluoranthene	20	76
50-32-8	Benzo (a) pyrene	20	46
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)


Semivolatile Surrogate Recovery

d5-Nitrobenzene	75.6%	2-Fluorobiphenyl	68.8%
d14-p-Terphenyl	62.4%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	75.2%	2-Fluorophenol	65.6%
2,4,6-Tribromophenol	66.4%	d4-2-Chlorophenol	64.5%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS34-010
SAMPLE

Lab Sample ID: HV58I
LIMS ID: 05-5114
Matrix: Sediment
Data Release Authorized: 
Reported: 05/06/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/22/05
Date Analyzed: 03/29/05 01:07
Instrument/Analyst: NT2NT2/Van
GPC Cleanup: No

Sample Amount: 7.69 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 19.5 %
pH: 6.7

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	27
205-99-2	Benzo (b) fluoranthene	6.5	36
50-32-8	Benzo (a) pyrene	6.5	22
193-39-5	Indeno (1, 2, 3-cd) pyrene	6.5	14
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	3.3	< 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	< 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	64.8%	d5-Phenol	47.2%
2-Fluorophenol	50.7%	d4-2-Chlorophenol	53.3%
d4-1,2-Dichlorobenzene	50.8%	d5-Nitrobenzene	56.0%
2,4,6-Tribromophenol	67.5%	d14-p-Terphenyl	78.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS35-010

SAMPLE

Lab Sample ID: HW06G

LIMS ID: 05-5381

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/08/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 23:57

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 34.1%

pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
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	4,200
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	2,700
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	130
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	4,100
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	2,900
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-SS35-010

SAMPLE

Lab Sample ID: HW06G

QC Report No: HW06-Windward Environmental

LIMS ID: 05-5381

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 04/01/05 23:57

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	4,000
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	12,000 E
86-74-8	Carbazole	59	1,200
120-12-7	Anthracene	59	2,800
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	13,000 E
129-00-0	Pyrene	59	12,000 E
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	59	2,800
117-81-7	bis(2-Ethylhexyl)phthalate	59	340
218-01-9	Chrysene	59	3,100
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo(b)fluoranthene	59	2,800
207-08-9	Benzo(k)fluoranthene	59	2,300
50-32-8	Benzo(a)pyrene	59	1,700
193-39-5	Indeno(1,2,3-cd)pyrene	59	540
53-70-3	Dibenz(a,h)anthracene	59	190
191-24-2	Benzo(g,h,i)perylene	59	410
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	54.2%	2-Fluorobiphenyl	60.7%
d14-p-Terphenyl	80.9%	d4-1,2-Dichlorobenzene	51.8%
d5-Phenol	51.1%	2-Fluorophenol	47.0%
2,4,6-Tribromophenol	59.8%	d4-2-Chlorophenol	54.7%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS35-010

DILUTION

Lab Sample ID: HW06G

LIMS ID: 05-5381

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/08/05

Date Extracted: 03/22/05

Date Analyzed: 04/04/05 14:57

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.3 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 15.0

Percent Moisture: 34.1%

pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	300	< 300 U
111-44-4	Bis-(2-Chloroethyl) Ether	300	< 300 U
95-57-8	2-Chlorophenol	300	< 300 U
541-73-1	1,3-Dichlorobenzene	300	< 300 U
106-46-7	1,4-Dichlorobenzene	300	< 300 U
100-51-6	Benzyl Alcohol	300	< 300 U
95-50-1	1,2-Dichlorobenzene	300	< 300 U
95-48-7	2-Methylphenol	300	< 300 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	300	< 300 U
106-44-5	4-Methylphenol	300	< 300 U
621-64-7	N-Nitroso-Di-N-Propylamine	1,500	< 1,500 U
67-72-1	Hexachloroethane	300	< 300 U
98-95-3	Nitrobenzene	300	< 300 U
78-59-1	Isophorone	300	< 300 U
88-75-5	2-Nitrophenol	1,500	< 1,500 U
105-67-9	2,4-Dimethylphenol	300	< 300 U
65-85-0	Benzoic Acid	3,000	< 3,000 U
111-91-1	bis(2-Chloroethoxy) Methane	300	< 300 U
120-83-2	2,4-Dichlorophenol	1,500	< 1,500 U
120-82-1	1,2,4-Trichlorobenzene	300	< 300 U
91-20-3	Naphthalene	300	5,300
106-47-8	4-Chloroaniline	1,500	< 1,500 U
87-68-3	Hexachlorobutadiene	300	< 300 U
59-50-7	4-Chloro-3-methylphenol	1,500	< 1,500 U
91-57-6	2-Methylnaphthalene	300	3,300
77-47-4	Hexachlorocyclopentadiene	1,500	< 1,500 U
88-06-2	2,4,6-Trichlorophenol	1,500	< 1,500 U
95-95-4	2,4,5-Trichlorophenol	1,500	< 1,500 U
91-58-7	2-Chloronaphthalene	300	< 300 U
88-74-4	2-Nitroaniline	1,500	< 1,500 U
131-11-3	Dimethylphthalate	300	< 300 U
208-96-8	Acenaphthylene	300	< 300 U
99-09-2	3-Nitroaniline	1,500	< 1,500 U
83-32-9	Acenaphthene	300	5,200
51-28-5	2,4-Dinitrophenol	3,000	< 3,000 U
100-02-7	4-Nitrophenol	1,500	< 1,500 U
132-64-9	Dibenzofuran	300	3,500
606-20-2	2,6-Dinitrotoluene	1,500	< 1,500 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS35-010

DILUTION

Lab Sample ID: HW06G

LIMS ID: 05-5381

Matrix: Sediment

Date Analyzed: 04/04/05 14:57

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	1,500	< 1,500 U
84-66-2	Diethylphthalate	300	< 300 U
7005-72-3	4-Chlorophenyl-phenylether	300	< 300 U
86-73-7	Fluorene	300	4,900
100-01-6	4-Nitroaniline	1,500	< 1,500 U
534-52-1	4,6-Dinitro-2-Methylphenol	3,000	< 3,000 U
86-30-6	N-Nitrosodiphenylamine	300	< 300 U
101-55-3	4-Bromophenyl-phenylether	300	< 300 U
118-74-1	Hexachlorobenzene	300	< 300 U
87-86-5	Pentachlorophenol	1,500	< 1,500 U
85-01-8	Phenanthrene	300	15,000
86-74-8	Carbazole	300	1,300
120-12-7	Anthracene	300	3,500
84-74-2	Di-n-Butylphthalate	300	< 300 U
206-44-0	Fluoranthene	300	17,000
129-00-0	Pyrene	300	10,000
85-68-7	Butylbenzylphthalate	300	< 300 U
91-94-1	3,3'-Dichlorobenzidine	1,500	< 1,500 U
56-55-3	Benzo (a) anthracene	300	3,200
117-81-7	bis (2-Ethylhexyl) phthalate	300	370
218-01-9	Chrysene	300	3,700
117-84-0	Di-n-Octyl phthalate	300	< 300 U
205-99-2	Benzo (b) fluoranthene	300	2,700
207-08-9	Benzo (k) fluoranthene	300	2,400
50-32-8	Benzo (a) pyrene	300	2,000
193-39-5	Indeno (1,2,3-cd) pyrene	300	640
53-70-3	Dibenz (a, h) anthracene	300	< 300 U
191-24-2	Benzo (g, h, i) perylene	300	470
62-53-3	Aniline	300	< 300 U
62-75-9	N-Nitrosodimethylamine	1,500	< 1,500 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	61.2%	2-Fluorobiphenyl	69.6%
d14-p-Terphenyl	61.2%	d4-1,2-Dichlorobenzene	55.8%
d5-Phenol	58.4%	2-Fluorophenol	52.4%
2,4,6-Tribromophenol	58.0%	d4-2-Chlorophenol	56.8%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS35-010
SAMPLE

Lab Sample ID: HW06G
LIMS ID: 05-5381
Matrix: Sediment
Data Release Authorized:
Reported: 03/31/05

QC Report No: HW06-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/08/05

Date Extracted: 03/22/05
Date Analyzed: 03/30/05 19:26
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: 34.1 %
pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	2,200 E
205-99-2	Benzo (b) fluoranthene	6.6	1,700 E
50-32-8	Benzo (a) pyrene	6.6	1,300 E
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	810 E
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	82
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	63.6%	d5-Phenol	63.2%
2-Fluorophenol	57.1%	d4-2-Chlorophenol	62.1%
d4-1,2-Dichlorobenzene	54.0%	d5-Nitrobenzene	54.8%
2,4,6-Tribromophenol	70.4%	d14-p-Terphenyl	66.8%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS35-010
DILUTION

Lab Sample ID: HW06G

LIMS ID: 05-5381

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/08/05

Date Extracted: 03/22/05

Date Analyzed: 03/30/05 18:23

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.59 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 5.00

Percent Moisture: 34.1 %

pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	33	1,300
205-99-2	Benzo (b) fluoranthene	33	1,000
50-32-8	Benzo (a) pyrene	33	1,200
193-39-5	Indeno (1,2,3-cd) pyrene	33	660
106-46-7	1,4-Dichlorobenzene	33	< 33 U
120-82-1	1,2,4-Trichlorobenzene	33	< 33 U
118-74-1	Hexachlorobenzene	33	< 33 U
87-68-3	Hexachlorobutadiene	33	< 33 U
65-85-0	Benzoic Acid	330	< 330 U
131-11-3	Dimethylphthalate	33	< 33 U
84-66-2	Diethylphthalate	33	< 33 U
85-68-7	Butylbenzylphthalate	33	< 33 U
95-48-7	2-Methylphenol	33	< 33 U
105-67-9	2,4-Dimethylphenol	33	< 33 U
86-30-6	N-Nitrosodiphenylamine	33	< 33 U
100-51-6	Benzyl Alcohol	160	< 160 U
87-86-5	Pentachlorophenol	160	< 160 U
95-50-1	1,2-Dichlorobenzene	33	< 33 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	52.0%	d5-Phenol	54.7%
2-Fluorophenol	45.3%	d4-2-Chlorophenol	53.3%
d4-1,2-Dichlorobenzene	38.0%	d5-Nitrobenzene	56.0%
2,4,6-Tribromophenol	48.0%	d14-p-Terphenyl	58.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS39-010

SAMPLE

Lab Sample ID: HV38A

LIMS ID: 05-4922

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/29/05

QC Report No: HV38-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/11/05

Date Received: 03/11/05

Date Extracted: 03/17/05

Date Analyzed: 03/22/05 23:48

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 18.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 38.2%

pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	80	< 80 U
111-44-4	Bis-(2-Chloroethyl) Ether	80	< 80 U
95-57-8	2-Chlorophenol	80	< 80 U
541-73-1	1,3-Dichlorobenzene	80	< 80 U
106-46-7	1,4-Dichlorobenzene	80	< 80 U
100-51-6	Benzyl Alcohol	80	< 80 U
95-50-1	1,2-Dichlorobenzene	80	< 80 U
95-48-7	2-Methylphenol	80	< 80 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	80	< 80 U
106-44-5	4-Methylphenol	80	< 80 U
621-64-7	N-Nitroso-Di-N-Propylamine	400	< 400 U
67-72-1	Hexachloroethane	80	< 80 U
98-95-3	Nitrobenzene	80	< 80 U
78-59-1	Isophorone	80	< 80 U
88-75-5	2-Nitrophenol	400	< 400 U
105-67-9	2,4-Dimethylphenol	80	< 80 U
65-85-0	Benzoic Acid	800	< 800 U
111-91-1	bis(2-Chloroethoxy) Methane	80	< 80 U
120-83-2	2,4-Dichlorophenol	400	< 400 U
120-82-1	1,2,4-Trichlorobenzene	80	< 80 U
91-20-3	Naphthalene	80	100
106-47-8	4-Chloroaniline	400	< 400 U
87-68-3	Hexachlorobutadiene	80	< 80 U
59-50-7	4-Chloro-3-methylphenol	400	< 400 U
91-57-6	2-Methylnaphthalene	80	91
77-47-4	Hexachlorocyclopentadiene	400	< 400 U
88-06-2	2,4,6-Trichlorophenol	400	< 400 U
95-95-4	2,4,5-Trichlorophenol	400	< 400 U
91-58-7	2-Chloronaphthalene	80	< 80 U
88-74-4	2-Nitroaniline	400	< 400 U
131-11-3	Dimethylphthalate	80	< 80 U
208-96-8	Acenaphthylene	80	< 80 U
99-09-2	3-Nitroaniline	400	< 400 U
83-32-9	Acenaphthene	80	260
51-28-5	2,4-Dinitrophenol	800	< 800 U
100-02-7	4-Nitrophenol	400	< 400 U
132-64-9	Dibenzofuran	80	< 80 U
606-20-2	2,6-Dinitrotoluene	400	< 400 U

Lab Sample ID: HV38A
 LIMS ID: 05-4922
 Matrix: Sediment
 Date Analyzed: 03/22/05 23:48

QC Report No: HV38-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	400	< 400 U
84-66-2	Diethylphthalate	80	< 80 U
7005-72-3	4-Chlorophenyl-phenylether	80	< 80 U
86-73-7	Fluorene	80	120
100-01-6	4-Nitroaniline	400	< 400 U
534-52-1	4,6-Dinitro-2-Methylphenol	800	< 800 U
86-30-6	N-Nitrosodiphenylamine	80	< 80 U
101-55-3	4-Bromophenyl-phenylether	80	< 80 U
118-74-1	Hexachlorobenzene	80	< 80 U
87-86-5	Pentachlorophenol	400	< 400 U
85-01-8	Phenanthrene	80	930
86-74-8	Carbazole	80	88
120-12-7	Anthracene	80	250
84-74-2	Di-n-Butylphthalate	80	120 B
206-44-0	Fluoranthene	80	1,200
129-00-0	Pyrene	80	1,200
85-68-7	Butylbenzylphthalate	80	< 80 U
91-94-1	3,3'-Dichlorobenzidine	400	< 400 U
56-55-3	Benzo (a) anthracene	80	390
117-81-7	bis (2-Ethylhexyl) phthalate	80	110 B
218-01-9	Chrysene	80	520
117-84-0	Di-n-Octyl phthalate	80	< 80 U
205-99-2	Benzo (b) fluoranthene	80	450
207-08-9	Benzo (k) fluoranthene	80	620
50-32-8	Benzo (a) pyrene	80	470
193-39-5	Indeno (1,2,3-cd) pyrene	80	170
53-70-3	Dibenz (a,h) anthracene	80	< 80 U
191-24-2	Benzo (g,h,i) perylene	80	160
62-53-3	Aniline	80	< 80 U
62-75-9	N-Nitrosodimethylamine	400	< 400 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	79.3%	2-Fluorobiphenyl	83.8%
d14-p-Terphenyl	84.1%	d4-1,2-Dichlorobenzene	67.6%
d5-Phenol	77.8%	2-Fluorophenol	70.1%
2,4,6-Tribromophenol	97.6%	d4-2-Chlorophenol	77.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS39-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV38A

QC Report No: HV38-Windward Environmental

LIMS ID: 05-4922

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/11/05

Reported: 08/31/05

Date Received: 03/11/05

Date Extracted: 03/16/05

Sample Amount: 1.87 g-dry-wt

Date Analyzed: 03/24/05 18:09

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/VTS

Dilution Factor: 2.00

GPC Cleanup: No

Percent Moisture: 38.2 %

pH: 6.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	54	260
205-99-2	Benzo (b) fluoranthene	54	370
50-32-8	Benzo (a) pyrene	54	410
193-39-5	Indeno (1,2,3-cd) pyrene	54	260
106-46-7	1,4-Dichlorobenzene	54	< 54 U
120-82-1	1,2,4-Trichlorobenzene	27	< 27 UJ
118-74-1	Hexachlorobenzene	54	< 54 U
87-68-3	Hexachlorobutadiene	54	< 54 U
65-85-0	Benzoic Acid	540	< 540 U
131-11-3	Dimethylphthalate	54	< 54 U
84-66-2	Diethylphthalate	54	120
85-68-7	Butylbenzylphthalate	54	< 54 U
95-48-7	2-Methylphenol	54	< 54 U
105-67-9	2,4-Dimethylphenol	31	< 31 UJ
86-30-6	N-Nitrosodiphenylamine	54	< 54 U
100-51-6	Benzyl Alcohol	130	< 130 UJ
87-86-5	Pentachlorophenol	270	< 270 U
95-50-1	1,2-Dichlorobenzene	54	< 54 U
621-64-7	N-Nitroso-Di-N-Propylamine	270	< 270 U
62-75-9	N-Nitrosodimethylamine	270	< 270 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	68.8%	d5-Phenol	61.9%
2-Fluorophenol	65.6%	d4-2-Chlorophenol	64.0%
d4-1,2-Dichlorobenzene	60.0%	d5-Nitrobenzene	61.6%
2,4,6-Tribromophenol	77.3%	d14-p-Terphenyl	70.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS41-010

SAMPLE

Lab Sample ID: HV00C

LIMS ID: 05-4646

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 14:50

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: 42.3%

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-SS41-010

SAMPLE

Lab Sample ID: HV00C

LIMS ID: 05-4646

Matrix: Sediment

Date Analyzed: 03/23/05 14:50

QC Report No: HV00-Windward Environmental

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	130
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	49
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	330
129-00-0	Pyrene	19	300
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	140
117-81-7	bis (2-Ethylhexyl) phthalate	19	140 B
218-01-9	Chrysene	19	220
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	220
207-08-9	Benzo (k) fluoranthene	19	120
50-32-8	Benzo (a) pyrene	19	140
193-39-5	Indeno (1,2,3-cd) pyrene	19	66
53-70-3	Dibenz (a,h) anthracene	19	< 19 U
191-24-2	Benzo (g,h,i) perylene	19	51
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	77.2%	2-Fluorobiphenyl	82.0%
d14-p-Terphenyl	78.4%	d4-1,2-Dichlorobenzene	65.2%
d5-Phenol	81.6%	2-Fluorophenol	77.1%
2,4,6-Tribromophenol	106%	d4-2-Chlorophenol	79.5%



ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS41-010
SAMPLE

Lab Sample ID: HV00C
LIMS ID: 05-4646
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 03/25/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/23/05 16:29
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: 42.3 %
pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	310
205-99-2	Benzo (b) fluoranthene	6.6	280
50-32-8	Benzo (a) pyrene	6.6	390
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	220
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	8.0
84-66-2	Diethylphthalate	6.6	7.3
85-68-7	Butylbenzylphthalate	6.6	14
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	71.6%	d5-Phenol	69.9%
2-Fluorophenol	67.2%	d4-2-Chlorophenol	70.1%
d4-1,2-Dichlorobenzene	60.0%	d5-Nitrobenzene	62.8%
2,4,6-Tribromophenol	83.5%	d14-p-Terphenyl	76.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS45-010

SAMPLE

Lab Sample ID: HV42A

LIMS ID: 05-4925

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Date Analyzed: 03/24/05 20:21

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.4 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 52.6%

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-SS45-010

SAMPLE

Lab Sample ID: HV42A

LIMS ID: 05-4925

Matrix: Sediment

Date Analyzed: 03/24/05 20:21

QC Report No: HV42-Windward Environmental

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	180
86-74-8	Carbazole	59	< 59 U
120-12-7	Anthracene	59	88
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	500
129-00-0	Pyrene	59	440
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	230
117-81-7	bis (2-Ethylhexyl) phthalate	59	300
218-01-9	Chrysene	59	390
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	320
207-08-9	Benzo (k) fluoranthene	59	270
50-32-8	Benzo (a) pyrene	59	240
193-39-5	Indeno (1,2,3-cd) pyrene	59	120
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	100
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	300	< 300 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	59.6%	2-Fluorobiphenyl	63.6%
d14-p-Terphenyl	70.2%	d4-1,2-Dichlorobenzene	54.1%
d5-Phenol	59.4%	2-Fluorophenol	55.4%
2,4,6-Tribromophenol	74.5%	d4-2-Chlorophenol	61.9%

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ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS45-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV42A

QC Report No: HV42-Windward Environmental

LIMS ID: 05-4925

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *AS*

Date Sampled: 03/10/05

Reported: 03/29/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Sample Amount: 7.60 g-dry-wt

Date Analyzed: 03/24/05 11:48

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 52.6 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	45
205-99-2	Benzo (b) fluoranthene	6.6	55
50-32-8	Benzo (a) pyrene	6.6	42
193-39-5	Indeno (1, 2, 3-cd) pyrene	6.6	30
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	63.6%	d5-Phenol	60.0%
2-Fluorophenol	51.5%	d4-2-Chlorophenol	59.5%
d4-1,2-Dichlorobenzene	60.0%	d5-Nitrobenzene	64.8%
2,4,6-Tribromophenol	72.5%	d14-p-Terphenyl	71.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS46-010

SAMPLE

Lab Sample ID: HV42B

LIMS ID: 05-4926

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Date Analyzed: 03/24/05 20:54

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 38.6%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	58	62
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	90
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	110
51-28-5	2,4-Dinitrophenol	580	< 580 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	58	71
606-20-2	2,6-Dinitrotoluene	290	< 290 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS46-010

SAMPLE

Lab Sample ID: HV42B

LIMS ID: 05-4926

Matrix: Sediment

Date Analyzed: 03/24/05 20:54

QC Report No: HV42-Windward Environmental

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	120
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	910
86-74-8	Carbazole	58	180
120-12-7	Anthracene	58	310
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	1,900
129-00-0	Pyrene	58	2,400
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo(a)anthracene	58	920
117-81-7	bis(2-Ethylhexyl)phthalate	58	1,600
218-01-9	Chrysene	58	1,400
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo(b)fluoranthene	58	1,800
207-08-9	Benzo(k)fluoranthene	58	1,200
50-32-8	Benzo(a)pyrene	58	1,100
193-39-5	Indeno(1,2,3-cd)pyrene	58	430
53-70-3	Dibenz(a,h)anthracene	58	58 J
191-24-2	Benzo(g,h,i)perylene	58	320
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	56.4%	2-Fluorobiphenyl	60.0%
d14-p-Terphenyl	64.3%	d4-1,2-Dichlorobenzene	50.9%
d5-Phenol	57.6%	2-Fluorophenol	56.3%
2,4,6-Tribromophenol	67.4%	d4-2-Chlorophenol	58.6%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS46-010
SAMPLE

Lab Sample ID: HV42B
LIMS ID: 05-4926
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 05/06/05

QC Report No: HV42-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Date Extracted: 03/21/05
Date Analyzed: 03/24/05 12:20
Instrument/Analyst: NT2NT2/Van
GPC Cleanup: No

Sample Amount: 3.71 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 38.6 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	14	920
205-99-2	Benzo (b) fluoranthene	14	1,100
50-32-8	Benzo (a) pyrene	14	1,000
193-39-5	Indeno (1,2,3-cd) pyrene	14	680
106-46-7	1,4-Dichlorobenzene	14	< 14 U
120-82-1	1,2,4-Trichlorobenzene	14	< 14 U
118-74-1	Hexachlorobenzene	6.8	< 6.8 UJ
87-68-3	Hexachlorobutadiene	14	< 14 U
65-85-0	Benzoic Acid	140	220
131-11-3	Dimethylphthalate	14	< 14 U
84-66-2	Diethylphthalate	14	16
85-68-7	Butylbenzylphthalate	14	< 14 U
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	34	< 34 UJ
87-86-5	Pentachlorophenol	67	76
95-50-1	1,2-Dichlorobenzene	14	< 14 U
621-64-7	N-Nitroso-Di-N-Propylamine	67	< 67 U
62-75-9	N-Nitrosodimethylamine	67	< 67 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	61.2%	d5-Phenol	59.5%
2-Fluorophenol	48.0%	d4-2-Chlorophenol	58.1%
d4-1,2-Dichlorobenzene	52.0%	d5-Nitrobenzene	56.4%
2,4,6-Tribromophenol	73.6%	d14-p-Terphenyl	64.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS47-010

SAMPLE

Lab Sample ID: HV42D

LIMS ID: 05-4928

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Date Analyzed: 03/24/05 22:00

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: 22.6%

pH: 7.2

CAS Number	Analyte	RI	Result
108-95-2	Phenol	19	210
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	66	< 66 Y
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	21
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	70
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	33
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	28
99-09-2	3-Nitroaniline	96	< 96 U
83-32-9	Acenaphthene	19	120
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	96	< 96 U
132-64-9	Dibenzofuran	19	77
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-SS47-010

SAMPLE

Lab Sample ID: HV42D

LIMS ID: 05-4928

Matrix: Sediment

Date Analyzed: 03/24/05 22:00

QC Report No: HV42-Windward Environmental

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	130
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	910
86-74-8	Carbazole	19	86
120-12-7	Anthracene	19	190
84-74-2	Di-n-Butylphthalate	19	43
206-44-0	Fluoranthene	19	1,200
129-00-0	Pyrene	19	950
85-68-7	Butylbenzylphthalate	19	22
91-94-1	3,3'-Dichlorobenzidine	96	< 96 U
56-55-3	Benzo (a) anthracene	19	480
117-81-7	bis (2-Ethylhexyl)phthalate	19	200
218-01-9	Chrysene	19	560
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	660
207-08-9	Benzo (k) Fluoranthene	19	540
50-32-8	Benzo (a) pyrene	19	490
193-39-5	Indeno (1,2,3-cd)pyrene	19	190
53-70-3	Dibenz (a, h) anthracene	19	28
191-24-2	Benzo (g, h, i) perylene	19	140
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	52.4%	2-Fluorobiphenyl	54.4%
d14-p-Terphenyl	62.4%	d4-1,2-Dichlorobenzene	48.0%
d5-Phenol	53.9%	2-Fluorophenol	50.1%
2,4,6-Tribromophenol	66.9%	d4-2-Chlorophenol	53.9%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS47-010

DILUTION

Lab Sample ID: HV42D

LIMS ID: 05-4928

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Date Analyzed: 03/25/05 18:30

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 26.0 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 22.6%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	58	220
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	71
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	120
51-28-5	2,4-Dinitrophenol	580	< 580 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	58	78
606-20-2	2,6-Dinitrotoluene	290	< 290 U

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

Sample ID: LDW-SS47-010
DILUTION

Lab Sample ID: HV42D
LIMS ID: 05-4928
Matrix: Sediment
Date Analyzed: 03/25/05 18:30

QC Report No: HV42-Windward Environmental
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	140
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	1,000
86-74-8	Carbazole	58	92
120-12-7	Anthracene	58	200
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	1,200
129-00-0	Pyrene	58	980
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	58	490
117-81-7	bis (2-Ethylhexyl) phthalate	58	170
218-01-9	Chrysene	58	590
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	460
207-08-9	Benzo (k) fluoranthene	58	460
50-32-8	Benzo (a) pyrene	58	480
193-39-5	Indeno (1,2,3-cd) pyrene	58	300
53-70-3	Dibenz (a,h) anthracene	58	< 58 U
191-24-2	Benzo (g,h,i) perylene	58	230
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	53.8%	2-Fluorobiphenyl	58.2%
d14-p-Terphenyl	64.6%	d4-1,2-Dichlorobenzene	49.1%
d5-Phenol	59.7%	2-Fluorophenol	53.2%
2,4,6-Tribromophenol	63.5%	d4-2-Chlorophenol	56.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS47-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV42D

QC Report No: HV42-Windward Environmental

LIMS ID: 05-4928

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/10/05

Reported: 05/06/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Sample Amount: 4.64 g-dry-wt

Date Analyzed: 03/24/05 16:00

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 22.6 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	11	290
205-99-2	Benzo (b) fluoranthene	11	380
50-32-8	Benzo (a) pyrene	11	300
193-39-5	Indeno (1,2,3-cd) pyrene	11	210
106-46-7	1,4-Dichlorobenzene	11	< 11 U
120-82-1	1,2,4-Trichlorobenzene	11	< 11 U
118-74-1	Hexachlorobenzene	5.4	< 5.4 UJ
87-68-3	Hexachlorobutadiene	11	< 11 U
65-85-0	Benzoic Acid	110	220
131-11-3	Dimethylphthalate	11	12
84-66-2	Diethylphthalate	11	12
85-68-7	Butylbenzylphthalate	11	17
95-48-7	2-Methylphenol	11	< 11 U
105-67-9	2,4-Dimethylphenol	11	< 11 U
86-30-6	N-Nitrosodiphenylamine	11	15
100-51-6	Benzyl Alcohol	54	< 54 U
87-86-5	Pentachlorophenol	54	< 54 U
95-50-1	1,2-Dichlorobenzene	11	< 11 U
621-64-7	N-Nitroso-Di-N-Propylamine	54	< 54 U
62-75-9	N-Nitrosodimethylamine	54	< 54 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	66.0%	d5-Phenol	59.2%
2-Fluorophenol	57.3%	d4-2-Chlorophenol	59.5%
d4-1,2-Dichlorobenzene	54.8%	d5-Nitrobenzene	58.8%
2,4,6-Tribromophenol	73.3%	d14-p-Terphenyl	66.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS53-010

SAMPLE

Lab Sample ID: HV58H

LIMS ID: 05-5113

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/23/05

Date Analyzed: 04/01/05 14:27

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

Sample Amount: 50.6 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 55.1%

pH: 6.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	59 B
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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-SS53-010
 SAMPLE

Lab Sample ID: HV58H
 LIMS ID: 05-5113
 Matrix: Sediment
 Date Analyzed: 04/01/05 14:27

QC Report No: HV58-Windward Environmental
 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	29
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	180
86-74-8	Carbazole	20	26
120-12-7	Anthracene	20	91
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	750
129-00-0	Pyrene	20	420
85-68-7	Butylbenzylphthalate	20	25
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	290
117-81-7	bis (2-Ethylhexyl) phthalate	20	200
218-01-9	Chrysene	20	460
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	380
207-08-9	Benzo (k) fluoranthene	20	320
50-32-8	Benzo (a) pyrene	20	250
193-39-5	Indeno (1,2,3-cd) pyrene	20	79
53-70-3	Dibenz (a,h) anthracene	20	34
191-24-2	Benzo (g,h,i) perylene	20	59
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.2%	2-Fluorobiphenyl	70.4%
d14-p-Terphenyl	67.6%	d4-1,2-Dichlorobenzene	58.0%
d5-Phenol	80.0%	2-Fluorophenol	68.5%
2,4,6-Tribromophenol	73.3%	d4-2-Chlorophenol	67.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS53-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV58H

QC Report No: HV58-Windward Environmental

LIMS ID: 05-5113

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/14/05

Reported: 03/29/05

Date Received: 03/14/05

Date Extracted: 03/22/05

Sample Amount: 2.25 g-dry-wt

Date Analyzed: 03/29/05 00:35

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 55.1 %

pH: 6.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	22	1,100
205-99-2	Benzo (b) fluoranthene	22	780
50-32-8	Benzo (a) pyrene	22	410
193-39-5	Indeno (1,2,3-cd) pyrene	22	200
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	< 220 U
131-11-3	Dimethylphthalate	22	< 22 U
84-66-2	Diethylphthalate	22	< 22 U
85-68-7	Butylbenzylphthalate	22	< 22 U
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	70.8%	d5-Phenol	53.6%
2-Fluorophenol	55.2%	d4-2-Chlorophenol	57.6%
d4-1,2-Dichlorobenzene	55.6%	d5-Nitrobenzene	56.0%
2,4,6-Tribromophenol	82.7%	d14-p-Terphenyl	80.8%

ORGANICS ANALYSIS DATA SHEET
Pesticides/PCB by GC/ECD Method 8081A
Page 1 of 1

Sample ID: LDW-SS53-010
SAMPLE

Lab Sample ID: HZ55D
LIMS ID: 05-7274
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 05/03/05

QC Report No: HZ55-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Date Extracted: 04/28/05
Date Analyzed: 04/29/05 20:33
Instrument/Analyst: ECD3/AAR
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: 6.0
Percent Moisture: 55.1%

CAS Number	Analyte	RL	Result
118-74-1	Hexachlorobenzene	0.99	< 0.99 U
87-68-3	Hexachlorobutadiene	0.99	< 0.99 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	83.5%
Tetrachlorometaxylene	66.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS59-010

SAMPLE

Lab Sample ID: HV58F

LIMS ID: 05-5111

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/23/05

Date Analyzed: 04/01/05 13:26

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

Sample Amount: 50.4 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 44.1%

pH: 6.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	49 B
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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
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Sample ID: LDW-SS59-010
 SAMPLE

Lab Sample ID: HV58F
 LIMS ID: 05-5111
 Matrix: Sediment
 Date Analyzed: 04/01/05 13:26

QC Report No: HV58-Windward Environmental
 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	170
86-74-8	Carbazole	20	40
120-12-7	Anthracene	20	75
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	520
129-00-0	Pyrene	20	360
85-68-7	Butylbenzylphthalate	20	80
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	200
117-81-7	bis (2-Ethylhexyl) phthalate	20	530
218-01-9	Chrysene	20	400
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	410
207-08-9	Benzo (k) fluoranthene	20	450
50-32-8	Benzo (a) pyrene	20	280
193-39-5	Indeno (1,2,3-cd) pyrene	20	140
53-70-3	Dibenz (a,h) anthracene	20	45
191-24-2	Benzo (g,h,i) perylene	20	110
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	75.6%	2-Fluorobiphenyl	70.8%
d14-p-Terphenyl	69.6%	d4-1,2-Dichlorobenzene	62.8%
d5-Phenol	82.7%	2-Fluorophenol	70.1%
2,4,6-Tribromophenol	73.9%	d4-2-Chlorophenol	74.4%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
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Sample ID: LDW-SS59-010
SAMPLE

Lab Sample ID: HV58F
LIMS ID: 05-5111
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 05/06/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/22/05
Date Analyzed: 03/28/05 23:31
Instrument/Analyst: NT2NT2/Van
GPC Cleanup: No

Sample Amount: 2.54 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 44.1 %
pH: 6.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	20	190
205-99-2	Benzo (b) fluoranthene	20	420
50-32-8	Benzo (a) pyrene	20	290
193-39-5	Indeno (1,2,3-cd) pyrene	20	310
106-46-7	1,4-Dichlorobenzene	20	< 20 U
120-82-1	1,2,4-Trichlorobenzene	9.8	< 9.8 UJ
118-74-1	Hexachlorobenzene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	41
95-48-7	2-Methylphenol	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
100-51-6	Benzyl Alcohol	98	< 98 U
87-86-5	Pentachlorophenol	98	< 98 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	73.2%	d5-Phenol	54.1%
2-Fluorophenol	61.6%	d4-2-Chlorophenol	66.4%
d4-1,2-Dichlorobenzene	65.2%	d5-Nitrobenzene	70.4%
2,4,6-Tribromophenol	87.2%	d14-p-Terphenyl	85.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS61-010

SAMPLE

Lab Sample ID: HV42G

LIMS ID: 05-4931

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Date Analyzed: 03/28/05 22:23

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.8 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 27.3%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	< 19 U
111-44-4	Bis-(2-Chloroethyl) Ether	19	< 19 U
95-57-8	2-Chlorophenol	19	< 19 U
541-73-1	1,3-Dichlorobenzene	19	< 19 U
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
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Sample ID: LDW-SS61-010
SAMPLE

Lab Sample ID: HV42G
LIMS ID: 05-4931
Matrix: Sediment
Date Analyzed: 03/28/05 22:23

QC Report No: HV42-Windward Environmental
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	28
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	68
129-00-0	Pyrene	19	130
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	40
117-81-7	bis (2-Ethylhexyl)phthalate	19	74
218-01-9	Chrysene	19	71
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	74
207-08-9	Benzo (k) fluoranthene	19	66
50-32-8	Benzo (a) pyrene	19	60
193-39-5	Indeno (1,2,3-cd)pyrene	19	37
53-70-3	Dibenz (a,h) anthracene	19	< 19 U
191-24-2	Benzo (g,h,i) perylene	19	37
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	56.0%	2-Fluorobiphenyl	58.8%
d14-p-Terphenyl	59.6%	d4-1,2-Dichlorobenzene	50.0%
d5-Phenol	60.0%	2-Fluorophenol	53.3%
2,4,6-Tribromophenol	65.6%	d4-2-Chlorophenol	58.1%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS61-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV42G

QC Report No: HV42-Windward Environmental

LIMS ID: 05-4931

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/10/05

Reported: 05/06/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Sample Amount: 7.67 g-dry-wt

Date Analyzed: 03/24/05 17:05

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 27.3 %

pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	42
205-99-2	Benzo (b) fluoranthene	6.5	46
50-32-8	Benzo (a) pyrene	6.5	42
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	29
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	3.3	< 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	12
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	31.6%	d5-Phenol	28.8%
2-Fluorophenol	28.5%	d4-2-Chlorophenol	28.5%
d4-1,2-Dichlorobenzene	22.4%	d5-Nitrobenzene	26.8%
2,4,6-Tribromophenol	35.2%	d14-p-Terphenyl	35.2%



ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
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Sample ID: LDW-SS61-010
REEXTRACT

Lab Sample ID: HV42G
LIMS ID: 05-4931
Matrix: Sediment
Data Release Authorized: *B*
Reported: 03/31/05

QC Report No: HV42-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Date Extracted: 03/30/05
Date Analyzed: 03/30/05 17:19
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.67 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 27.3 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	16
205-99-2	Benzo (b) fluoranthene	6.5	37
50-32-8	Benzo (a) pyrene	6.5	22
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	7.2 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	70.8%	d5-Phenol	59.5%
2-Fluorophenol	64.5%	d4-2-Chlorophenol	64.5%
d4-1,2-Dichlorobenzene	65.6%	d5-Nitrobenzene	71.2%
2,4,6-Tribromophenol	83.7%	d14-p-Terphenyl	80.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS62-10

SAMPLE

Lab Sample ID: HV37J

LIMS ID: 05-4892

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/29/05 18:28

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 56.1%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
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-SS62-10

SAMPLE

Lab Sample ID: HV37J

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4892

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 03/29/05 18:28

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	38 J
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	210
86-74-8	Carbazole	60	39 J
120-12-7	Anthracene	60	120
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	700
129-00-0	Pyrene	60	450
85-68-7	Butylbenzylphthalate	60	46 J
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	60	270
117-81-7	bis(2-Ethylhexyl)phthalate	60	470 B
218-01-9	Chrysene	60	440
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo(b)fluoranthene	60	390
207-08-9	Benzo(k)fluoranthene	60	380
50-32-8	Benzo(a)pyrene	60	290
193-39-5	Indeno(1,2,3-cd)pyrene	60	110
53-70-3	Dibenz(a,h)anthracene	60	< 60 U
191-24-2	Benzo(g,h,i)perylene	60	82
62-53-3	Aniline	60	< 60 U
62-75-9	N-Nitrosodimethylamine	300	< 300 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.9%	2-Fluorobiphenyl	71.9%
d14-p-Terphenyl	65.6%	d4-1,2-Dichlorobenzene	59.6%
d5-Phenol	69.8%	2-Fluorophenol	69.5%
2,4,6-Tribromophenol	76.6%	d4-2-Chlorophenol	68.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS62-10

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SAMPLE

Lab Sample ID: HV37J

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4892

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/09/05

Reported: 03/23/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Sample Amount: 7.69 g-dry-wt

Date Analyzed: 03/21/05 22:11

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 56.1 %

pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	22
205-99-2	Benzo (b) fluoranthene	6.5	25
50-32-8	Benzo (a) pyrene	6.5	20
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	14
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	80.0%	d5-Phenol	72.3%
2-Fluorophenol	75.5%	d4-2-Chlorophenol	73.3%
d4-1,2-Dichlorobenzene	65.6%	d5-Nitrobenzene	68.0%
2,4,6-Tribromophenol	88.3%	d14-p-Terphenyl	90.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS207-10

SAMPLE

Lab Sample ID: HV37K

LIMS ID: 05-4893

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/29/05 18:58

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 56.6%

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	120
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	34 J
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U

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

Sample ID: LDW-SS207-10
 SAMPLE

Lab Sample ID: HV37K
 LIMS ID: 05-4893
 Matrix: Sediment
 Date Analyzed: 03/29/05 18:58

QC Report No: HV37-Windward Environmental
 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	36 J
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	240
86-74-8	Carbazole	59	45 J
120-12-7	Anthracene	59	140
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	730
129-00-0	Pyrene	59	490
85-68-7	Butylbenzylphthalate	59	48 J
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	320
117-81-7	bis (2-Ethylhexyl) phthalate	59	550 B
218-01-9	Chrysene	59	530
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	390
207-08-9	Benzo (k) fluoranthene	59	500
50-32-8	Benzo (a) pyrene	59	330
193-39-5	Indeno (1,2,3-cd) pyrene	59	120
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	97
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	77.3%	2-Fluorobiphenyl	74.4%
d14-p-Terphenyl	70.9%	d4-1,2-Dichlorobenzene	58.2%
d5-Phenol	76.6%	2-Fluorophenol	73.4%
2,4,6-Tribromophenol	77.0%	d4-2-Chlorophenol	70.4%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS207-10
SAMPLE

Lab Sample ID: HV37K
LIMS ID: 05-4893
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 03/23/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/18/05
Date Analyzed: 03/21/05 22:43
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: 56.6 %
pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	32
205-99-2	Benzo (b) fluoranthene	6.6	43
50-32-8	Benzo (a) pyrene	6.6	29
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	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	9.8
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	74.8%	d5-Phenol	68.8%
2-Fluorophenol	68.3%	d4-2-Chlorophenol	69.3%
d4-1,2-Dichlorobenzene	56.0%	d5-Nitrobenzene	62.8%
2,4,6-Tribromophenol	86.1%	d14-p-Terphenyl	86.4%

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

Sample ID: LDW-SS65-010
 SAMPLE

Lab Sample ID: HV00B
 LIMS ID: 05-4645
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/29/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/17/05
 Date Analyzed: 03/23/05 14:19
 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: 39.8%
 pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	280
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-SS65-010
 SAMPLE

Lab Sample ID: HV00B
 LIMS ID: 05-4645
 Matrix: Sediment
 Date Analyzed: 03/23/05 14:19

QC Report No: HV00-Windward Environmental
 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	73
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	45
84-74-2	Di-n-Butylphthalate	20	21 B
206-44-0	Fluoranthene	20	280
129-00-0	Pyrene	20	180
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	180 B
218-01-9	Chrysene	20	180
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	110
50-32-8	Benzo (a) pyrene	20	110
193-39-5	Indeno (1,2,3-cd) pyrene	20	63
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	50
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	70.8%	2-Fluorobiphenyl	78.0%
d14-p-Terphenyl	75.6%	d4-1,2-Dichlorobenzene	60.8%
d5-Phenol	73.9%	2-Fluorophenol	71.2%
2,4,6-Tribromophenol	91.7%	d4-2-Chlorophenol	72.5%



ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS65-010
SAMPLE

Lab Sample ID: HV00B
LIMS ID: 05-4645
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/25/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/23/05 13:46
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: 39.8 %
pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	27
205-99-2	Benzo (b) fluoranthene	6.6	67
50-32-8	Benzo (a) pyrene	6.6	43
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	29
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	68.8%	d5-Phenol	63.7%
2-Fluorophenol	57.3%	d4-2-Chlorophenol	60.0%
d4-1,2-Dichlorobenzene	50.8%	d5-Nitrobenzene	58.4%
2,4,6-Tribromophenol	84.8%	d14-p-Terphenyl	79.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS66-10

SAMPLE

Lab Sample ID: HV37I

LIMS ID: 05-4891

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/29/05 17:57

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.5 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 56.3%

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	290	< 290 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
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	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U

Lab Sample ID: HV37I
 LIMS ID: 05-4891
 Matrix: Sediment
 Date Analyzed: 03/29/05 17:57

QC Report No: HV37-Windward Environmental
 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	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	29 J
100-01-6	4-Nitroaniline	290	< 290 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	290	< 290 U
85-01-8	Phenanthrene	59	160
86-74-8	Carbazole	59	36 J
120-12-7	Anthracene	59	91
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	520
129-00-0	Pyrene	59	360
85-68-7	Butylbenzylphthalate	59	32 J
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo(a)anthracene	59	200
117-81-7	bis(2-Ethylhexyl)phthalate	59	360 B
218-01-9	Chrysene	59	330
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo(b)fluoranthene	59	350
207-08-9	Benzo(k)fluoranthene	59	220
50-32-8	Benzo(a)pyrene	59	210
193-39-5	Indeno(1,2,3-cd)pyrene	59	88
53-70-3	Dibenz(a,h)anthracene	59	< 59 U
191-24-2	Benzo(g,h,i)perylene	59	65
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	290	< 290 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	91.7%	2-Fluorobiphenyl	86.0%
d14-p-Terphenyl	76.3%	d4-1,2-Dichlorobenzene	65.2%
d5-Phenol	88.0%	2-Fluorophenol	80.8%
2,4,6-Tribromophenol	85.6%	d4-2-Chlorophenol	79.0%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS66-10
SAMPLE

Lab Sample ID: HV37I
LIMS ID: 05-4891
Matrix: Sediment
Data Release Authorized:
Reported: 03/23/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/18/05
Date Analyzed: 03/21/05 21:39
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: 56.3 %
pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	300
205-99-2	Benzo (b) fluoranthene	6.5	450
50-32-8	Benzo (a) pyrene	6.5	210
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	120
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	71
131-11-3	Dimethylphthalate	6.5	< 6.5 U
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	12
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	75.6%	d5-Phenol	70.7%
2-Fluorophenol	64.3%	d4-2-Chlorophenol	68.0%
d4-1,2-Dichlorobenzene	52.8%	d5-Nitrobenzene	58.4%
2,4,6-Tribromophenol	86.9%	d14-p-Terphenyl	82.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS68-010

SAMPLE

Lab Sample ID: HU85J

LIMS ID: 05-4541

Matrix: Sediment

Data Release Authorized:

Reported: 03/28/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Date Analyzed: 03/21/05 22:27

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: 52.3%

pH: 6.8

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-SS68-010
SAMPLE

Lab Sample ID: HU85J
LIMS ID: 05-4541
Matrix: Sediment
Date Analyzed: 03/21/05 22:27

QC Report No: HU85-Windward Environmental
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	95 J
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	72 J
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	470
129-00-0	Pyrene	98	360
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	210
117-81-7	bis (2-Ethylhexyl) phthalate	98	310
218-01-9	Chrysene	98	340
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	380
207-08-9	Benzo (k) fluoranthene	98	240
50-32-8	Benzo (a) pyrene	98	210
193-39-5	Indeno (1,2,3-cd) pyrene	98	68 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	< 490 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	65.2%	2-Fluorobiphenyl	69.6%
d14-p-Terphenyl	65.8%	d4-1,2-Dichlorobenzene	58.6%
d5-Phenol	67.1%	2-Fluorophenol	62.3%
2,4,6-Tribromophenol	75.2%	d4-2-Chlorophenol	66.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS68-010

Page 1 of 1

SAMPLE

Lab Sample ID: HU85J

QC Report No: HU85-Windward Environmental

LIMS ID: 05-4541

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/07/05

Reported: 03/16/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Sample Amount: 7.66 g-dry-wt

Date Analyzed: 03/15/05 23:39

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 52.3 %

pH: 6.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	31
205-99-2	Benzo (b) fluoranthene	6.5	36
50-32-8	Benzo (a) pyrene	6.5	24
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	14
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	12
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	68.3%
2-Fluorophenol	64.5%	d4-2-Chlorophenol	68.5%
d4-1,2-Dichlorobenzene	61.6%	d5-Nitrobenzene	63.6%
2,4,6-Tribromophenol	75.2%	d14-p-Terphenyl	70.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS69b-010

SAMPLE

Lab Sample ID: HW06C

LIMS ID: 05-5377

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 21:46

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 50.6%

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	290	< 290 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
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	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	39 J
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U



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

Sample ID: LDW-SS69b-010
 SAMPLE

Lab Sample ID: HW06C
 LIMS ID: 05-5377
 Matrix: Sediment
 Date Analyzed: 04/01/05 21:46

QC Report No: HW06-Windward Environmental
 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	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	63
100-01-6	4-Nitroaniline	290	< 290 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	290	< 290 U
85-01-8	Phenanthrene	59	290
86-74-8	Carbazole	59	80
120-12-7	Anthracene	59	220
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	980
129-00-0	Pyrene	59	790
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	350
117-81-7	bis (2-Ethylhexyl) phthalate	59	440
218-01-9	Chrysene	59	580
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	700
207-08-9	Benzo (k) fluoranthene	59	590
50-32-8	Benzo (a) pyrene	59	390
193-39-5	Indeno (1,2,3-cd) pyrene	59	130
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	94
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	290	< 290 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.3%	2-Fluorobiphenyl	68.6%
d14-p-Terphenyl	77.8%	d4-1,2-Dichlorobenzene	55.4%
d5-Phenol	56.6%	2-Fluorophenol	53.1%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	59.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS69b-010

Page 1 of 1

SAMPLE

Lab Sample ID: HW06C

QC Report No: HW06-Windward Environmental

LIMS ID: 05-5377

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/16/05

Reported: 03/31/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Sample Amount: 7.68 g-dry-wt

Date Analyzed: 03/29/05 21:00

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 50.6 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	76
205-99-2	Benzo (b) fluoranthene	6.5	85
50-32-8	Benzo (a) pyrene	6.5	59
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	42
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	7.2
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	79.2%	d5-Phenol	60.0%
2-Fluorophenol	68.8%	d4-2-Chlorophenol	69.1%
d4-1,2-Dichlorobenzene	65.6%	d5-Nitrobenzene	58.4%
2,4,6-Tribromophenol	81.6%	d14-p-Terphenyl	86.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS71-010

SAMPLE

Lab Sample ID: HW06A

LIMS ID: 05-5375

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 20:41

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: 33.4%

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
208-96-8	Acenaphthylene	58	30 J
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

Page 2 of 2

Sample ID: LDW-SS71-010

SAMPLE

Lab Sample ID: HW06A

LIMS ID: 05-5375

Matrix: Sediment

Date Analyzed: 04/01/05 20:41

QC Report No: HW06-Windward Environmental

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	< 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	190
86-74-8	Carbazole	58	39 J
120-12-7	Anthracene	58	94
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	1,200
129-00-0	Pyrene	58	910
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	58	480
117-81-7	bis (2-Ethylhexyl) phthalate	58	310
218-01-9	Chrysene	58	600
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	730
207-08-9	Benzo (k) fluoranthene	58	640
50-32-8	Benzo (a) pyrene	58	460
193-39-5	Indeno (1,2,3-cd) pyrene	58	150
53-70-3	Dibenz (a,h) anthracene	58	54 J
191-24-2	Benzo (g,h,i) perylene	58	130
62-53-3	Aniline	58	< 58 U
62-75-9	N-Nitrosodimethylamine	290	< 290 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.6%	2-Fluorobiphenyl	75.6%
d14-p-Terphenyl	79.4%	d4-1,2-Dichlorobenzene	65.8%
d5-Phenol	65.0%	2-Fluorophenol	62.6%
2,4,6-Tribromophenol	73.8%	d4-2-Chlorophenol	69.8%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS71-010
SAMPLE

Lab Sample ID: HW06A

LIMS ID: 05-5375

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 03/29/05 19:57

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.69 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 33.4 %

pH: 6.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.5	150
205-99-2	Benzo(b)fluoranthene	6.5	190
50-32-8	Benzo(a)pyrene	6.5	200
193-39-5	Indeno(1,2,3-cd)pyrene	6.5	110
106-46-7	1,4-Dichlorobenzene	6.5	9.1
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	120
131-11-3	Dimethylphthalate	6.5	7.2
84-66-2	Diethylphthalate	6.5	6.5 B
85-68-7	Butylbenzylphthalate	6.5	36
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	7.2
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	52.8%
2-Fluorophenol	69.6%	d4-2-Chlorophenol	62.9%
d4-1,2-Dichlorobenzene	59.2%	d5-Nitrobenzene	54.8%
2,4,6-Tribromophenol	83.2%	d14-p-Terphenyl	74.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS73-010

SAMPLE

Lab Sample ID: HU85B

LIMS ID: 05-4533

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/28/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Date Analyzed: 03/21/05 17:53

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: 52.1%

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	150
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-SS73-010
SAMPLE

Lab Sample ID: HU85B
 LIMS ID: 05-4533
 Matrix: Sediment
 Date Analyzed: 03/21/05 17:53

QC Report No: HU85-Windward Environmental
 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	220
86-74-8	Carbazole	98	< 98 U
120-12-7	Anthracene	98	120
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	560
129-00-0	Pyrene	98	540
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	390
117-81-7	bis (2-Ethylhexyl) phthalate	98	370
218-01-9	Chrysene	98	710
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	880
207-08-9	Benzo (k) fluoranthene	98	410
50-32-8	Benzo (a) pyrene	98	520
193-39-5	Indeno (1,2,3-cd) pyrene	98	220
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	170
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	63.6%	2-Fluorobiphenyl	68.4%
d14-p-Terphenyl	65.2%	d4-1,2-Dichlorobenzene	58.4%
d5-Phenol	68.4%	2-Fluorophenol	62.4%
2,4,6-Tribromophenol	78.8%	d4-2-Chlorophenol	67.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS73-010

Page 1 of 1

SAMPLE

Lab Sample ID: HU85B

QC Report No: HU85-Windward Environmental

LIMS ID: 05-4533

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *AB*

Date Sampled: 03/07/05

Reported: 03/16/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Sample Amount: 7.67 g-dry-wt

Date Analyzed: 03/15/05 18:52

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 52.1 %

pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	50
205-99-2	Benzo (b) fluoranthene	6.5	88
50-32-8	Benzo (a) pyrene	6.5	58
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 µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	77.6%	d5-Phenol	76.3%
2-Fluorophenol	77.9%	d4-2-Chlorophenol	72.8%
d4-1,2-Dichlorobenzene	65.2%	d5-Nitrobenzene	69.6%
2,4,6-Tribromophenol	84.8%	d14-p-Terphenyl	86.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS74-010

SAMPLE

Lab Sample ID: HU85F

LIMS ID: 05-4537

Matrix: Sediment

Data Release Authorized:

Reported: 03/28/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Date Analyzed: 03/21/05 19:25

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: 29.1%

pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	96	280
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	< 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

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

Sample ID: LDW-SS74-010
SAMPLE

Lab Sample ID: HU85F
LIMS ID: 05-4537
Matrix: Sediment
Date Analyzed: 03/21/05 19:25

QC Report No: HU85-Windward Environmental
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	< 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	71 J
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	160
129-00-0	Pyrene	96	130
85-68-7	Butylbenzylphthalate	96	< 96 U
91-94-1	3,3'-Dichlorobenzidine	480	< 480 U
56-55-3	Benzo (a) anthracene	96	77 J
117-81-7	bis (2-Ethylhexyl) phthalate	96	120
218-01-9	Chrysene	96	120
117-84-0	Di-n-Octyl phthalate	96	< 96 U
205-99-2	Benzo (b) fluoranthene	96	130
207-08-9	Benzo (k) fluoranthene	96	120
50-32-8	Benzo (a) pyrene	96	100
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	67.0%	2-Fluorobiphenyl	72.8%
d14-p-Terphenyl	66.0%	d4-1,2-Dichlorobenzene	58.8%
d5-Phenol	69.5%	2-Fluorophenol	60.7%
2,4,6-Tribromophenol	80.3%	d4-2-Chlorophenol	69.7%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS74-010
SAMPLE

Lab Sample ID: HU85F
LIMS ID: 05-4537
Matrix: Sediment
Data Release Authorized:
Reported: 03/16/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/14/05
Date Analyzed: 03/15/05 20:28
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.81 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 29.1 %
pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	160
205-99-2	Benzo (b) fluoranthene	6.4	84
50-32-8	Benzo (a) pyrene	6.4	99 M
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	100
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	83
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	80.4%	d5-Phenol	78.1%
2-Fluorophenol	81.6%	d4-2-Chlorophenol	81.1%
d4-1,2-Dichlorobenzene	73.2%	d5-Nitrobenzene	80.8%
2,4,6-Tribromophenol	87.2%	d14-p-Terphenyl	79.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS77-010

SAMPLE

Lab Sample ID: HV58E

LIMS ID: 05-5110

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/23/05

Date Analyzed: 04/01/05 12:55

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

Sample Amount: 50.6 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 28.8%

pH: 6.4

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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	45
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	33
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	21
606-20-2	2,6-Dinitrotoluene	99	< 99 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS77-010

SAMPLE

Lab Sample ID: HV58E

LIMS ID: 05-5110

Matrix: Sediment

Date Analyzed: 04/01/05 12:55

QC Report No: HV58-Windward Environmental

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	44
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	390
86-74-8	Carbazole	20	73
120-12-7	Anthracene	20	210
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	1,200
129-00-0	Pyrene	20	1,000
85-68-7	Butylbenzylphthalate	20	24
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo(a)anthracene	20	630
117-81-7	bis(2-Ethylhexyl)phthalate	20	200
218-01-9	Chrysene	20	820
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	1,100
207-08-9	Benzo(k)fluoranthene	20	570
50-32-8	Benzo(a)pyrene	20	640
193-39-5	Indeno(1,2,3-cd)pyrene	20	230
53-70-3	Dibenz(a,h)anthracene	20	84
191-24-2	Benzo(g,h,i)perylene	20	160
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	73.6%	2-Fluorobiphenyl	68.4%
d14-p-Terphenyl	65.2%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	76.0%	2-Fluorophenol	64.0%
2,4,6-Tribromophenol	70.9%	d4-2-Chlorophenol	69.1%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS77-010
SAMPLE

Lab Sample ID: HV58E
LIMS ID: 05-5110
Matrix: Sediment
Data Release Authorized:
Reported: 05/06/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/22/05
Date Analyzed: 03/28/05 22:59
Instrument/Analyst: NT2NT2/Van
GPC Cleanup: No

Sample Amount: 3.24 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 28.8 %
pH: 6.4

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	15	360
205-99-2	Benzo (b) fluoranthene	15	530
50-32-8	Benzo (a) pyrene	15	420
193-39-5	Indeno (1,2,3-cd) pyrene	15	260
106-46-7	1,4-Dichlorobenzene	15	< 15 U
120-82-1	1,2,4-Trichlorobenzene	15	< 15 U
118-74-1	Hexachlorobenzene	7.7	< 7.7 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	77	< 77 U
87-86-5	Pentachlorophenol	77	< 77 U
95-50-1	1,2-Dichlorobenzene	15	< 15 U
621-64-7	N-Nitroso-Di-N-Propylamine	77	< 77 U
62-75-9	N-Nitrosodimethylamine	77	< 77 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	70.8%	d5-Phenol	52.0%
2-Fluorophenol	61.1%	d4-2-Chlorophenol	62.4%
d4-1,2-Dichlorobenzene	60.0%	d5-Nitrobenzene	62.8%
2,4,6-Tribromophenol	89.6%	d14-p-Terphenyl	82.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS78-010

SAMPLE

Lab Sample ID: HU85C

LIMS ID: 05-4534

Matrix: Sediment

Data Release Authorized:

Reported: 03/28/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Date Analyzed: 03/21/05 18:24

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: 54.4%

pH: 6.9

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-SS78-010
SAMPLE

Lab Sample ID: HU85C
LIMS ID: 05-4534
Matrix: Sediment
Date Analyzed: 03/21/05 18:24

QC Report No: HU85-Windward Environmental
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	120
86-74-8	Carbazole	99	< 99 U
120-12-7	Anthracene	99	59 J
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	390
129-00-0	Pyrene	99	420
85-68-7	Butylbenzylphthalate	99	< 99 U
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	99	210
117-81-7	bis (2-Ethylhexyl) phthalate	99	260
218-01-9	Chrysene	99	340
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo (b) fluoranthene	99	380
207-08-9	Benzo (k) fluoranthene	99	240
50-32-8	Benzo (a) pyrene	99	260
193-39-5	Indeno (1,2,3-cd) pyrene	99	120
53-70-3	Dibenz (a,h) anthracene	99	< 99 U
191-24-2	Benzo (g,h,i) perylene	99	94 J
62-53-3	Aniline	99	< 99 U
62-75-9	N-Nitrosodimethylamine	500	< 500 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	61.0%	2-Fluorobiphenyl	66.6%
d14-p-Terphenyl	64.6%	d4-1,2-Dichlorobenzene	53.2%
d5-Phenol	64.8%	2-Fluorophenol	61.3%
2,4,6-Tribromophenol	75.7%	d4-2-Chlorophenol	64.8%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS78-010

Page 1 of 1

SAMPLE

Lab Sample ID: HU85C

QC Report No: HU85-Windward Environmental

LIMS ID: 05-4534

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: 

Date Sampled: 03/07/05

Reported: 03/16/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Sample Amount: 7.54 g-dry-wt

Date Analyzed: 03/15/05 19:24

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 54.4 %

pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.6	29
205-99-2	Benzo(b)fluoranthene	6.6	36
50-32-8	Benzo(a)pyrene	6.6	32
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	19
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
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	65.6%	d5-Phenol	66.9%
2-Fluorophenol	69.3%	d4-2-Chlorophenol	64.8%
d4-1,2-Dichlorobenzene	58.8%	d5-Nitrobenzene	63.2%
2,4,6-Tribromophenol	65.6%	d14-p-Terphenyl	74.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS81-010

SAMPLE

Lab Sample ID: HV00A

LIMS ID: 05-4644

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 13:49

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: 50.3%

pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	90
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 1 of 2

Sample ID: LDW-SS81-010
 SAMPLE

Lab Sample ID: HV00A
 LIMS ID: 05-4644
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/29/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/17/05
 Date Analyzed: 03/23/05 13:49
 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: 50.3%
 pH: 7.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	90
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

Semivolatiles by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS81-010

SAMPLE

Lab Sample ID: HV00A

LIMS ID: 05-4644

Matrix: Sediment

Data Release Authorized:

Reported: 03/25/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/16/05

Date Analyzed: 03/23/05 13:13

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.72 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 50.3 %

pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	110
205-99-2	Benzo (b) fluoranthene	6.5	170
50-32-8	Benzo (a) pyrene	6.5	160
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	98
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	7.1
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	18
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	48.4%	d5-Phenol	48.8%
2-Fluorophenol	45.6%	d4-2-Chlorophenol	44.3%
d4-1,2-Dichlorobenzene	39.2%	d5-Nitrobenzene	46.0%
2,4,6-Tribromophenol	54.9%	d14-p-Terphenyl	48.8%

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

Sample ID: LDW-SS82-010
 SAMPLE

Lab Sample ID: HU85D
 LIMS ID: 05-4535
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/28/05

QC Report No: HU85-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/07/05
 Date Received: 03/07/05

Date Extracted: 03/14/05
 Date Analyzed: 03/21/05 18:54
 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: 46.1%
 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	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

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

Sample ID: LDW-SS82-010
SAMPLE

Lab Sample ID: HU85D
 LIMS ID: 05-4535
 Matrix: Sediment
 Date Analyzed: 03/21/05 18:54

QC Report No: HU85-Windward Environmental
 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	420
86-74-8	Carbazole	98	79 J
120-12-7	Anthracene	98	180
84-74-2	Di-n-Butylphthalate	98	< 98 U
206-44-0	Fluoranthene	98	1,000
129-00-0	Pyrene	98	790
85-68-7	Butylbenzylphthalate	98	< 98 U
91-94-1	3,3'-Dichlorobenzidine	490	< 490 U
56-55-3	Benzo (a) anthracene	98	570
117-81-7	bis (2-Ethylhexyl)phthalate	98	220
218-01-9	Chrysene	98	800
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	650
207-08-9	Benzo (k) fluoranthene	98	460
50-32-8	Benzo (a) pyrene	98	470
193-39-5	Indeno (1,2,3-cd)pyrene	98	170
53-70-3	Dibenz (a,h) anthracene	98	< 98 U
191-24-2	Benzo (g,h,i) perylene	98	120
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	62.2%	2-Fluorobiphenyl	70.0%
d14-p-Terphenyl	66.2%	d4-1,2-Dichlorobenzene	56.0%
d5-Phenol	65.6%	2-Fluorophenol	60.5%
2,4,6-Tribromophenol	80.5%	d4-2-Chlorophenol	66.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS82-010

SAMPLE

Lab Sample ID: HU85D

LIMS ID: 05-4535

Matrix: Sediment

Data Release Authorized:

Reported: 03/16/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Date Analyzed: 03/15/05 19:56

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.56 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 46.1 %

pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	36
205-99-2	Benzo (b) fluoranthene	6.6	54
50-32-8	Benzo (a) pyrene	6.6	34
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	24
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	72.4%	d5-Phenol	69.1%
2-Fluorophenol	72.5%	d4-2-Chlorophenol	67.7%
d4-1,2-Dichlorobenzene	64.0%	d5-Nitrobenzene	69.2%
2,4,6-Tribromophenol	81.1%	d14-p-Terphenyl	81.6%

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

Sample ID: LDW-SS204-010
SAMPLE

Lab Sample ID: HU85G
LIMS ID: 05-4538
Matrix: Sediment
Data Release Authorized:
Reported: 03/28/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/14/05
Date Analyzed: 03/22/05 22:47
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: 44.6%
pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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	22
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-SS204-010
SAMPLE

Lab Sample ID: HU85G
LIMS ID: 05-4538
Matrix: Sediment
Date Analyzed: 03/22/05 22:47

QC Report No: HU85-Windward Environmental
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	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	190
86-74-8	Carbazole	20	32
120-12-7	Anthracene	20	82
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	630
129-00-0	Pyrene	20	440
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	150
218-01-9	Chrysene	20	410
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	360
207-08-9	Benzo (k) fluoranthene	20	180
50-32-8	Benzo (a) pyrene	20	190
193-39-5	Indeno (1,2,3-cd) pyrene	20	72
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	49
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	76.8%
d14-p-Terphenyl	70.4%	d4-1,2-Dichlorobenzene	64.4%
d5-Phenol	74.1%	2-Fluorophenol	61.9%
2,4,6-Tribromophenol	77.9%	d4-2-Chlorophenol	73.6%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS204-010
SAMPLE

Lab Sample ID: HU85G
LIMS ID: 05-4538
Matrix: Sediment
Data Release Authorized:
Reported: 03/16/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/14/05
Date Analyzed: 03/15/05 22:04
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.77 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 44.6 %
pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	29
205-99-2	Benzo (b) fluoranthene	6.4	32
50-32-8	Benzo (a) pyrene	6.4	21
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	14
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	79.6%	d5-Phenol	77.1%
2-Fluorophenol	80.5%	d4-2-Chlorophenol	79.7%
d4-1,2-Dichlorobenzene	70.8%	d5-Nitrobenzene	72.8%
2,4,6-Tribromophenol	87.7%	d14-p-Terphenyl	89.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS85-010

SAMPLE

Lab Sample ID: HU85A

LIMS ID: 05-4532

Matrix: Sediment

Data Release Authorized:

Reported: 03/28/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Date Analyzed: 03/21/05 17:23

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: 35.0%

pH: 6.5

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-SS85-010
SAMPLE

Lab Sample ID: HU85A
LIMS ID: 05-4532
Matrix: Sediment
Date Analyzed: 03/21/05 17:23

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24

CAS Number	Analyte	RI	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	91 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	290
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	110
117-81-7	bis (2-Ethylhexyl) phthalate	98	150
218-01-9	Chrysene	98	200
117-84-0	Di-n-Octyl phthalate	98	< 98 U
205-99-2	Benzo (b) fluoranthene	98	150
207-08-9	Benzo (k) fluoranthene	98	94 J
50-32-8	Benzo (a) pyrene	98	93 J
193-39-5	Indeno (1,2,3-cd) pyrene	98	58 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	< 490 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.0%	2-Fluorobiphenyl	79.4%
d14-p-Terphenyl	79.6%	d4-1,2-Dichlorobenzene	64.0%
d5-Phenol	75.3%	2-Fluorophenol	69.2%
2,4,6-Tribromophenol	91.2%	d4-2-Chlorophenol	75.2%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS85-010
SAMPLE

Lab Sample ID: HU85A
LIMS ID: 05-4532
Matrix: Sediment
Data Release Authorized:
Reported: 03/16/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/14/05
Date Analyzed: 03/15/05 18:20
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.81 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 35.0 %
pH: 6.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	17
205-99-2	Benzo (b) fluoranthene	6.4	17
50-32-8	Benzo (a) pyrene	6.4	13
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	9.6
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	67.6%	d5-Phenol	61.6%
2-Fluorophenol	68.8%	d4-2-Chlorophenol	64.0%
d4-1,2-Dichlorobenzene	60.4%	d5-Nitrobenzene	63.6%
2,4,6-Tribromophenol	69.3%	d14-p-Terphenyl	74.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS86-010

SAMPLE

Lab Sample ID: HV42I

LIMS ID: 05-4933

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/29/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Date Analyzed: 03/29/05 00:34

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.9 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 19.7%

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	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-SS86-010
SAMPLE

Lab Sample ID: HV42I
 LIMS ID: 05-4933
 Matrix: Sediment
 Date Analyzed: 03/29/05 00:34

QC Report No: HV42-Windward Environmental
 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	56.8%	2-Fluorobiphenyl	60.8%
d14-p-Terphenyl	66.8%	d4-1,2-Dichlorobenzene	54.0%
d5-Phenol	59.7%	2-Fluorophenol	54.4%
2,4,6-Tribromophenol	41.1%	d4-2-Chlorophenol	58.7%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS86-010
SAMPLE

Lab Sample ID: HV42I
LIMS ID: 05-4933
Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

QC Report No: HV42-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Date Extracted: 03/21/05
Date Analyzed: 03/24/05 13:57
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: 19.7 %
pH: 7.3

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	7.2
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	46.0%	d5-Phenol	44.8%
2-Fluorophenol	46.7%	d4-2-Chlorophenol	45.3%
d4-1,2-Dichlorobenzene	40.4%	d5-Nitrobenzene	46.8%
2,4,6-Tribromophenol	50.4%	d14-p-Terphenyl	57.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS90-010

SAMPLE

Lab Sample ID: HV58A

LIMS ID: 05-5106

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/23/05

Date Analyzed: 04/01/05 11:24

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

Sample Amount: 50.4 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 26.3%

pH: 6.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	84 B
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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	36
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

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Sample ID: LDW-SS90-010

SAMPLE

Lab Sample ID: HV58A

LIMS ID: 05-5106

Matrix: Sediment

Date Analyzed: 04/01/05 11:24

QC Report No: HV58-Windward Environmental

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	120
86-74-8	Carbazole	20	28
120-12-7	Anthracene	20	67
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	300
129-00-0	Pyrene	20	200
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	46
218-01-9	Chrysene	20	220
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	170
50-32-8	Benzo (a) pyrene	20	140
193-39-5	Indeno (1,2,3-cd) pyrene	20	66
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	49
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	82.0%	2-Fluorobiphenyl	77.2%
d14-p-Terphenyl	73.2%	d4-1,2-Dichlorobenzene	64.8%
d5-Phenol	83.5%	2-Fluorophenol	70.9%
2,4,6-Tribromophenol	74.1%	d4-2-Chlorophenol	74.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS90-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV58A

QC Report No: HV58-Windward Environmental

LIMS ID: 05-5106

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/14/05

Reported: 05/06/05

Date Received: 03/14/05

Date Extracted: 03/22/05

Sample Amount: 7.75 g-dry-wt

Date Analyzed: 03/28/05 21:23

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 26.3 %

pH: 6.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	54
205-99-2	Benzo (b) fluoranthene	6.4	88
50-32-8	Benzo (a) pyrene	6.4	56
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	57
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	65
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	69.2%	d5-Phenol	49.6%
2-Fluorophenol	60.3%	d4-2-Chlorophenol	58.4%
d4-1,2-Dichlorobenzene	62.8%	d5-Nitrobenzene	70.0%
2,4,6-Tribromophenol	82.4%	d14-p-Terphenyl	74.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS91-010

SAMPLE

Lab Sample ID: HU85H

LIMS ID: 05-4539

Matrix: Sediment

Data Release Authorized:

Reported: 03/28/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Date Analyzed: 03/21/05 21:27

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 5.00

Percent Moisture: 34.0%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	99	< 99 U
111-44-4	Bis-(2-Chloroethyl) Ether	99	< 99 U
95-57-8	2-Chlorophenol	99	< 99 U
541-73-1	1,3-Dichlorobenzene	99	< 99 U
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-SS91-010

SAMPLE

Lab Sample ID: HU85H

QC Report No: HU85-Windward Environmental

LIMS ID: 05-4539

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 03/21/05 21:27

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	72 J
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	700
86-74-8	Carbazole	99	150
120-12-7	Anthracene	99	240
84-74-2	Di-n-Butylphthalate	99	< 99 U
206-44-0	Fluoranthene	99	1,700
129-00-0	Pyrene	99	1,100
85-68-7	Butylbenzylphthalate	99	< 99 U
91-94-1	3,3'-Dichlorobenzidine	500	< 500 U
56-55-3	Benzo (a) anthracene	99	620
117-81-7	bis (2-Ethylhexyl) phthalate	99	510
218-01-9	Chrysene	99	880
117-84-0	Di-n-Octyl phthalate	99	< 99 U
205-99-2	Benzo (b) fluoranthene	99	840
207-08-9	Benzo (k) fluoranthene	99	610
50-32-8	Benzo (a) pyrene	99	600
193-39-5	Indeno (1,2,3-cd) pyrene	99	210
53-70-3	Dibenz (a,h) anthracene	99	< 99 U
191-24-2	Benzo (g,h,i) perylene	99	160
62-53-3	Aniline	99	< 99 U
62-75-9	N-Nitrosodimethylamine	500	< 500 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	66.8%	2-Fluorobiphenyl	74.8%
d14-p-Terphenyl	69.2%	d4-1,2-Dichlorobenzene	58.0%
d5-Phenol	71.3%	2-Fluorophenol	65.1%
2,4,6-Tribromophenol	81.3%	d4-2-Chlorophenol	71.2%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS91-010
SAMPLE

Lab Sample ID: HU85H
LIMS ID: 05-4539
Matrix: Sediment
Data Release Authorized:
Reported: 03/16/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/14/05
Date Analyzed: 03/15/05 22:36
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: 34.0 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	460
205-99-2	Benzo (b) fluoranthene	6.6	320
50-32-8	Benzo (a) pyrene	6.6	430
193-39-5	Indeno (1, 2, 3-cd) pyrene	6.6	240
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	61.6%	d5-Phenol	58.9%
2-Fluorophenol	66.4%	d4-2-Chlorophenol	60.8%
d4-1,2-Dichlorobenzene	54.8%	d5-Nitrobenzene	60.0%
2,4,6-Tribromophenol	65.3%	d14-p-Terphenyl	64.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS93-010

SAMPLE

Lab Sample ID: HV72A

LIMS ID: 05-5210

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 19:35

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.2 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 56.7%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
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	41 J
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	34 J
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	80
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	110
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	56 J
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-SS93-010

SAMPLE

Lab Sample ID: HV72A

QC Report No: HV72-Windward Environmental

LIMS ID: 05-5210

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 04/01/05 19:35

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	100
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	650
86-74-8	Carbazole	60	100
120-12-7	Anthracene	60	280
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	2,700
129-00-0	Pyrene	60	2,500
85-68-7	Butylbenzylphthalate	60	< 60 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	60	910
117-81-7	bis (2-Ethylhexyl) phthalate	60	530
218-01-9	Chrysene	60	1,200
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	Benzo (b) fluoranthene	60	1,200
207-08-9	Benzo (k) fluoranthene	60	900
50-32-8	Benzo (a) pyrene	60	670
193-39-5	Indeno (1,2,3-cd) pyrene	60	200
53-70-3	Dibenz (a,h) anthracene	60	34 J
191-24-2	Benzo (g,h,i) perylene	60	160
62-53-3	Aniline	60	< 60 U
62-75-9	N-Nitrosodimethylamine	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	50.2%	2-Fluorobiphenyl	57.4%
d14-p-Terphenyl	62.8%	d4-1,2-Dichlorobenzene	48.5%
d5-Phenol	48.2%	2-Fluorophenol	45.3%
2,4,6-Tribromophenol	58.0%	d4-2-Chlorophenol	49.8%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS93-010
SAMPLE

Lab Sample ID: HV72A

LIMS ID: 05-5210

Matrix: Sediment

Data Release Authorized:

Reported: 03/30/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 03/29/05 15:08

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: 56.7 %

pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	130
205-99-2	Benzo (b) fluoranthene	6.6	120
50-32-8	Benzo (a) pyrene	6.6	87
193-39-5	Indeno (1,2,3-cd)pyrene	6.6	52
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	7.9
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
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	60.0%	d5-Phenol	44.8%
2-Fluorophenol	52.0%	d4-2-Chlorophenol	59.2%
d4-1,2-Dichlorobenzene	52.4%	d5-Nitrobenzene	46.8%
2,4,6-Tribromophenol	55.7%	d14-p-Terphenyl	69.6%

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

Sample ID: LDW-SS95-10
SAMPLE

Lab Sample ID: HV37C
 LIMS ID: 05-4885
 Matrix: Sediment
 Data Release Authorized:
 Reported: 04/01/05

QC Report No: HV37-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/09/05
 Date Received: 03/10/05

Date Extracted: 03/18/05
 Date Analyzed: 03/29/05 14:54
 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: 43.4%
 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	85
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	170
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	60
99-09-2	3-Nitroaniline	97	< 97 U
83-32-9	Acenaphthene	19	910
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	97	< 97 U
132-64-9	Dibenzofuran	19	730
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-SS95-10
SAMPLE

Lab Sample ID: HV37C
 LIMS ID: 05-4885
 Matrix: Sediment
 Date Analyzed: 03/29/05 14:54

QC Report No: HV37-Windward Environmental
 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	26 B
7005-72-3	4-Chlorophenyl-phenylether	19	< 19 U
86-73-7	Fluorene	19	1,200
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	4,200 E
86-74-8	Carbazole	19	760
120-12-7	Anthracene	19	1,700 E
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	4,600 E
129-00-0	Pyrene	19	2,900 E
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	1,400
117-81-7	bis (2-Ethylhexyl) phthalate	19	140 B
218-01-9	Chrysene	19	1,700 E
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	980
207-08-9	Benzo (k) fluoranthene	19	730
50-32-8	Benzo (a) pyrene	19	660
193-39-5	Indeno (1,2,3-cd) pyrene	19	280
53-70-3	Dibenz (a,h) anthracene	19	100
191-24-2	Benzo (g,h,i) perylene	19	200
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	21.3%	2-Fluorobiphenyl	20.4%
d14-p-Terphenyl	22.0%	d4-1,2-Dichlorobenzene	15.8%
d5-Phenol	20.7%	2-Fluorophenol	19.8%
2,4,6-Tribromophenol	22.9%	d4-2-Chlorophenol	19.7%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS95-10

DILUTION

Lab Sample ID: HV37C

LIMS ID: 05-4885

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/30/05 19:59

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 10.0

Percent Moisture: 43.4%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	190	< 190 U
111-44-4	Bis-(2-Chloroethyl) Ether	190	< 190 U
95-57-8	2-Chlorophenol	190	< 190 U
541-73-1	1,3-Dichlorobenzene	190	< 190 U
106-46-7	1,4-Dichlorobenzene	190	< 190 U
100-51-6	Benzyl Alcohol	190	< 190 U
95-50-1	1,2-Dichlorobenzene	190	< 190 U
95-48-7	2-Methylphenol	190	< 190 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	190	< 190 U
106-44-5	4-Methylphenol	190	< 190 U
621-64-7	N-Nitroso-Di-N-Propylamine	970	< 970 U
67-72-1	Hexachloroethane	190	< 190 U
98-95-3	Nitrobenzene	190	< 190 U
78-59-1	Isophorone	190	< 190 U
88-75-5	2-Nitrophenol	970	< 970 U
105-67-9	2,4-Dimethylphenol	190	< 190 U
65-85-0	Benzoic Acid	1,900	< 1,900 U
111-91-1	bis(2-Chloroethoxy) Methane	190	< 190 U
120-83-2	2,4-Dichlorophenol	970	< 970 U
120-82-1	1,2,4-Trichlorobenzene	190	< 190 U
91-20-3	Naphthalene	190	< 190 U
106-47-8	4-Chloroaniline	970	< 970 U
87-68-3	Hexachlorobutadiene	190	< 190 U
59-50-7	4-Chloro-3-methylphenol	970	< 970 U
91-57-6	2-Methylnaphthalene	190	< 190 U
77-47-4	Hexachlorocyclopentadiene	970	< 970 U
88-06-2	2,4,6-Trichlorophenol	970	< 970 U
95-95-4	2,4,5-Trichlorophenol	970	< 970 U
91-58-7	2-Chloronaphthalene	190	< 190 U
88-74-4	2-Nitroaniline	970	< 970 U
131-11-3	Dimethylphthalate	190	< 190 U
208-96-8	Acenaphthylene	190	< 190 U
99-09-2	3-Nitroaniline	970	< 970 U
83-32-9	Acenaphthene	190	960
51-28-5	2,4-Dinitrophenol	1,900	< 1,900 U
100-02-7	4-Nitrophenol	970	< 970 U
132-64-9	Dibenzofuran	190	720
606-20-2	2,6-Dinitrotoluene	970	< 970 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS95-10

DILUTION

Lab Sample ID: HV37C

LIMS ID: 05-4885

Matrix: Sediment

Date Analyzed: 03/30/05 19:59

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	970	< 970 U
84-66-2	Diethylphthalate	190	< 190 U
7005-72-3	4-Chlorophenyl-phenylether	190	< 190 U
86-73-7	Fluorene	190	1,200
100-01-6	4-Nitroaniline	970	< 970 U
534-52-1	4,6-Dinitro-2-Methylphenol	1,900	< 1,900 U
86-30-6	N-Nitrosodiphenylamine	190	< 190 U
101-55-3	4-Bromophenyl-phenylether	190	< 190 U
118-74-1	Hexachlorobenzene	190	< 190 U
87-86-5	Pentachlorophenol	970	< 970 U
85-01-8	Phenanthrene	190	5,000
86-74-8	Carbazole	190	720
120-12-7	Anthracene	190	1,900
84-74-2	Di-n-Butylphthalate	190	< 190 U
206-44-0	Fluoranthene	190	6,000
129-00-0	Pyrene	190	2,800
85-68-7	Butylbenzylphthalate	190	< 190 U
91-94-1	3,3'-Dichlorobenzidine	970	< 970 U
56-55-3	Benzo (a) anthracene	190	1,400
117-81-7	bis (2-Ethylhexyl) phthalate	190	< 190 U
218-01-9	Chrysene	190	1,800
117-84-0	Di-n-Octyl phthalate	190	< 190 U
205-99-2	Benzo (b) fluoranthene	190	700
207-08-9	Benzo (k) fluoranthene	190	1,100
50-32-8	Benzo (a) pyrene	190	700
193-39-5	Indeno (1,2,3-cd) pyrene	190	230
53-70-3	Dibenz (a,h) anthracene	190	< 190 U
191-24-2	Benzo (g,h,i) perylene	190	< 190 U
62-53-3	Aniline	190	< 190 U
62-75-9	N-Nitrosodimethylamine	970	< 970 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	18.0%	2-Fluorobiphenyl	20.0%
d14-p-Terphenyl	18.8%	d4-1,2-Dichlorobenzene	13.6%
d5-Phenol	17.1%	2-Fluorophenol	17.1%
2,4,6-Tribromophenol	14.7%	d4-2-Chlorophenol	16.8%

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

Sample ID: LDW-SS95-10
REEXTRACT

Lab Sample ID: HV37C
LIMS ID: 05-4885
Matrix: Sediment
Data Release Authorized: *MMW*
Reported: 04/06/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 04/01/05
Date Analyzed: 04/04/05 19:30
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 2.84 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 43.4%
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	880	< 880 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	880	< 880 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	880	< 880 U
120-82-1	1,2,4-Trichlorobenzene	180	< 180 U
91-20-3	Naphthalene	180	440
106-47-8	4-Chloroaniline	880	< 880 U
87-68-3	Hexachlorobutadiene	180	< 180 U
59-50-7	4-Chloro-3-methylphenol	880	< 880 U
91-57-6	2-Methylnaphthalene	180	770
77-47-4	Hexachlorocyclopentadiene	880	< 880 U
88-06-2	2,4,6-Trichlorophenol	880	< 880 U
95-95-4	2,4,5-Trichlorophenol	880	< 880 U
91-58-7	2-Chloronaphthalene	180	< 180 U
88-74-4	2-Nitroaniline	880	< 880 U
131-11-3	Dimethylphthalate	180	< 180 U
208-96-8	Acenaphthylene	180	200
99-09-2	3-Nitroaniline	880	< 880 U
83-32-9	Acenaphthene	180	4,500
51-28-5	2,4-Dinitrophenol	1,800	< 1,800 U
100-02-7	4-Nitrophenol	880	< 880 U
132-64-9	Dibenzofuran	180	4,000
606-20-2	2,6-Dinitrotoluene	880	< 880 U

Sample ID: LDW-SS95-10
 REEXTRACT

Lab Sample ID: HV37C
 LIMS ID: 05-4885
 Matrix: Sediment
 Date Analyzed: 04/04/05 19:30

QC Report No: HV37-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	880	< 880 U
84-66-2	Diethylphthalate	180	< 180 U
7005-72-3	4-Chlorophenyl-phenylether	180	< 180 U
86-73-7	Fluorene	180	6,700
100-01-6	4-Nitroaniline	880	< 880 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	880	< 880 U
85-01-8	Phenanthrene	180	21,000 E
86-74-8	Carbazole	180	4,200
120-12-7	Anthracene	180	9,900
84-74-2	Di-n-Butylphthalate	180	< 180 U
206-44-0	Fluoranthene	180	18,000 E
129-00-0	Pyrene	180	9,400
85-68-7	Butylbenzylphthalate	180	< 180 U
91-94-1	3,3'-Dichlorobenzidine	880	< 880 U
56-55-3	Benzo (a) anthracene	180	4,000
117-81-7	bis (2-Ethylhexyl) phthalate	180	430
218-01-9	Chrysene	180	5,500
117-84-0	Di-n-Octyl phthalate	180	< 180 U
205-99-2	Benzo (b) fluoranthene	180	2,500
207-08-9	Benzo (k) fluoranthene	180	2,600
50-32-8	Benzo (a) pyrene	180	2,000
193-39-5	Indeno (1,2,3-cd) pyrene	180	580
53-70-3	Dibenz (a,h) anthracene	180	< 180 U
191-24-2	Benzo (g,h,i) perylene	180	400
62-53-3	Aniline	180	< 180 U
62-75-9	N-Nitrosodimethylamine	880	< 880 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	86.0%	2-Fluorobiphenyl	78.0%
d14-p-Terphenyl	70.4%	d4-1,2-Dichlorobenzene	67.2%
d5-Phenol	87.7%	2-Fluorophenol	83.5%
2,4,6-Tribromophenol	79.5%	d4-2-Chlorophenol	76.3%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS95-10

REEXTRACT DL

Lab Sample ID: HV37C

LIMS ID: 05-4885

Matrix: Sediment

Data Release Authorized: *WJW*

Reported: 04/06/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 04/01/05

Date Analyzed: 04/05/05 19:56

Instrument/Analyst: NT6/LJR

GPC Cleanup: NO

Sample Amount: 2.84 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 43.4%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	530	< 530 U
111-44-4	Bis-(2-Chloroethyl) Ether	530	< 530 U
95-57-8	2-Chlorophenol	530	< 530 U
541-73-1	1,3-Dichlorobenzene	530	< 530 U
106-46-7	1,4-Dichlorobenzene	530	< 530 U
100-51-6	Benzyl Alcohol	530	< 530 U
95-50-1	1,2-Dichlorobenzene	530	< 530 U
95-48-7	2-Methylphenol	530	< 530 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	530	< 530 U
106-44-5	4-Methylphenol	530	< 530 U
621-64-7	N-Nitroso-Di-N-Propylamine	2,600	< 2,600 U
67-72-1	Hexachloroethane	530	< 530 U
98-95-3	Nitrobenzene	530	< 530 U
78-59-1	Isophorone	530	< 530 U
88-75-5	2-Nitrophenol	2,600	< 2,600 U
105-67-9	2,4-Dimethylphenol	530	< 530 U
65-85-0	Benzoic Acid	5,300	< 5,300 U
111-91-1	bis(2-Chloroethoxy) Methane	530	< 530 U
120-83-2	2,4-Dichlorophenol	2,600	< 2,600 U
120-82-1	1,2,4-Trichlorobenzene	530	< 530 U
91-20-3	Naphthalene	530	< 530 U
106-47-8	4-Chloroaniline	2,600	< 2,600 U
87-68-3	Hexachlorobutadiene	530	< 530 U
59-50-7	4-Chloro-3-methylphenol	2,600	< 2,600 U
91-57-6	2-Methylnaphthalene	530	750
77-47-4	Hexachlorocyclopentadiene	2,600	< 2,600 U
88-06-2	2,4,6-Trichlorophenol	2,600	< 2,600 U
95-95-4	2,4,5-Trichlorophenol	2,600	< 2,600 U
91-58-7	2-Chloronaphthalene	530	< 530 U
88-74-4	2-Nitroaniline	2,600	< 2,600 U
131-11-3	Dimethylphthalate	530	< 530 U
208-96-8	Acenaphthylene	530	< 530 U
99-09-2	3-Nitroaniline	2,600	< 2,600 U
83-32-9	Acenaphthene	530	4,600
51-28-5	2,4-Dinitrophenol	5,300	< 5,300 U
100-02-7	4-Nitrophenol	2,600	< 2,600 U
132-64-9	Dibenzofuran	530	4,000
606-20-2	2,6-Dinitrotoluene	2,600	< 2,600 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SS95-10

REEXTRACT DL

Lab Sample ID: HV37C

LIMS ID: 05-4885

Matrix: Sediment

Date Analyzed: 04/05/05 19:56

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	2,600	< 2,600 U
84-66-2	Diethylphthalate	530	< 530 U
7005-72-3	4-Chlorophenyl-phenylether	530	< 530 U
86-73-7	Fluorene	530	6,800
100-01-6	4-Nitroaniline	2,600	< 2,600 U
534-52-1	4,6-Dinitro-2-Methylphenol	5,300	< 5,300 U
86-30-6	N-Nitrosodiphenylamine	530	< 530 U
101-55-3	4-Bromophenyl-phenylether	530	< 530 U
118-74-1	Hexachlorobenzene	530	< 530 U
87-86-5	Pentachlorophenol	2,600	< 2,600 U
85-01-8	Phenanthrene	530	22,000
86-74-8	Carbazole	530	4,000
120-12-7	Anthracene	530	10,000
84-74-2	Di-n-Butylphthalate	530	< 530 U
206-44-0	Fluoranthene	530	17,000
129-00-0	Pyrene	530	12,000
85-68-7	Butylbenzylphthalate	530	< 530 U
91-94-1	3,3'-Dichlorobenzidine	2,600	< 2,600 U
56-55-3	Benzo(a)anthracene	530	3,800
117-81-7	bis(2-Ethylhexyl)phthalate	530	< 530 U
218-01-9	Chrysene	530	5,700
117-84-0	Di-n-Octyl phthalate	530	< 530 U
205-99-2	Benzo(b)fluoranthene	530	1,600
207-08-9	Benzo(k)fluoranthene	530	2,700
50-32-8	Benzo(a)pyrene	530	1,900
193-39-5	Indeno(1,2,3-cd)pyrene	530	970
53-70-3	Dibenz(a,h)anthracene	530	< 530 U
191-24-2	Benzo(g,h,i)perylene	530	790
62-53-3	Aniline	530	< 530 U
62-75-9	N-Nitrosodimethylamine	2,600	< 2,600 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	88.8%	2-Fluorobiphenyl	78.7%
d14-p-Terphenyl	89.5%	d4-1,2-Dichlorobenzene	64.2%
d5-Phenol	82.4%	2-Fluorophenol	79.5%
2,4,6-Tribromophenol	66.5%	d4-2-Chlorophenol	73.8%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS95-010
SAMPLE

Lab Sample ID: HV37C

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4885

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 03/09/05

Reported: 07/29/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Sample Amount: 2.28 g-dry-wt

Date Analyzed: 03/21/05 18:27

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/VTS

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 43.4 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	22	2,100
205-99-2	Benzo (b) fluoranthene	22	1,400
50-32-8	Benzo (a) pyrene	22	1,100
193-39-5	Indeno (1,2,3-cd) pyrene	22	470
106-46-7	1,4-Dichlorobenzene	22	< 22 U
120-82-1	1,2,4-Trichlorobenzene	22	< 22 U
118-74-1	Hexachlorobenzene	11	< 11 UJ
87-68-3	Hexachlorobutadiene	22	< 22 U
65-85-0	Benzoic Acid	220	270
131-11-3	Dimethylphthalate	22	< 22 U
84-66-2	Diethylphthalate	22	< 22 U
85-68-7	Butylbenzylphthalate	22	< 22 U
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	78.8%	d5-Phenol	74.4%
2-Fluorophenol	68.0%	d4-2-Chlorophenol	76.3%
d4-1,2-Dichlorobenzene	66.8%	d5-Nitrobenzene	73.6%
2,4,6-Tribromophenol	95.7%	d14-p-Terphenyl	85.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS98-010

SAMPLE

Lab Sample ID: HV76A

LIMS ID: 05-5223

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 19:06

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 40.8%

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
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

Page 2 of 2

Sample ID: LDW-SS98-010

SAMPLE

Lab Sample ID: HV76A

LIMS ID: 05-5223

Matrix: Sediment

Date Analyzed: 03/29/05 19:06

QC Report No: HV76-Windward Environmental

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	< 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	64
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	190
129-00-0	Pyrene	58	150
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	58	73
117-81-7	bis (2-Ethylhexyl) phthalate	58	110
218-01-9	Chrysene	58	120
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	110
207-08-9	Benzo (k) fluoranthene	58	95
50-32-8	Benzo (a) pyrene	58	72
193-39-5	Indeno (1,2,3-cd) pyrene	58	42 J
53-70-3	Dibenz (a,h) anthracene	58	< 58 U
191-24-2	Benzo (g,h,i) perylene	58	32 J
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	60.5%	2-Fluorobiphenyl	64.3%
d14-p-Terphenyl	69.8%	d4-1,2-Dichlorobenzene	53.5%
d5-Phenol	62.5%	2-Fluorophenol	56.2%
2,4,6-Tribromophenol	71.1%	d4-2-Chlorophenol	61.9%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS98-010
SAMPLE

Lab Sample ID: HV76A

LIMS ID: 05-5223

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 05/06/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/22/05

Date Analyzed: 03/24/05 20:17

Instrument/Analyst: NT2NT2/Van

GPC Cleanup: No

Sample Amount: 7.73 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 40.8 %

pH: 6.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	29
205-99-2	Benzo (b) fluoranthene	6.5	33
50-32-8	Benzo (a) pyrene	6.5	28
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	23
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	< 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	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	58.8%	d5-Phenol	53.6%
2-Fluorophenol	53.1%	d4-2-Chlorophenol	53.1%
d4-1,2-Dichlorobenzene	45.2%	d5-Nitrobenzene	51.6%
2,4,6-Tribromophenol	67.7%	d14-p-Terphenyl	68.4%



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

Sample ID: LDW-SS100-010
 SAMPLE

Lab Sample ID: HV38B
 LIMS ID: 05-4923
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/29/05

QC Report No: HV38-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/11/05
 Date Received: 03/11/05

Date Extracted: 03/17/05
 Date Analyzed: 03/23/05 20:55
 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: 25.1%
 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	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

Lab Sample ID: HV38B
 LIMS ID: 05-4923
 Matrix: Sediment
 Date Analyzed: 03/23/05 20:55

QC Report No: HV38-Windward Environmental
 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	< 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	36
129-00-0	Pyrene	20	26
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	24 B
218-01-9	Chrysene	20	25
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	26
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	97	< 97 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	74.4%	2-Fluorobiphenyl	80.4%
d14-p-Terphenyl	85.6%	d4-1,2-Dichlorobenzene	62.4%
d5-Phenol	76.0%	2-Fluorophenol	68.8%
2,4,6-Tribromophenol	108%	d4-2-Chlorophenol	75.2%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS100-010
SAMPLE

Lab Sample ID: HV38B
LIMS ID: 05-4923
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 03/25/05

QC Report No: HV38-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/11/05
Date Received: 03/11/05

Date Extracted: 03/16/05
Date Analyzed: 03/24/05 18:41
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: 25.1 %
pH: 6.7

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.3	22
205-99-2	Benzo (b) fluoranthene	6.3	25
50-32-8	Benzo (a) pyrene	6.3	20
193-39-5	Indeno (1,2,3-cd) pyrene	6.3	18
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	< 6.3 U
84-66-2	Diethylphthalate	6.3	5.7 J
85-68-7	Butylbenzylphthalate	6.3	< 6.3 U
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 $\mu\text{g}/\text{kg}$ (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	55.2%	d5-Phenol	50.1%
2-Fluorophenol	46.9%	d4-2-Chlorophenol	47.7%
d4-1,2-Dichlorobenzene	36.4%	d5-Nitrobenzene	46.0%
2,4,6-Tribromophenol	68.5%	d14-p-Terphenyl	68.0%

ORGANICS ANALYSIS DATA SHEET
Pesticides/PCB by GC/ECD Method 8081A
Page 1 of 1

Sample ID: LDW-SS100-010
SAMPLE

Lab Sample ID: HZ55B
LIMS ID: 05-7272
Matrix: Sediment
Data Release Authorized:
Reported: 05/03/05 *AB*

QC Report No: HZ55-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/11/05
Date Received: 03/11/05

Date Extracted: 04/28/05
Date Analyzed: 04/29/05 19:29
Instrument/Analyst: ECD3/AAR
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: 6.7
Percent Moisture: 25.1%

CAS Number	Analyte	RL	Result
118-74-1	Hexachlorobenzene	0.97	< 0.97 U
87-68-3	Hexachlorobutadiene	0.97	< 0.97 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	57.0%
Tetrachlorometaxylene	62.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS103-010

SAMPLE

Lab Sample ID: HU851

LIMS ID: 05-4540

Matrix: Sediment

Data Release Authorized:

Reported: 03/28/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Date Analyzed: 03/22/05 23:18

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: 42.4%

pH: 6.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	< 19 U
111-44-4	Bis-(2-Chloroethyl) Ether	19	< 19 U
95-57-8	2-Chlorophenol	19	< 19 U
541-73-1	1,3-Dichlorobenzene	19	< 19 U
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-SS103-010
 SAMPLE

Lab Sample ID: HU85I
 LIMS ID: 05-4540
 Matrix: Sediment
 Date Analyzed: 03/22/05 23:18

QC Report No: HU85-Windward Environmental
 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	39
86-74-8	Carbazole	19	< 19 U
120-12-7	Anthracene	19	< 19 U
84-74-2	Di-n-Butylphthalate	19	29
206-44-0	Fluoranthene	19	160
129-00-0	Pyrene	19	110
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	48
117-81-7	bis (2-Ethylhexyl) phthalate	19	91
218-01-9	Chrysene	19	87
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	93
207-08-9	Benzo (k) fluoranthene	19	49
50-32-8	Benzo (a) pyrene	19	48
193-39-5	Indeno (1,2,3-cd) pyrene	19	21
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	77.6%	2-Fluorobiphenyl	79.2%
d14-p-Terphenyl	74.8%	d4-1,2-Dichlorobenzene	67.6%
d5-Phenol	78.4%	2-Fluorophenol	61.6%
2,4,6-Tribromophenol	81.3%	d4-2-Chlorophenol	77.9%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS103-010
SAMPLE

Lab Sample ID: HU85I

QC Report No: HU85-Windward Environmental

LIMS ID: 05-4540

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/07/05

Reported: 03/16/05

Date Received: 03/07/05

Date Extracted: 03/14/05

Sample Amount: 7.80 g-dry-wt

Date Analyzed: 03/15/05 23:07

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 42.4 %

pH: 6.6

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.4	< 6.4 U
205-99-2	Benzo(b)fluoranthene	6.4	7.0
50-32-8	Benzo(a)pyrene	6.4	6.4
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	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	77.2%	d5-Phenol	72.5%
2-Fluorophenol	76.5%	d4-2-Chlorophenol	73.1%
d4-1,2-Dichlorobenzene	67.2%	d5-Nitrobenzene	73.2%
2,4,6-Tribromophenol	85.9%	d14-p-Terphenyl	86.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS105-010

SAMPLE

Lab Sample ID: HV00J

LIMS ID: 05-4653

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 16:51

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: 35.6%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	21
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	270
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-SS105-010

SAMPLE

Lab Sample ID: HV00J

LIMS ID: 05-4653

Matrix: Sediment

Date Analyzed: 03/23/05 16:51

QC Report No: HV00-Windward Environmental

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	74
86-74-8	Carbazole	20	23
120-12-7	Anthracene	20	24
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	360
129-00-0	Pyrene	20	210
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	260
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	260
207-08-9	Benzo (k) fluoranthene	20	140
50-32-8	Benzo (a) pyrene	20	110
193-39-5	Indeno (1,2,3-cd) pyrene	20	48
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	67.6%	2-Fluorobiphenyl	71.2%
d14-p-Terphenyl	75.2%	d4-1,2-Dichlorobenzene	56.0%
d5-Phenol	68.3%	2-Fluorophenol	66.7%
2,4,6-Tribromophenol	97.6%	d4-2-Chlorophenol	66.4%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS105-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV00J

QC Report No: HV00-Windward Environmental

LIMS ID: 05-4653

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *AP*

Date Sampled: 03/08/05

Reported: 05/06/05

Date Received: 03/09/05

Date Extracted: 03/16/05

Sample Amount: 7.73 g-dry-wt

Date Analyzed: 03/23/05 20:14

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 35.6 %

pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	38
205-99-2	Benzo (b) fluoranthene	6.5	52
50-32-8	Benzo (a) pyrene	6.5	41
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	35
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	62 J
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	58.0%	d5-Phenol	56.3%
2-Fluorophenol	56.8%	d4-2-Chlorophenol	55.7%
d4-1,2-Dichlorobenzene	45.2%	d5-Nitrobenzene	50.8%
2,4,6-Tribromophenol	66.1%	d14-p-Terphenyl	61.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS106-010

SAMPLE

Lab Sample ID: HV00K

LIMS ID: 05-4654

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 17:22

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: 28.3%

pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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-SS106-010
SAMPLE

Lab Sample ID: HV00K
 LIMS ID: 05-4654
 Matrix: Sediment
 Date Analyzed: 03/23/05 17:22

QC Report No: HV00-Windward Environmental
 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	< 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
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	< 99 U

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


Semivolatile Surrogate Recovery

d5-Nitrobenzene	70.8%	2-Fluorobiphenyl	74.4%
d14-p-Terphenyl	75.6%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	71.2%	2-Fluorophenol	69.9%
2,4,6-Tribromophenol	102%	d4-2-Chlorophenol	71.5%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS106-010
SAMPLE

Lab Sample ID: HV00K
LIMS ID: 05-4654
Matrix: Sediment
Data Release Authorized: 
Reported: 05/06/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/23/05 20:46
Instrument/Analyst: NT2NT2/Van
GPC Cleanup: No

Sample Amount: 7.54 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 28.3 %
pH: 6.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	7.3
205-99-2	Benzo (b) fluoranthene	6.6	8.0
50-32-8	Benzo (a) pyrene	6.6	7.3
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	6.6
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	< 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	43.2%	d5-Phenol	40.8%
2-Fluorophenol	43.2%	d4-2-Chlorophenol	41.3%
d4-1,2-Dichlorobenzene	34.8%	d5-Nitrobenzene	36.4%
2,4,6-Tribromophenol	49.3%	d14-p-Terphenyl	50.8%

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

Sample ID: LDW-SS107-010
SAMPLE

Lab Sample ID: HV58L
LIMS ID: 05-5117
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 04/05/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/23/05
Date Analyzed: 04/01/05 16:28
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 44.4%
pH: 6.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	34 B
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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	27
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

Lab Sample ID: HV58L
 LIMS ID: 05-5117
 Matrix: Sediment
 Date Analyzed: 04/01/05 16:28

QC Report No: HV58-Windward Environmental
 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	110
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	20
84-74-2	Di-n-Butylphthalate	20	25
206-44-0	Fluoranthene	20	300
129-00-0	Pyrene	20	160
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	66
117-81-7	bis (2-Ethylhexyl) phthalate	20	130
218-01-9	Chrysene	20	120
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	120
50-32-8	Benzo (a) pyrene	20	79
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	24
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	76.0%	2-Fluorobiphenyl	69.6%
d14-p-Terphenyl	65.2%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	78.9%	2-Fluorophenol	68.0%
2,4,6-Tribromophenol	70.4%	d4-2-Chlorophenol	67.2%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS107-010
SAMPLE

Lab Sample ID: HV58L
LIMS ID: 05-5117
Matrix: Sediment
Data Release Authorized:
Reported: 05/06/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/22/05
Date Analyzed: 03/29/05 14:04
Instrument/Analyst: NT2NT2/Van
GPC Cleanup: No

Sample Amount: 7.51 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 44.4 %
pH: 6.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.7	29
205-99-2	Benzo (b) fluoranthene	6.7	41
50-32-8	Benzo (a) pyrene	6.7	29
193-39-5	Indeno (1,2,3-cd) pyrene	6.7	21
106-46-7	1,4-Dichlorobenzene	6.7	< 6.7 U
120-82-1	1,2,4-Trichlorobenzene	6.7	< 6.7 U
118-74-1	Hexachlorobenzene	3.3	< 3.3 UJ
87-68-3	Hexachlorobutadiene	6.7	< 6.7 U
65-85-0	Dimethylphthalate	6.7	< 6.7 U
131-11-3	Diethylphthalate	6.7	< 6.7 U
84-66-2	Butylbenzylphthalate	6.7	6.7
85-68-7	2-Methylphenol	6.7	< 6.7 U
95-48-7	2,4-Dimethylphenol	6.7	< 6.7 U
105-67-9	N-Nitrosodiphenylamine	6.7	7.3
100-51-6	Benzyl Alcohol	33	< 33 U
87-86-5	Pentachlorophenol	33	< 33 U
95-50-1	1,2-Dichlorobenzene	6.7	< 6.7 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	48.0%
2-Fluorophenol	51.7%	d4-2-Chlorophenol	59.7%
d4-1,2-Dichlorobenzene	61.2%	d5-Nitrobenzene	54.0%
2,4,6-Tribromophenol	61.9%	d14-p-Terphenyl	77.6%

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

Sample ID: LDW-SS108-010
SAMPLE

Lab Sample ID: HV42E
LIMS ID: 05-4929
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/29/05

QC Report No: HV42-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Date Extracted: 03/21/05
Date Analyzed: 03/25/05 19:03
Instrument/Analyst: NT4/LJR
GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 3.00
Percent Moisture: 56.3%
pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
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	290	< 290 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
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	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
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Sample ID: LDW-SS108-010
SAMPLE

Lab Sample ID: HV42E
LIMS ID: 05-4929
Matrix: Sediment
Date Analyzed: 03/25/05 19:03

QC Report No: HV42-Windward Environmental
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	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
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	290	< 290 U
85-01-8	Phenanthrene	59	100
86-74-8	Carbazole	59	< 59 U
120-12-7	Anthracene	59	35 J
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	360
129-00-0	Pyrene	59	310
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	160
117-81-7	bis (2-Ethylhexyl) phthalate	59	160
218-01-9	Chrysene	59	240
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	200
207-08-9	Benzo (k) fluoranthene	59	190
50-32-8	Benzo (a) pyrene	59	150
193-39-5	Indeno (1,2,3-cd) pyrene	59	100
53-70-3	Dibenz (a, h) anthracene	59	< 59 U
191-24-2	Benzo (g, h, i) perylene	59	73
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	290	< 290 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	53.8%	2-Fluorobiphenyl	57.0%
d14-p-Terphenyl	66.7%	d4-1,2-Dichlorobenzene	49.7%
d5-Phenol	57.3%	2-Fluorophenol	53.7%
2,4,6-Tribromophenol	65.5%	d4-2-Chlorophenol	57.0%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS108-010
SAMPLE

Lab Sample ID: HV42E

QC Report No: HV42-Windward Environmental

LIMS ID: 05-4929

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/10/05

Reported: 03/29/05

Date Received: 03/11/05

Date Extracted: 03/21/05

Sample Amount: 7.65 g-dry-wt

Date Analyzed: 03/24/05 16:33

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 56.3 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	160
205-99-2	Benzo (b) fluoranthene	6.5	190
50-32-8	Benzo (a) pyrene	6.5	140
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	88
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	9.8
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	61.6%	d5-Phenol	53.6%
2-Fluorophenol	54.4%	d4-2-Chlorophenol	53.3%
d4-1,2-Dichlorobenzene	51.6%	d5-Nitrobenzene	54.8%
2,4,6-Tribromophenol	72.8%	d14-p-Terphenyl	72.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS122-010

SAMPLE

Lab Sample ID: HV00L

LIMS ID: 05-4655

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 17:52

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: 34.6%

pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	34
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-SS122-010
SAMPLE

Lab Sample ID: HV00L
 LIMS ID: 05-4655
 Matrix: Sediment
 Date Analyzed: 03/23/05 17:52

QC Report No: HV00-Windward Environmental
 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	< 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	28
129-00-0	Pyrene	20	21
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	50 B
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	97	< 97 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.0%	2-Fluorobiphenyl	73.6%
d14-p-Terphenyl	78.4%	d4-1,2-Dichlorobenzene	57.2%
d5-Phenol	68.5%	2-Fluorophenol	66.1%
2,4,6-Tribromophenol	106%	d4-2-Chlorophenol	66.4%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SS122-010

SAMPLE

Lab Sample ID: HV00L

LIMS ID: 05-4655

Matrix: Sediment

Data Release Authorized:

Reported: 05/06/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/16/05

Date Analyzed: 03/23/05 21:18

Instrument/Analyst: NT2NT2/Van

GPC Cleanup: No

Sample Amount: 7.53 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 34.6 %

pH: 6.9

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 J
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	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	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	10
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	48.5%
2-Fluorophenol	50.1%	d4-2-Chlorophenol	47.2%
d4-1,2-Dichlorobenzene	42.0%	d5-Nitrobenzene	45.6%
2,4,6-Tribromophenol	61.3%	d14-p-Terphenyl	57.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS124-010

SAMPLE

Lab Sample ID: HV72B

LIMS ID: 05-5211

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 20:08

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: 37.6%

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	< 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

Lab Sample ID: HV72B
 LIMS ID: 05-5211
 Matrix: Sediment
 Date Analyzed: 04/01/05 20:08

QC Report No: HV72-Windward Environmental
 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	160
129-00-0	Pyrene	20	120
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	20	49
117-81-7	bis (2-Ethylhexyl) phthalate	20	27
218-01-9	Chrysene	20	66
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	55
207-08-9	Benzo (k) fluoranthene	20	50
50-32-8	Benzo (a) pyrene	20	45
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 µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	66.4%	2-Fluorobiphenyl	72.8%
d14-p-Terphenyl	72.8%	d4-1,2-Dichlorobenzene	63.2%
d5-Phenol	61.6%	2-Fluorophenol	59.7%
2,4,6-Tribromophenol	77.6%	d4-2-Chlorophenol	65.1%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS124-010
SAMPLE

Lab Sample ID: HV72B
LIMS ID: 05-5211
Matrix: Sediment
Data Release Authorized:
Reported: 05/06/05

QC Report No: HV72-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Date Extracted: 03/22/05
Date Analyzed: 03/29/05 15:40
Instrument/Analyst: NT2NT2/Van
GPC Cleanup: No

Sample Amount: 7.80 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 37.6 %
pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	< 6.4 U
205-99-2	Benzo (b) fluoranthene	6.4	6.4
50-32-8	Benzo (a) pyrene	6.4	< 6.4 U
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	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	65.2%	d5-Phenol	49.1%
2-Fluorophenol	54.9%	d4-2-Chlorophenol	58.1%
d4-1,2-Dichlorobenzene	54.8%	d5-Nitrobenzene	51.6%
2,4,6-Tribromophenol	64.8%	d14-p-Terphenyl	74.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS131-010

SAMPLE

Lab Sample ID: HV00M

LIMS ID: 05-4656

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 18:22

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: 53.3%

pH: 6.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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	34
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-SS131-010
SAMPLE

Lab Sample ID: HV00M
 LIMS ID: 05-4656
 Matrix: Sediment
 Date Analyzed: 03/23/05 18:22

QC Report No: HV00-Windward Environmental
 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	49
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	210
129-00-0	Pyrene	20	130
85-68-7	Butylbenzylphthalate	20	23
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	79
117-81-7	bis(2-Ethylhexyl)phthalate	20	130 B
218-01-9	Chrysene	20	100
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	65
50-32-8	Benzo(a)pyrene	20	70
193-39-5	Indeno(1,2,3-cd)pyrene	20	26
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 $\mu\text{g}/\text{kg}$ (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.0%	2-Fluorobiphenyl	72.0%
d14-p-Terphenyl	75.6%	d4-1,2-Dichlorobenzene	55.2%
d5-Phenol	68.8%	2-Fluorophenol	66.4%
2,4,6-Tribromophenol	103%	d4-2-Chlorophenol	68.0%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS131-010
SAMPLE

Lab Sample ID: HV00M

LIMS ID: 05-4656

Matrix: Sediment

Data Release Authorized:

Reported: 03/25/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/16/05

Date Analyzed: 03/23/05 21:50

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: 53.3 %

pH: 6.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	56
205-99-2	Benzo (b) fluoranthene	6.5	71
50-32-8	Benzo (a) pyrene	6.5	62
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	47
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	90
131-11-3	Dimethylphthalate	6.5	21
84-66-2	Diethylphthalate	6.5	< 6.5 U
85-68-7	Butylbenzylphthalate	6.5	21
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	58.4%
2-Fluorophenol	55.5%	d4-2-Chlorophenol	56.3%
d4-1,2-Dichlorobenzene	44.0%	d5-Nitrobenzene	48.8%
2,4,6-Tribromophenol	71.7%	d14-p-Terphenyl	68.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS206-010

SAMPLE

Lab Sample ID: HV00N

LIMS ID: 05-4657

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 18:53

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: 52.7%

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	66
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-SS206-010

SAMPLE

Lab Sample ID: HV00N

LIMS ID: 05-4657

Matrix: Sediment

Date Analyzed: 03/23/05 18:53

QC Report No: HV00-Windward Environmental

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	130
86-74-8	Carbazole	20	24
120-12-7	Anthracene	20	36
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	690
129-00-0	Pyrene	20	400
85-68-7	Butylbenzylphthalate	20	44
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	170
117-81-7	bis (2-Ethylhexyl) phthalate	20	270 B
218-01-9	Chrysene	20	270
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	240
207-08-9	Benzo (k) fluoranthene	20	170
50-32-8	Benzo (a) pyrene	20	120
193-39-5	Indeno (1,2,3-cd) pyrene	20	45
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	34
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	78.4%	2-Fluorobiphenyl	80.4%
d14-p-Terphenyl	82.8%	d4-1,2-Dichlorobenzene	66.8%
d5-Phenol	80.0%	2-Fluorophenol	77.3%
2,4,6-Tribromophenol	113%	d4-2-Chlorophenol	78.1%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS206-010
SAMPLE

Lab Sample ID: HV00N
LIMS ID: 05-4657
Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/23/05 22:21
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.57 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 52.7 %
pH: 6.7

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	42
205-99-2	Benzo (b) fluoranthene	6.6	47
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	130
131-11-3	Dimethylphthalate	6.6	14
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	46
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	61.2%	d5-Phenol	57.6%
2-Fluorophenol	54.4%	d4-2-Chlorophenol	56.5%
d4-1,2-Dichlorobenzene	45.6%	d5-Nitrobenzene	48.0%
2,4,6-Tribromophenol	77.1%	d14-p-Terphenyl	72.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS132-10

SAMPLE

Lab Sample ID: HV37H

LIMS ID: 05-4890

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/30/05 22:31

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: 60.0%

pH: 7.1

CAS Number	Analyte	RI	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
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-SS132-10

SAMPLE

Lab Sample ID: HV37H

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4890

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 03/30/05 22:31

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	120
86-74-8	Carbazole	20	24
120-12-7	Anthracene	20	39
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	360
129-00-0	Pyrene	20	250
85-68-7	Butylbenzylphthalate	20	35
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	320 B
218-01-9	Chrysene	20	200
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	190
207-08-9	Benzo(k)fluoranthene	20	210
50-32-8	Benzo(a)pyrene	20	130
193-39-5	Indeno(1,2,3-cd)pyrene	20	58
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	49
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	86.0%	2-Fluorobiphenyl	80.4%
d14-p-Terphenyl	86.4%	d4-1,2-Dichlorobenzene	65.6%
d5-Phenol	91.2%	2-Fluorophenol	84.5%
2,4,6-Tribromophenol	92.8%	d4-2-Chlorophenol	80.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS132-10

Page 1 of 1

SAMPLE

Lab Sample ID: HV37H

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4890

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/09/05

Reported: 03/23/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Sample Amount: 7.60 g-dry-wt

Date Analyzed: 03/21/05 21:07

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 60.0 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	54
205-99-2	Benzo (b) fluoranthene	6.6	58
50-32-8	Benzo (a) pyrene	6.6	55
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	44
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	100
131-11-3	Dimethylphthalate	6.6	7.9
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	15
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	62.0%	d5-Phenol	58.9%
2-Fluorophenol	60.5%	d4-2-Chlorophenol	59.2%
d4-1,2-Dichlorobenzene	54.0%	d5-Nitrobenzene	54.4%
2,4,6-Tribromophenol	71.7%	d14-p-Terphenyl	65.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS133-10
SAMPLE

Lab Sample ID: HV37D
LIMS ID: 05-4886
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 04/01/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/18/05
Date Analyzed: 03/30/05 20:29
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: 54.9%
pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	20
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	33
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-SS133-10
 SAMPLE

Lab Sample ID: HV37D
 LIMS ID: 05-4886
 Matrix: Sediment
 Date Analyzed: 03/30/05 20:29

QC Report No: HV37-Windward Environmental
 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	91
86-74-8	Carbazole	20	29
120-12-7	Anthracene	20	61
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	400
129-00-0	Pyrene	20	220
85-68-7	Butylbenzylphthalate	20	27
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	110
117-81-7	bis (2-Ethylhexyl) phthalate	20	250 B
218-01-9	Chrysene	20	150
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	170
50-32-8	Benzo (a) pyrene	20	100
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	37
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	82.4%	2-Fluorobiphenyl	81.6%
d14-p-Terphenyl	79.2%	d4-1,2-Dichlorobenzene	64.8%
d5-Phenol	90.7%	2-Fluorophenol	82.4%
2,4,6-Tribromophenol	92.0%	d4-2-Chlorophenol	84.0%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS133-10
SAMPLE

Lab Sample ID: HV37D

LIMS ID: 05-4886

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/23/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/21/05 18:59

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.69 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 54.9 %

pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	7.8
205-99-2	Benzo (b) fluoranthene	6.5	8.4
50-32-8	Benzo (a) pyrene	6.5	7.8
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	7.2
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	74.8%	d5-Phenol	75.2%
2-Fluorophenol	73.9%	d4-2-Chlorophenol	74.4%
d4-1,2-Dichlorobenzene	68.4%	d5-Nitrobenzene	68.8%
2,4,6-Tribromophenol	91.2%	d14-p-Terphenyl	83.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS135-010

SAMPLE

Lab Sample ID: HV72C

LIMS ID: 05-5212

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 16:19

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: 44.2%

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

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Sample ID: LDW-SS135-010

SAMPLE

Lab Sample ID: HV72C

LIMS ID: 05-5212

Matrix: Sediment

Date Analyzed: 04/01/05 16:19

QC Report No: HV72-Windward Environmental

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	< 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	21
129-00-0	Pyrene	20	25
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	34
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	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	67.2%	2-Fluorobiphenyl	70.4%
d14-p-Terphenyl	74.8%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	65.9%	2-Fluorophenol	62.4%
2,4,6-Tribromophenol	82.7%	d4-2-Chlorophenol	67.2%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS135-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV72C

QC Report No: HV72-Windward Environmental

LIMS ID: 05-5212

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/15/05

Reported: 03/30/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Sample Amount: 7.54 g-dry-wt

Date Analyzed: 03/29/05 16:12

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 44.2 %

pH: 7.2

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	< 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	8.0
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	76.4%	d5-Phenol	52.5%
2-Fluorophenol	63.7%	d4-2-Chlorophenol	66.7%
d4-1,2-Dichlorobenzene	66.4%	d5-Nitrobenzene	57.2%
2,4,6-Tribromophenol	68.3%	d14-p-Terphenyl	91.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS136-010

SAMPLE

Lab Sample ID: HV72D

LIMS ID: 05-5213

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 16:52

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: 30.6%

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	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
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Sample ID: LDW-SS136-010
SAMPLE

Lab Sample ID: HV72D
LIMS ID: 05-5213
Matrix: Sediment
Date Analyzed: 04/01/05 16:52

QC Report No: HV72-Windward Environmental
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	20
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	48
129-00-0	Pyrene	19	43
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	25
218-01-9	Chrysene	19	27
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo(b)fluoranthene	19	29
207-08-9	Benzo(k)fluoranthene	19	31
50-32-8	Benzo(a)pyrene	19	23
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	66.4%	2-Fluorobiphenyl	71.2%
d14-p-Terphenyl	69.6%	d4-1,2-Dichlorobenzene	62.4%
d5-Phenol	61.3%	2-Fluorophenol	58.9%
2,4,6-Tribromophenol	83.5%	d4-2-Chlorophenol	63.5%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS136-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV72D

QC Report No: HV72-Windward Environmental

LIMS ID: 05-5213

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/15/05

Reported: 05/06/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Sample Amount: 7.65 g-dry-wt

Date Analyzed: 03/29/05 16:45

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 30.6 %

pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	12
205-99-2	Benzo (b) fluoranthene	6.5	14
50-32-8	Benzo (a) pyrene	6.5	14
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	12
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	3.3	< 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	< 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	70.8%	d5-Phenol	46.1%
2-Fluorophenol	56.0%	d4-2-Chlorophenol	61.1%
d4-1,2-Dichlorobenzene	63.2%	d5-Nitrobenzene	56.0%
2,4,6-Tribromophenol	65.1%	d14-p-Terphenyl	84.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS137-10

SAMPLE

Lab Sample ID: HV37G

LIMS ID: 05-4889

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/30/05 22:00

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: 57.9%

pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	23
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-SS137-10

SAMPLE

Lab Sample ID: HV37G

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4889

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Date Analyzed: 03/30/05 22:00

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	230
86-74-8	Carbazole	20	53
120-12-7	Anthracene	20	45
84-74-2	Di-n-Butylphthalate	20	24
206-44-0	Fluoranthene	20	830
129-00-0	Pyrene	20	570
85-68-7	Butylbenzylphthalate	20	44
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	180
117-81-7	bis (2-Ethylhexyl) phtalate	20	320 B
218-01-9	Chrysene	20	360
117-84-0	Di-n-Octyl phtalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	290
207-08-9	Benzo (k) fluoranthene	20	380
50-32-8	Benzo (a) pyrene	20	200
193-39-5	Indeno (1,2,3-cd) pyrene	20	95
53-70-3	Dibenz (a,h) anthracene	20	27
191-24-2	Benzo (g,h,i) perylene	20	72
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	96.4%	2-Fluorobiphenyl	89.2%
d14-p-Terphenyl	95.6%	d4-1,2-Dichlorobenzene	73.6%
d5-Phenol	100%	2-Fluorophenol	94.4%
2,4,6-Tribromophenol	105%	d4-2-Chlorophenol	90.7%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS137-10

Page 1 of 1

SAMPLE

Lab Sample ID: HV37G

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4889

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/09/05

Reported: 03/23/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Sample Amount: 7.59 g-dry-wt

Date Analyzed: 03/21/05 20:35

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 57.9 %

pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	47
205-99-2	Benzo (b) fluoranthene	6.6	90
50-32-8	Benzo (a) pyrene	6.6	54
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	45
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	99
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	68.4%	d5-Phenol	63.5%
2-Fluorophenol	58.7%	d4-2-Chlorophenol	60.8%
d4-1,2-Dichlorobenzene	55.6%	d5-Nitrobenzene	58.8%
2,4,6-Tribromophenol	83.2%	d14-p-Terphenyl	77.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SSI38-10

SAMPLE

Lab Sample ID: HV37E

LIMS ID: 05-4887

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/30/05 21:00

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: 47.4%

pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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-SS138-10
SAMPLE

Lab Sample ID: HV37E
LIMS ID: 05-4887
Matrix: Sediment
Date Analyzed: 03/30/05 21:00

QC Report No: HV37-Windward Environmental
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	60
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	190
129-00-0	Pyrene	20	110
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	50
117-81-7	bis (2-Ethylhexyl) phthalate	20	120 B
218-01-9	Chrysene	20	79
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	71
207-08-9	Benzo (k) fluoranthene	20	86
50-32-8	Benzo (a) pyrene	20	60
193-39-5	Indeno (1,2,3-cd) pyrene	20	27
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	21
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	86.4%	2-Fluorobiphenyl	82.8%
d14-p-Terphenyl	78.4%	d4-1,2-Dichlorobenzene	66.4%
d5-Phenol	90.9%	2-Fluorophenol	83.2%
2,4,6-Tribromophenol	94.4%	d4-2-Chlorophenol	85.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS138-10

Page 1 of 1

SAMPLE

Lab Sample ID: HV37E

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4887

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 03/09/05

Reported: 03/23/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Sample Amount: 7.65 g-dry-wt

Date Analyzed: 03/21/05 19:31

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 47.4 %

pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	12
205-99-2	Benzo (b) fluoranthene	6.5	18
50-32-8	Benzo (a) pyrene	6.5	12
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	14
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	73.2%	d5-Phenol	68.8%
2-Fluorophenol	49.6%	d4-2-Chlorophenol	66.7%
d4-1,2-Dichlorobenzene	58.8%	d5-Nitrobenzene	63.2%
2,4,6-Tribromophenol	86.9%	d14-p-Terphenyl	83.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS139-10

SAMPLE

Lab Sample ID: HV37F

LIMS ID: 05-4888

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/30/05 21:30

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: 43.5%

pH: 6.8

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	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
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Sample ID: LDW-SS139-10
 SAMPLE

Lab Sample ID: HV37F
 LIMS ID: 05-4888
 Matrix: Sediment
 Date Analyzed: 03/30/05 21:30

QC Report No: HV37-Windward Environmental
 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	94
86-74-8	Carbazole	19	20
120-12-7	Anthracene	19	< 19 U
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	260
129-00-0	Pyrene	19	160
85-68-7	Butylbenzylphthalate	19	20
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo(a)anthracene	19	72
117-81-7	bis(2-Ethylhexyl)phthalate	19	170 B
218-01-9	Chrysene	19	130
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo(b)fluoranthene	19	120
207-08-9	Benzo(k)fluoranthene	19	130
50-32-8	Benzo(a)pyrene	19	83
193-39-5	Indeno(1,2,3-cd)pyrene	19	39
53-70-3	Dibenz(a,h)anthracene	19	< 19 U
191-24-2	Benzo(g,h,i)perylene	19	33
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	82.4%	2-Fluorobiphenyl	78.0%
d14-p-Terphenyl	78.4%	d4-1,2-Dichlorobenzene	63.6%
d5-Phenol	85.6%	2-Fluorophenol	77.6%
2,4,6-Tribromophenol	90.4%	d4-2-Chlorophenol	76.8%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS139-010
SAMPLE

Lab Sample ID: HV37F
LIMS ID: 05-4888
Matrix: Sediment
Data Release Authorized:
Reported: 05/06/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/18/05
Date Analyzed: 03/21/05 20:03
Instrument/Analyst: NT2NT2/Van
GPC Cleanup: No

Sample Amount: 7.63 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 43.5 %
pH: 6.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	18
205-99-2	Benzo (b) fluoranthene	6.6	28
50-32-8	Benzo (a) pyrene	6.6	20
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	3.3	< 3.3 UJ
87-68-3	Hexachlorobutadiene	6.6	< 6.6 U
65-85-0	Benzoic Acid	66	71
131-11-3	Dimethylphthalate	6.6	< 6.6 U
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	8.5
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	72.8%
2-Fluorophenol	70.1%	d4-2-Chlorophenol	70.4%
d4-1,2-Dichlorobenzene	60.8%	d5-Nitrobenzene	63.6%
2,4,6-Tribromophenol	91.5%	d14-p-Terphenyl	86.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS140-010

SAMPLE

Lab Sample ID: HV000

LIMS ID: 05-4658

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 19:23

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: 24.0%

pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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-SS140-010

SAMPLE

Lab Sample ID: HV000

LIMS ID: 05-4658

Matrix: Sediment

Date Analyzed: 03/23/05 19:23

QC Report No: HV00-Windward Environmental

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	< 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	42
129-00-0	Pyrene	20	31
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	< 20 U
117-81-7	bis (2-Ethylhexyl) phthalate	20	57 B
218-01-9	Chrysene	20	21
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	29
207-08-9	Benzo (k) fluoranthene	20	16 J
50-32-8	Benzo (a) pyrene	20	< 20 U
193-39-5	Indeno (1,2,3-cd) pyrene	20	< 20 U
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.4%	2-Fluorobiphenyl	76.4%
d14-p-Terphenyl	82.8%	d4-1,2-Dichlorobenzene	60.8%
d5-Phenol	75.5%	2-Fluorophenol	70.9%
2,4,6-Tribromophenol	105%	d4-2-Chlorophenol	70.4%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS140-010
SAMPLE

Lab Sample ID: HV000
LIMS ID: 05-4658
Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/23/05 14:49
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: 24.0 %
pH: 6.8

CAS Number	Analyte	RI	Result
56-55-3	Benzo (a) anthracene	6.6	9.2
205-99-2	Benzo (b) fluoranthene	6.6	13
50-32-8	Benzo (a) pyrene	6.6	10
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	< 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	54.8%	d5-Phenol	55.5%
2-Fluorophenol	51.5%	d4-2-Chlorophenol	54.1%
d4-1,2-Dichlorobenzene	43.6%	d5-Nitrobenzene	49.6%
2,4,6-Tribromophenol	68.8%	d14-p-Terphenyl	68.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS141-010
SAMPLE

Lab Sample ID: HV76B
LIMS ID: 05-5224
Matrix: Sediment
Data Release Authorized:
Reported: 04/01/05

QC Report No: HV76-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Date Extracted: 03/24/05
Date Analyzed: 03/29/05 19:39
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: 51.7%
pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
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-SS141-010

SAMPLE

Lab Sample ID: HV76B

LIMS ID: 05-5224

Matrix: Sediment

Date Analyzed: 03/29/05 19:39

QC Report No: HV76-Windward Environmental

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	40 J
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	110
129-00-0	Pyrene	59	87
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	35 J
117-81-7	bis(2-Ethylhexyl)phthalate	59	100
218-01-9	Chrysene	59	54 J
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	58 J
207-08-9	Benzo (k) fluoranthene	59	62
50-32-8	Benzo (a) pyrene	59	46 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	62.8%	2-Fluorobiphenyl	64.4%
d14-p-Terphenyl	68.4%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	63.7%	2-Fluorophenol	59.1%
2,4,6-Tribromophenol	68.5%	d4-2-Chlorophenol	63.9%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS141-010
SAMPLE

Lab Sample ID: HV76B

LIMS ID: 05-5224

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/22/05

Date Analyzed: 03/24/05 20:49

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: 51.7 %

pH: 6.7

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	5.8 J
205-99-2	Benzo (b) fluoranthene	6.5	7.1
50-32-8	Benzo (a) pyrene	6.5	7.1
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	9.7 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	65.6%	d5-Phenol	59.5%
2-Fluorophenol	57.9%	d4-2-Chlorophenol	63.5%
d4-1,2-Dichlorobenzene	61.6%	d5-Nitrobenzene	61.6%
2,4,6-Tribromophenol	72.0%	d14-p-Terphenyl	74.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS144-010

SAMPLE

Lab Sample ID: HV76J

LIMS ID: 05-5232

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 18:33

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: 31.4%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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-SS144-010
SAMPLE

Lab Sample ID: HV76J
LIMS ID: 05-5232
Matrix: Sediment
Date Analyzed: 03/29/05 18:33

QC Report No: HV76-Windward Environmental
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	28
120-12-7	Anthracene	20	18 J
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	270
129-00-0	Pyrene	20	240
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	28
218-01-9	Chrysene	20	150
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	140
50-32-8	Benzo (a) pyrene	20	120
193-39-5	Indeno (1,2,3-cd) pyrene	20	68
53-70-3	Dibenz (a,h) anthracene	20	12 J
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 $\mu\text{g}/\text{kg}$ (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	61.2%	2-Fluorobiphenyl	63.6%
d14-p-Terphenyl	68.4%	d4-1,2-Dichlorobenzene	54.4%
d5-Phenol	64.8%	2-Fluorophenol	57.9%
2,4,6-Tribromophenol	74.9%	d4-2-Chlorophenol	63.2%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS144-010
SAMPLE

Lab Sample ID: HV76J
LIMS ID: 05-5232
Matrix: Sediment
Data Release Authorized:
Reported: 03/31/05

QC Report No: HV76-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Date Extracted: 03/22/05
Date Analyzed: 03/29/05 19:25
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.55 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 31.4 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	74
205-99-2	Benzo (b) fluoranthene	6.6	120
50-32-8	Benzo (a) pyrene	6.6	85
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	71
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	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
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	54.4%	d5-Phenol	35.7%
2-Fluorophenol	48.3%	d4-2-Chlorophenol	45.1%
d4-1,2-Dichlorobenzene	45.6%	d5-Nitrobenzene	39.2%
2,4,6-Tribromophenol	52.5%	d14-p-Terphenyl	62.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS145-010

SAMPLE

Lab Sample ID: HV58M

LIMS ID: 05-5118

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/23/05

Date Analyzed: 04/01/05 16:58

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

Sample Amount: 50.6 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 16.6%

pH: 8.2

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	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-SS145-010
SAMPLE

Lab Sample ID: HV58M
LIMS ID: 05-5118
Matrix: Sediment
Date Analyzed: 04/01/05 16:58

QC Report No: HV58-Windward Environmental
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	< 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	< 99 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	82.0%	2-Fluorobiphenyl	70.4%
d14-p-Terphenyl	63.2%	d4-1,2-Dichlorobenzene	63.6%
d5-Phenol	79.2%	2-Fluorophenol	67.5%
2,4,6-Tribromophenol	66.9%	d4-2-Chlorophenol	69.9%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS145-010
SAMPLE

Lab Sample ID: HV58M
LIMS ID: 05-5118
Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/22/05
Date Analyzed: 03/28/05 17:07
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: 16.6 %
pH: 8.2

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	< 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	61.6%	d5-Phenol	46.4%
2-Fluorophenol	52.8%	d4-2-Chlorophenol	52.8%
d4-1,2-Dichlorobenzene	52.8%	d5-Nitrobenzene	59.6%
2,4,6-Tribromophenol	62.1%	d14-p-Terphenyl	79.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS146-10

SAMPLE

Lab Sample ID: HV37L

LIMS ID: 05-4894

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/30/05 23:01

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: 53.4%

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	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	210
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	10 J
606-20-2	2,6-Dinitrotoluene	99	< 99 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS146-10

SAMPLE

Lab Sample ID: HV37L

LIMS ID: 05-4894

Matrix: Sediment

Date Analyzed: 03/30/05 23:01

QC Report No: HV37-Windward Environmental

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	150
86-74-8	Carbazole	20	30
120-12-7	Anthracene	20	27
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	480
129-00-0	Pyrene	20	320
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	130
117-81-7	bis (2-Ethylhexyl) phthalate	20	130 B
218-01-9	Chrysene	20	210
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	280
50-32-8	Benzo (a) pyrene	20	150
193-39-5	Indeno (1,2,3-cd) pyrene	20	67
53-70-3	Dibenz (a, h) anthracene	20	< 20 U
191-24-2	Benzo (g, h, i) perylene	20	57
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.0%	2-Fluorobiphenyl	68.0%
d14-p-Terphenyl	82.4%	d4-1,2-Dichlorobenzene	54.0%
d5-Phenol	78.1%	2-Fluorophenol	68.5%
2,4,6-Tribromophenol	89.1%	d4-2-Chlorophenol	69.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS146-10

Page 1 of 1

SAMPLE

Lab Sample ID: HV37L

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4894

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/09/05

Reported: 03/23/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Sample Amount: 7.69 g-dry-wt

Date Analyzed: 03/21/05 23:15

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 53.4 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	13
205-99-2	Benzo (b) fluoranthene	6.5	20
50-32-8	Benzo (a) pyrene	6.5	12
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 $\mu\text{g}/\text{kg}$ (ppb)

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	72.8%	d5-Phenol	70.4%
2-Fluorophenol	66.4%	d4-2-Chlorophenol	69.9%
d4-1,2-Dichlorobenzene	62.4%	d5-Nitrobenzene	66.0%
2,4,6-Tribromophenol	84.5%	d14-p-Terphenyl	84.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270C GC/MS
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Sample ID: LDW-SS147-10
SAMPLE

Lab Sample ID: HV37M
 LIMS ID: 05-4895
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 04/01/05

QC Report No: HV37-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/09/05
 Date Received: 03/10/05

Date Extracted: 03/18/05
 Date Analyzed: 03/30/05 23:31
 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: 48.6%
 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	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	23
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-SS147-10
SAMPLE

Lab Sample ID: HV37M
LIMS ID: 05-4895
Matrix: Sediment
Date Analyzed: 03/30/05 23:31

QC Report No: HV37-Windward Environmental
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	190
86-74-8	Carbazole	20	20
120-12-7	Anthracene	20	49
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	470
129-00-0	Pyrene	20	360
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	Benzo (a) anthracene	20	160
117-81-7	bis (2-Ethylhexyl) phthalate	20	82 B
218-01-9	Chrysene	20	240
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	210
50-32-8	Benzo (a) pyrene	20	150
193-39-5	Indeno (1,2,3-cd) pyrene	20	65
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	52
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	99	< 99 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.0%	2-Fluorobiphenyl	63.2%
d14-p-Terphenyl	75.6%	d4-1,2-Dichlorobenzene	48.8%
d5-Phenol	74.4%	2-Fluorophenol	67.7%
2,4,6-Tribromophenol	79.7%	d4-2-Chlorophenol	64.5%



ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS
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Sample ID: LDW-SS147-10
SAMPLE

Lab Sample ID: HV37M
LIMS ID: 05-4895
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/23/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/18/05
Date Analyzed: 03/21/05 23:47
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: 48.6 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	28
205-99-2	Benzo (b) fluoranthene	6.5	40
50-32-8	Benzo (a) pyrene	6.5	32
193-39-5	Indeno (1, 2, 3-cd) pyrene	6.5	23
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	72.0%	d5-Phenol	66.4%
2-Fluorophenol	70.7%	d4-2-Chlorophenol	69.9%
d4-1,2-Dichlorobenzene	66.0%	d5-Nitrobenzene	64.0%
2,4,6-Tribromophenol	77.9%	d14-p-Terphenyl	75.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS148-10

SAMPLE

Lab Sample ID: HV37N

LIMS ID: 05-4896

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/31/05 00:02

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: 48.3%

pH: 6.5

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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
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-SS148-10
SAMPLE

Lab Sample ID: HV37N
 LIMS ID: 05-4896
 Matrix: Sediment
 Date Analyzed: 03/31/05 00:02

QC Report No: HV37-Windward Environmental
 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	90
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	330
129-00-0	Pyrene	20	230
85-68-7	Butylbenzylphthalate	20	24
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	110
117-81-7	bis (2-Ethylhexyl) phthalate	20	160 B
218-01-9	Chrysene	20	160
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	210
207-08-9	Benzo (k) fluoranthene	20	230
50-32-8	Benzo (a) pyrene	20	160
193-39-5	Indeno (1,2,3-cd) pyrene	20	67
53-70-3	Dibenz (a,h) anthracene	20	< 20 U
191-24-2	Benzo (g,h,i) perylene	20	59
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	77.2%	2-Fluorobiphenyl	72.8%
d14-p-Terphenyl	76.0%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	82.4%	2-Fluorophenol	73.6%
2,4,6-Tribromophenol	92.8%	d4-2-Chlorophenol	72.3%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS148-10

Page 1 of 1

SAMPLE

Lab Sample ID: HV37N

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4896

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/09/05

Reported: 03/23/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Sample Amount: 7.77 g-dry-wt

Date Analyzed: 03/22/05 00:19

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 48.3 %

pH: 6.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	26
205-99-2	Benzo (b) fluoranthene	6.4	30
50-32-8	Benzo (a) pyrene	6.4	36
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	29
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	71.6%	d5-Phenol	66.9%
2-Fluorophenol	67.2%	d4-2-Chlorophenol	68.0%
d4-1,2-Dichlorobenzene	61.2%	d5-Nitrobenzene	61.6%
2,4,6-Tribromophenol	76.8%	d14-p-Terphenyl	78.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS149-10

SAMPLE

Lab Sample ID: HV370

LIMS ID: 05-4897

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/29/05 21:00

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: 43.1%

pH: 6.9

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
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	81
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	43 J
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-SS149-10

SAMPLE

Lab Sample ID: HV370

LIMS ID: 05-4897

Matrix: Sediment

Date Analyzed: 03/29/05 21:00

QC Report No: HV37-Windward Environmental

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	58 J
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	190
86-74-8	Carbazole	59	< 59 U
120-12-7	Anthracene	59	120
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	1,600
129-00-0	Pyrene	59	760
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo (a) anthracene	59	360
117-81-7	bis (2-Ethylhexyl) phthalate	59	59 B
218-01-9	Chrysene	59	430
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	250
207-08-9	Benzo (k) fluoranthene	59	320
50-32-8	Benzo (a) pyrene	59	230
193-39-5	Indeno (1,2,3-cd) pyrene	59	62
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	48 J
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	73.6%	2-Fluorobiphenyl	69.8%
d14-p-Terphenyl	73.2%	d4-1,2-Dichlorobenzene	53.5%
d5-Phenol	68.2%	2-Fluorophenol	64.0%
2,4,6-Tribromophenol	82.4%	d4-2-Chlorophenol	64.3%



ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS149-10

Page 1 of 1

SAMPLE

Lab Sample ID: HV370

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4897

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/09/05

Reported: 03/23/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Sample Amount: 7.69 g-dry-wt

Date Analyzed: 03/22/05 00:51

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 43.1 %

pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	350
205-99-2	Benzo (b) fluoranthene	6.5	210
50-32-8	Benzo (a) pyrene	6.5	260
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	140
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	67.2%	d5-Phenol	66.7%
2-Fluorophenol	63.2%	d4-2-Chlorophenol	64.0%
d4-1,2-Dichlorobenzene	54.4%	d5-Nitrobenzene	56.8%
2,4,6-Tribromophenol	77.1%	d14-p-Terphenyl	77.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

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Sample ID: LDW-SS150-10

SAMPLE

Lab Sample ID: HV37P

LIMS ID: 05-4898

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/29/05 21:30

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: 36.7%

pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
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-SS150-10
SAMPLE

Lab Sample ID: HV37P
 LIMS ID: 05-4898
 Matrix: Sediment
 Date Analyzed: 03/29/05 21:30

QC Report No: HV37-Windward Environmental
 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	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	83
129-00-0	Pyrene	20	64
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	28
117-81-7	bis (2-Ethylhexyl) phthalate	20	28 B
218-01-9	Chrysene	20	41
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	36
207-08-9	Benzo (k) fluoranthene	20	41
50-32-8	Benzo (a) pyrene	20	33
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 $\mu\text{g}/\text{kg}$ (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	82.0%	2-Fluorobiphenyl	78.4%
d14-p-Terphenyl	78.0%	d4-1,2-Dichlorobenzene	62.0%
d5-Phenol	82.7%	2-Fluorophenol	74.9%
2,4,6-Tribromophenol	89.3%	d4-2-Chlorophenol	73.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS150-10

Page 1 of 1

SAMPLE

Lab Sample ID: HV37P

QC Report No: HV37-Windward Environmental

LIMS ID: 05-4898

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/09/05

Reported: 03/23/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Sample Amount: 7.61 g-dry-wt

Date Analyzed: 03/21/05 16:51

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 36.7 %

pH: 6.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	17
205-99-2	Benzo (b) fluoranthene	6.6	15
50-32-8	Benzo (a) pyrene	6.6	19
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	64.8%	d5-Phenol	62.1%
2-Fluorophenol	63.5%	d4-2-Chlorophenol	63.2%
d4-1,2-Dichlorobenzene	58.0%	d5-Nitrobenzene	58.4%
2,4,6-Tribromophenol	77.3%	d14-p-Terphenyl	77.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS151-010

SAMPLE

Lab Sample ID: HV76I

LIMS ID: 05-5231

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 16:21

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: 10.3%

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	50
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	42
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-SS151-010

SAMPLE

Lab Sample ID: HV76I

LIMS ID: 05-5231

Matrix: Sediment

Date Analyzed: 03/29/05 16:21

QC Report No: HV76-Windward Environmental

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	< 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	98	< 98 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-53-3	Aniline	20	< 20 U
62-75-9	N-Nitrosodimethylamine	98	< 98 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	63.6%
d14-p-Terphenyl	70.4%	d4-1,2-Dichlorobenzene	57.2%
d5-Phenol	62.7%	2-Fluorophenol	57.6%
2,4,6-Tribromophenol	66.7%	d4-2-Chlorophenol	61.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS151-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV76I

QC Report No: HV76-Windward Environmental

LIMS ID: 05-5231

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/15/05

Reported: 05/06/05

Date Received: 03/15/05

Date Extracted: 03/22/05

Sample Amount: 7.64 g-dry-wt

Date Analyzed: 03/29/05 11:56

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 10.3 %

pH: 7.2

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.5	< 6.5 U
205-99-2	Benzo(b)fluoranthene	6.5	< 6.5 U
50-32-8	Benzo(a)pyrene	6.5	< 6.5 U
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	3.3	< 3.3 UJ
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	11 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	61.6%	d5-Phenol	40.0%
2-Fluorophenol	51.2%	d4-2-Chlorophenol	50.4%
d4-1,2-Dichlorobenzene	49.6%	d5-Nitrobenzene	45.2%
2,4,6-Tribromophenol	46.4%	d14-p-Terphenyl	74.4%

ORGANICS ANALYSIS DATA SHEET
Pesticides/PCB by GC/ECD Method 8081A
Page 1 of 1

Sample ID: LDW-SS151-010
SAMPLE

Lab Sample ID: HZ55C
LIMS ID: 05-7273
Matrix: Sediment
Data Release Authorized: 
Reported: 05/03/05

QC Report No: HZ55-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Date Extracted: 04/28/05
Date Analyzed: 04/29/05 20:01
Instrument/Analyst: ECD3/AAR
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: 7.2
Percent Moisture: 10.3%

CAS Number	Analyte	RL	Result
118-74-1	Hexachlorobenzene	0.98	< 0.98 U
87-68-3	Hexachlorobutadiene	0.98	< 0.98 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	66.2%
Tetrachlorometaxylene	68.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS152-010

SAMPLE

Lab Sample ID: HV76H

LIMS ID: 05-5230

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 15:48

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.9 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 18.6%

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-SS152-010

SAMPLE

Lab Sample ID: HV76H

LIMS ID: 05-5230

Matrix: Sediment

Date Analyzed: 03/29/05 15:48

QC Report No: HV76-Windward Environmental

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	< 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	97	< 97 U
56-55-3	Benzo(a)anthracene	19	< 19 U
117-81-7	bis(2-Ethylhexyl)phthalate	19	< 19 U
218-01-9	Chrysene	19	< 19 U
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo(b)fluoranthene	19	< 19 U
207-08-9	Benzo(k)fluoranthene	19	< 19 U
50-32-8	Benzo(a)pyrene	19	< 19 U
193-39-5	Indeno(1,2,3-cd)pyrene	19	< 19 U
53-70-3	Dibenz(a,h)anthracene	19	< 19 U
191-24-2	Benzo(g,h,i)perylene	19	< 19 U
62-53-3	Aniline	19	< 19 U
62-75-9	N-Nitrosodimethylamine	97	< 97 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.2%	2-Fluorobiphenyl	64.8%
d14-p-Terphenyl	80.4%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	64.5%	2-Fluorophenol	57.6%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	62.9%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS152-010
SAMPLE

Lab Sample ID: HV76H
LIMS ID: 05-5230
Matrix: Sediment
Data Release Authorized:
Reported: 03/31/05

QC Report No: HV76-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Date Extracted: 03/22/05
Date Analyzed: 03/30/05 16:47
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.76 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 18.6 %
pH: 7.3

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.4	< 6.4 U
205-99-2	Benzo(b)fluoranthene	6.4	< 6.4 U
50-32-8	Benzo(a)pyrene	6.4	< 6.4 U
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	Benzoic Acid	64	< 64 U
131-11-3	Dimethylphthalate	6.4	< 6.4 U
84-66-2	Diethylphthalate	6.4	8.4 B
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	48.0%	d5-Phenol	46.9%
2-Fluorophenol	39.2%	d4-2-Chlorophenol	43.7%
d4-1,2-Dichlorobenzene	43.6%	d5-Nitrobenzene	56.8%
2,4,6-Tribromophenol	42.1%	d14-p-Terphenyl	61.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS153-010

SAMPLE

Lab Sample ID: HV76G

LIMS ID: 05-5229

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 21:17

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 41.5%

pH: 7.0

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

Page 2 of 2

Sample ID: LDW-SS153-010

SAMPLE

Lab Sample ID: HV76G

LIMS ID: 05-5229

Matrix: Sediment

Date Analyzed: 03/29/05 21:17

QC Report No: HV76-Windward Environmental

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	< 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	47 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	78
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo(a)anthracene	58	32 J
117-81-7	bis(2-Ethylhexyl)phthalate	58	99
218-01-9	Chrysene	58	48 J
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo(b)fluoranthene	58	64
207-08-9	Benzo(k)fluoranthene	58	54 J
50-32-8	Benzo(a)pyrene	58	36 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	< 290 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	62.9%	2-Fluorobiphenyl	66.4%
d14-p-Terphenyl	70.0%	d4-1,2-Dichlorobenzene	60.0%
d5-Phenol	65.0%	2-Fluorophenol	58.2%
2,4,6-Tribromophenol	69.7%	d4-2-Chlorophenol	66.1%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS153-010
SAMPLE

Lab Sample ID: HV76G
LIMS ID: 05-5229
Matrix: Sediment
Data Release Authorized:
Reported: 03/31/05

QC Report No: HV76-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Date Extracted: 03/22/05
Date Analyzed: 03/28/05 20:51
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: 41.5 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	9.2
205-99-2	Benzo (b) fluoranthene	6.6	10
50-32-8	Benzo (a) pyrene	6.6	9.8
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	9.8
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	70.0%	d5-Phenol	46.1%
2-Fluorophenol	56.5%	d4-2-Chlorophenol	56.8%
d4-1,2-Dichlorobenzene	58.8%	d5-Nitrobenzene	68.4%
2,4,6-Tribromophenol	79.7%	d14-p-Terphenyl	82.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS154-010

SAMPLE

Lab Sample ID: HV76F

LIMS ID: 05-5228

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 20:44

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 26.0 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 40.5%

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
Page 2 of 2

Sample ID: LDW-SS154-010
SAMPLE

Lab Sample ID: HV76F
LIMS ID: 05-5228
Matrix: Sediment
Date Analyzed: 03/29/05 20:44

QC Report No: HV76-Windward Environmental
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	< 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	40 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	99
129-00-0	Pyrene	58	80
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	58	34 J
117-81-7	bis (2-Ethylhexyl) phtalate	58	170
218-01-9	Chrysene	58	56 J
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	55 J
207-08-9	Benzo (k) fluoranthene	58	60
50-32-8	Benzo (a) pyrene	58	46 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	< 290 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	59.3%	2-Fluorobiphenyl	61.7%
d14-p-Terphenyl	69.1%	d4-1,2-Dichlorobenzene	55.9%
d5-Phenol	60.2%	2-Fluorophenol	56.0%
2,4,6-Tribromophenol	69.1%	d4-2-Chlorophenol	60.9%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS154-010
SAMPLE

Lab Sample ID: HV76F
LIMS ID: 05-5228
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 03/31/05

QC Report No: HV76-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Date Extracted: 03/22/05
Date Analyzed: 03/28/05 20:19
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.76 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 40.5 %
pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	17
205-99-2	Benzo (b) fluoranthene	6.4	22
50-32-8	Benzo (a) pyrene	6.4	19
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	14
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	63.6%	d5-Phenol	45.1%
2-Fluorophenol	47.2%	d4-2-Chlorophenol	47.5%
d4-1,2-Dichlorobenzene	61.2%	d5-Nitrobenzene	57.6%
2,4,6-Tribromophenol	72.3%	d14-p-Terphenyl	75.6%

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

Sample ID: LDW-SS155-010
SAMPLE

Lab Sample ID: HV76E
 LIMS ID: 05-5227
 Matrix: Sediment
 Data Release Authorized:
 Reported: 04/01/05

QC Report No: HV76-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/15/05

Date Extracted: 03/24/05
 Date Analyzed: 03/29/05 20:11
 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: 31.0%
 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

Page 2 of 2

Sample ID: LDW-SS155-010

SAMPLE

Lab Sample ID: HV76E

LIMS ID: 05-5227

Matrix: Sediment

Date Analyzed: 03/29/05 20:11

QC Report No: HV76-Windward Environmental

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	< 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	33 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	94
129-00-0	Pyrene	58	72
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	< 58 U
218-01-9	Chrysene	58	47 J
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	57 J
207-08-9	Benzo (k) fluoranthene	58	50 J
50-32-8	Benzo (a) pyrene	58	42 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	< 290 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.2%	2-Fluorobiphenyl	60.1%
d14-p-Terphenyl	66.7%	d4-1,2-Dichlorobenzene	54.2%
d5-Phenol	59.5%	2-Fluorophenol	54.2%
2,4,6-Tribromophenol	66.3%	d4-2-Chlorophenol	59.4%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS155-010
SAMPLE

Lab Sample ID: HV76E
LIMS ID: 05-5227
Matrix: Sediment
Data Release Authorized:
Reported: 03/31/05

QC Report No: HV76-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Date Extracted: 03/22/05
Date Analyzed: 03/28/05 19:47
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: 31.0 %
pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	25
205-99-2	Benzo (b) fluoranthene	6.6	28
50-32-8	Benzo (a) pyrene	6.6	30
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	34
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	53.6%	d5-Phenol	34.7%
2-Fluorophenol	37.9%	d4-2-Chlorophenol	42.4%
d4-1,2-Dichlorobenzene	47.2%	d5-Nitrobenzene	48.8%
2,4,6-Tribromophenol	60.3%	d14-p-Terphenyl	59.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS156-010

SAMPLE

Lab Sample ID: HV76D

LIMS ID: 05-5226

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 15:16

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: 20.7%

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-SS156-010

SAMPLE

Lab Sample ID: HV76D

LIMS ID: 05-5226

Matrix: Sediment

Date Analyzed: 03/29/05 15:16

QC Report No: HV76-Windward Environmental

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	< 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	97	< 97 U
56-55-3	Benzo (a) anthracene	20	< 20 U
117-81-7	bis (2-Ethylhexyl) phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	28
207-08-9	Benzo (k) fluoranthene	20	23
50-32-8	Benzo (a) pyrene	20	29
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	31
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	66.0%	2-Fluorobiphenyl	70.0%
d14-p-Terphenyl	80.0%	d4-1,2-Dichlorobenzene	61.2%
d5-Phenol	70.9%	2-Fluorophenol	65.3%
2,4,6-Tribromophenol	78.1%	d4-2-Chlorophenol	68.5%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS156-010
SAMPLE

Lab Sample ID: HV76D
LIMS ID: 05-5226
Matrix: Sediment
Data Release Authorized:
Reported: 03/31/05

QC Report No: HV76-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Date Extracted: 03/22/05
Date Analyzed: 03/28/05 19:15
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.57 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 20.7 %
pH: 7.1

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	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	52.0%	d5-Phenol	37.6%
2-Fluorophenol	45.9%	d4-2-Chlorophenol	48.0%
d4-1,2-Dichlorobenzene	51.6%	d5-Nitrobenzene	55.2%
2,4,6-Tribromophenol	58.7%	d14-p-Terphenyl	71.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS157-010

SAMPLE

Lab Sample ID: HW06F

LIMS ID: 05-5380

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/04/05 14:24

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 44.6%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	58	110
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	770
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	40 J
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	34 J
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	58	86
51-28-5	2,4-Dinitrophenol	580	< 580 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	58	59
606-20-2	2,6-Dinitrotoluene	290	< 290 U

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



Sample ID: LDW-SS157-010
 SAMPLE

Lab Sample ID: HW06F
 LIMS ID: 05-5380
 Matrix: Sediment
 Date Analyzed: 04/04/05 14:24

QC Report No: HW06-Windward Environmental
 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	99
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	1,400
86-74-8	Carbazole	58	260
120-12-7	Anthracene	58	270
84-74-2	Di-n-Butylphthalate	58	91
206-44-0	Fluoranthene	58	3,400
129-00-0	Pyrene	58	2,200
85-68-7	Butylbenzylphthalate	58	77
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	58	1,100
117-81-7	bis (2-Ethylhexyl) phthalate	58	1,200
218-01-9	Chrysene	58	1,500
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	1,900
207-08-9	Benzo (k) fluoranthene	58	1,500
50-32-8	Benzo (a) pyrene	58	1,300
193-39-5	Indeno (1,2,3-cd) pyrene	58	670
53-70-3	Dibenz (a,h) anthracene	58	79
191-24-2	Benzo (g,h,i) perylene	58	510
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	64.9%	2-Fluorobiphenyl	72.2%
d14-p-Terphenyl	70.9%	d4-1,2-Dichlorobenzene	58.9%
d5-Phenol	63.0%	2-Fluorophenol	58.3%
2,4,6-Tribromophenol	74.6%	d4-2-Chlorophenol	63.3%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS157-010
SAMPLE

Lab Sample ID: HW06F
LIMS ID: 05-5380
Matrix: Sediment
Data Release Authorized:
Reported: 03/31/05

QC Report No: HW06-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Date Extracted: 03/22/05
Date Analyzed: 03/29/05 22:36
Instrument/Analyst: NT2/Van
GPC Cleanup: No

Sample Amount: 7.76 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Percent Moisture: 44.6 %
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	320
205-99-2	Benzo (b) fluoranthene	6.4	430
50-32-8	Benzo (a) pyrene	6.4	360
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	320
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	7.7 B
85-68-7	Butylbenzylphthalate	6.4	200
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	7.1
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	78.0%	d5-Phenol	58.4%
2-Fluorophenol	60.8%	d4-2-Chlorophenol	68.5%
d4-1,2-Dichlorobenzene	62.4%	d5-Nitrobenzene	67.2%
2,4,6-Tribromophenol	85.6%	d14-p-Terphenyl	80.4%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS
Page 1 of 2

Sample ID: LDW-SS158-010
SAMPLE

Lab Sample ID: HW06D
LIMS ID: 05-5378
Matrix: Sediment
Data Release Authorized:
Reported: 04/05/05

QC Report No: HW06-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Date Extracted: 03/22/05
Date Analyzed: 04/04/05 13:51
Instrument/Analyst: NT4/LJR
GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 3.00
Percent Moisture: 38.0%
pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
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	290	< 290 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
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	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U

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

Sample ID: LDW-SS158-010
 SAMPLE

Lab Sample ID: HW06D
 LIMS ID: 05-5378
 Matrix: Sediment
 Date Analyzed: 04/04/05 13:51

QC Report No: HW06-Windward Environmental
 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	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
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	290	< 290 U
85-01-8	Phenanthrene	59	310
86-74-8	Carbazole	59	54 J
120-12-7	Anthracene	59	63
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	610
129-00-0	Pyrene	59	500
85-68-7	Butylbenzylphthalate	59	78
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	230
117-81-7	bis (2-Ethylhexyl) phthalate	59	510
218-01-9	Chrysene	59	320
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	290
207-08-9	Benzo (k) fluoranthene	59	310
50-32-8	Benzo (a) pyrene	59	270
193-39-5	Indeno (1,2,3-cd) pyrene	59	170
53-70-3	Dibenz (a, h) anthracene	59	54 J
191-24-2	Benzo (g, h, i) perylene	59	140
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	290	< 290 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	57.4%	2-Fluorobiphenyl	67.6%
d14-p-Terphenyl	62.6%	d4-1,2-Dichlorobenzene	50.3%
d5-Phenol	59.5%	2-Fluorophenol	53.0%
2,4,6-Tribromophenol	72.2%	d4-2-Chlorophenol	59.8%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SS158-010
SAMPLE

Lab Sample ID: HW06D

LIMS ID: 05-5378

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 03/29/05 21:32

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: 38.0 %

pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.4	53
205-99-2	Benzo (b) fluoranthene	6.4	58
50-32-8	Benzo (a) pyrene	6.4	58
193-39-5	Indeno (1,2,3-cd) pyrene	6.4	50
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	19
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	68.8%	d5-Phenol	46.9%
2-Fluorophenol	57.6%	d4-2-Chlorophenol	58.1%
d4-1,2-Dichlorobenzene	52.4%	d5-Nitrobenzene	54.4%
2,4,6-Tribromophenol	74.4%	d14-p-Terphenyl	78.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SS159-010

SAMPLE

Lab Sample ID: HW06E

LIMS ID: 05-5379

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/16/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 22:52

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 39.8%

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
 Page 2 of 2



Sample ID: LDW-SS159-010
 SAMPLE

Lab Sample ID: HW06E
 LIMS ID: 05-5379
 Matrix: Sediment
 Date Analyzed: 04/01/05 22:52

QC Report No: HW06-Windward Environmental
 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	40 J
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	570
86-74-8	Carbazole	58	85
120-12-7	Anthracene	58	90
84-74-2	Di-n-Butylphthalate	58	< 58 U
206-44-0	Fluoranthene	58	2,100
129-00-0	Pyrene	58	1,600
85-68-7	Butylbenzylphthalate	58	< 58 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	58	410
117-81-7	bis (2-Ethylhexyl)phthalate	58	190
218-01-9	Chrysene	58	780
117-84-0	Di-n-Octyl phthalate	58	< 58 U
205-99-2	Benzo (b) fluoranthene	58	740
207-08-9	Benzo (k) fluoranthene	58	600
50-32-8	Benzo (a) pyrene	58	360
193-39-5	Indeno (1,2,3-cd) pyrene	58	140
53-70-3	Dibenz (a,h) anthracene	58	< 58 U
191-24-2	Benzo (g,h,i) perylene	58	120
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	56.8%	2-Fluorobiphenyl	69.7%
d14-p-Terphenyl	82.9%	d4-1,2-Dichlorobenzene	51.5%
d5-Phenol	55.5%	2-Fluorophenol	52.1%
2,4,6-Tribromophenol	67.8%	d4-2-Chlorophenol	60.8%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SS159-010

Page 1 of 1

SAMPLE

Lab Sample ID: HW06E

QC Report No: HW06-Windward Environmental

LIMS ID: 05-5379

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/16/05

Reported: 03/31/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Sample Amount: 7.55 g-dry-wt

Date Analyzed: 03/29/05 22:04

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 39.8 %

pH: 7.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	250
205-99-2	Benzo (b) fluoranthene	6.6	290
50-32-8	Benzo (a) pyrene	6.6	330
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	180
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	30
84-66-2	Diethylphthalate	6.6	< 6.6 U
85-68-7	Butylbenzylphthalate	6.6	24
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	8.0
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	72.4%	d5-Phenol	54.1%
2-Fluorophenol	62.7%	d4-2-Chlorophenol	64.0%
d4-1,2-Dichlorobenzene	58.8%	d5-Nitrobenzene	55.2%
2,4,6-Tribromophenol	79.7%	d14-p-Terphenyl	78.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SSB2b-010

SAMPLE

Lab Sample ID: HV38C

LIMS ID: 05-4924

Matrix: Sediment

Data Release Authorized:

Reported: 03/29/05

QC Report No: HV38-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/11/05

Date Received: 03/11/05

Date Extracted: 03/17/05

Date Analyzed: 03/23/05 21:25

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: 32.7%

pH: 6.9

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	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-SSB2b-010
SAMPLE

Lab Sample ID: HV38C
LIMS ID: 05-4924
Matrix: Sediment
Date Analyzed: 03/23/05 21:25

QC Report No: HV38-Windward Environmental
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	130
86-74-8	Carbazole	20	20
120-12-7	Anthracene	20	54
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	280
129-00-0	Pyrene	20	360
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	350 B
218-01-9	Chrysene	20	180
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	320
207-08-9	Benzo(k)fluoranthene	20	170
50-32-8	Benzo(a)pyrene	20	190
193-39-5	Indeno(1,2,3-cd)pyrene	20	65
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	54
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	64.8%	2-Fluorobiphenyl	70.8%
d14-p-Terphenyl	76.0%	d4-1,2-Dichlorobenzene	51.6%
d5-Phenol	62.1%	2-Fluorophenol	62.1%
2,4,6-Tribromophenol	98.7%	d4-2-Chlorophenol	63.5%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Page 1 of 1

Sample ID: LDW-SSB2b-010

SAMPLE

Lab Sample ID: HV38C

LIMS ID: 05-4924

Matrix: Sediment

Data Release Authorized:

Reported: 03/25/05

QC Report No: HV38-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/11/05

Date Received: 03/11/05

Date Extracted: 03/16/05

Date Analyzed: 03/24/05 19:13

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.74 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 32.7 %

pH: 6.9

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	88
205-99-2	Benzo (b) fluoranthene	6.5	86
50-32-8	Benzo (a) pyrene	6.5	120
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	53
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	8.4
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	64.8%	d5-Phenol	59.7%
2-Fluorophenol	62.1%	d4-2-Chlorophenol	58.4%
d4-1,2-Dichlorobenzene	54.4%	d5-Nitrobenzene	60.8%
2,4,6-Tribromophenol	79.2%	d14-p-Terphenyl	77.6%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SSB4a-010

SAMPLE

Lab Sample ID: HV58J

LIMS ID: 05-5115

Matrix: Sediment

Data Release Authorized:

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/23/05

Date Analyzed: 04/01/05 15:27

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

Sample Amount: 22.8 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 40.9%

pH: 6.7

CAS Number	Analyte	RL	Result
108-95-2	Phenol	44	51 B
111-44-4	Bis-(2-Chloroethyl) Ether	44	< 44 U
95-57-8	2-Chlorophenol	44	< 44 U
541-73-1	1,3-Dichlorobenzene	44	< 44 U
106-46-7	1,4-Dichlorobenzene	44	< 44 U
100-51-6	Benzyl Alcohol	44	< 44 U
95-50-1	1,2-Dichlorobenzene	44	< 44 U
95-48-7	2-Methylphenol	44	< 44 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	44	< 44 U
106-44-5	4-Methylphenol	44	< 44 U
621-64-7	N-Nitroso-Di-N-Propylamine	220	< 220 U
67-72-1	Hexachloroethane	44	< 44 U
98-95-3	Nitrobenzene	44	< 44 U
78-59-1	Isophorone	44	< 44 U
88-75-5	2-Nitrophenol	220	< 220 U
105-67-9	2,4-Dimethylphenol	44	< 44 U
65-85-0	Benzoic Acid	440	< 440 U
111-91-1	bis(2-Chloroethoxy) Methane	44	< 44 U
120-83-2	2,4-Dichlorophenol	220	< 220 U
120-82-1	1,2,4-Trichlorobenzene	44	< 44 U
91-20-3	Naphthalene	44	45
106-47-8	4-Chloroaniline	220	< 220 U
87-68-3	Hexachlorobutadiene	44	< 44 U
59-50-7	4-Chloro-3-methylphenol	220	< 220 U
91-57-6	2-Methylnaphthalene	44	< 44 U
77-47-4	Hexachlorocyclopentadiene	220	< 220 U
88-06-2	2,4,6-Trichlorophenol	220	< 220 U
95-95-4	2,4,5-Trichlorophenol	220	< 220 U
91-58-7	2-Chloronaphthalene	44	< 44 U
88-74-4	2-Nitroaniline	220	< 220 U
131-11-3	Dimethylphthalate	44	< 44 U
208-96-8	Acenaphthylene	44	81
99-09-2	3-Nitroaniline	220	< 220 U
83-32-9	Acenaphthene	44	< 44 U
51-28-5	2,4-Dinitrophenol	440	< 440 U
100-02-7	4-Nitrophenol	220	< 220 U
132-64-9	Dibenzofuran	44	< 44 U
606-20-2	2,6-Dinitrotoluene	220	< 220 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2



Sample ID: LDW-SSB4a-010

SAMPLE

Lab Sample ID: HV58J

LIMS ID: 05-5115

Matrix: Sediment

Date Analyzed: 04/01/05 15:27

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	220	< 220 U
84-66-2	Diethylphthalate	44	< 44 U
7005-72-3	4-Chlorophenyl-phenylether	44	< 44 U
86-73-7	Fluorene	44	< 44 U
100-01-6	4-Nitroaniline	220	< 220 U
534-52-1	4,6-Dinitro-2-Methylphenol	440	< 440 U
86-30-6	N-Nitrosodiphenylamine	44	< 44 U
101-55-3	4-Bromophenyl-phenylether	44	< 44 U
118-74-1	Hexachlorobenzene	44	< 44 U
87-86-5	Pentachlorophenol	220	410
85-01-8	Phenanthrene	44	220
86-74-8	Carbazole	44	< 44 U
120-12-7	Anthracene	44	80
84-74-2	Di-n-Butylphthalate	44	< 44 U
206-44-0	Fluoranthene	44	570
129-00-0	Pyrene	44	540
85-68-7	Butylbenzylphthalate	44	< 44 U
91-94-1	3,3'-Dichlorobenzidine	220	< 220 U
56-55-3	Benzo (a) anthracene	44	270
117-81-7	bis (2-Ethylhexyl)phthalate	44	170
218-01-9	Chrysene	44	470
117-84-0	Di-n-Octyl phthalate	44	< 44 U
205-99-2	Benzo (b) fluoranthene	44	440
207-08-9	Benzo (k) fluoranthene	44	400
50-32-8	Benzo (a) pyrene	44	440
193-39-5	Indeno (1,2,3-cd)pyrene	44	160
53-70-3	Dibenz (a,h) anthracene	44	< 44 U
191-24-2	Benzo (g,h,i) perylene	44	130
62-53-3	Aniline	44	< 44 U
62-75-9	N-Nitrosodimethylamine	220	< 220 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	79.2%	2-Fluorobiphenyl	71.2%
d14-p-Terphenyl	66.4%	d4-1,2-Dichlorobenzene	58.4%
d5-Phenol	79.2%	2-Fluorophenol	68.5%
2,4,6-Tribromophenol	72.3%	d4-2-Chlorophenol	69.6%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SSB4a-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV58J

QC Report No: HV58-Windward Environmental

LIMS ID: 05-5115

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 03/14/05

Reported: 08/31/05

Date Received: 03/14/05

Date Extracted: 03/22/05

Sample Amount: 1.19 g-dry-wt

Date Analyzed: 03/29/05 01:39

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/VTS

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 40.9 %

pH: 6.7

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	42	160
205-99-2	Benzo (b) fluoranthene	42	220
50-32-8	Benzo (a) pyrene	42	260
193-39-5	Indeno (1,2,3-cd) pyrene	42	200
106-46-7	1,4-Dichlorobenzene	42	< 42 U
120-82-1	1,2,4-Trichlorobenzene	42	< 42 U
118-74-1	Hexachlorobenzene	42	< 42 U
87-68-3	Hexachlorobutadiene	42	< 42 U
65-85-0	Benzoic Acid	420	< 420 U
131-11-3	Dimethylphthalate	42	< 42 U
84-66-2	Diethylphthalate	42	< 42 U
85-68-7	Butylbenzylphthalate	42	< 42 U
95-48-7	2-Methylphenol	42	< 42 U
105-67-9	2,4-Dimethylphenol	24	< 24 UJ
86-30-6	N-Nitrosodiphenylamine	42	< 42 U
100-51-6	Benzyl Alcohol	210	< 210 U
87-86-5	Pentachlorophenol	210	< 210 U
95-50-1	1,2-Dichlorobenzene	42	< 42 U
621-64-7	N-Nitroso-Di-N-Propylamine	210	< 210 U
62-75-9	N-Nitrosodimethylamine	210	< 210 U

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

SIM Semivolatile Surrogate Recovery

2-Fluorobiphenyl	67.2%	d5-Phenol	55.2%
2-Fluorophenol	55.2%	d4-2-Chlorophenol	62.4%
d4-1,2-Dichlorobenzene	58.4%	d5-Nitrobenzene	62.4%
2,4,6-Tribromophenol	74.9%	d14-p-Terphenyl	81.2%



ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260B
Page 1 of 1

Sample ID: LDW-SSB4a-010
SAMPLE

Lab Sample ID: II22A
LIMS ID: 05-12417
Matrix: Sediment
Data Release Authorized:
Reported: 07/28/05

QC Report No: II22-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Instrument/Analyst: FINN5/JLM
Date Analyzed: 07/27/05 12:31

Sample Amount: 4.06 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 39.7%

CAS Number	Analyte	RL	Result	Q
120-82-1	1,2,4-Trichlorobenzene	6.2	< 6.2	U

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

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	95.6%
d8-Toluene	100%
Bromofluorobenzene	83.5%
d4-1,2-Dichlorobenzene	97.0%

ORGANICS ANALYSIS DATA SHEET


Volatiles by Purge & Trap GC/MS-Method SW8260B
Page 1 of 1

Sample ID: LDW-SSB4a-010
REANALYSIS

Lab Sample ID: II22A

LIMS ID: 05-12417

Matrix: Sediment

Data Release Authorized: 

Reported: 07/28/05

QC Report No: II22-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Instrument/Analyst: FINN5/JLM

Date Analyzed: 07/27/05 17:42

Sample Amount: 4.07 g-dry-wt

Purge Volume: 5.0 mL

Moisture: 39.7%

CAS Number	Analyte	RL	Result	Q
120-82-1	1,2,4-Trichlorobenzene	6.1	< 6.1	U

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

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	87.5%
d8-Toluene	98.3%
Bromofluorobenzene	82.6%
d4-1,2-Dichlorobenzene	96.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SSB5b-010

SAMPLE

Lab Sample ID: HV58G

LIMS ID: 05-5112

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/23/05

Date Analyzed: 04/01/05 13:57

Instrument/Analyst: NT6/LJR

GPC Cleanup: YES

Sample Amount: 50.8 g-dry-wt

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Percent Moisture: 24.7%

pH: 6.1

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	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	25
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-SSB5b-010

SAMPLE

Lab Sample ID: HV58G

LIMS ID: 05-5112

Matrix: Sediment

Date Analyzed: 04/01/05 13:57

QC Report No: HV58-Windward Environmental

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	28
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	38
120-12-7	Anthracene	20	90
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	740
129-00-0	Pyrene	20	420
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	Benzo (a) anthracene	20	260
117-81-7	bis (2-Ethylhexyl) phthalate	20	100
218-01-9	Chrysene	20	520
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo (b) fluoranthene	20	460
207-08-9	Benzo (k) fluoranthene	20	230
50-32-8	Benzo (a) pyrene	20	220
193-39-5	Indeno (1,2,3-cd) pyrene	20	74
53-70-3	Dibenz (a,h) anthracene	20	28
191-24-2	Benzo (g,h,i) perylene	20	54
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	70.8%
d14-p-Terphenyl	66.0%	d4-1,2-Dichlorobenzene	57.6%
d5-Phenol	81.3%	2-Fluorophenol	69.6%
2,4,6-Tribromophenol	72.0%	d4-2-Chlorophenol	66.7%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SSB5b-010
SAMPLE

Lab Sample ID: HV58G

LIMS ID: 05-5112

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/29/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/22/05

Date Analyzed: 03/29/05 00:03

Instrument/Analyst: NT2/Van

GPC Cleanup: No

Sample Amount: 7.55 g-dry-wt

Final Extract Volume: 0.50 mL

Dilution Factor: 1.00

Percent Moisture: 24.7 %

pH: 6.1

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.6	79
205-99-2	Benzo(b)fluoranthene	6.6	74
50-32-8	Benzo(a)pyrene	6.6	70
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	40
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	66.8%	d5-Phenol	53.1%
2-Fluorophenol	59.5%	d4-2-Chlorophenol	57.6%
d4-1,2-Dichlorobenzene	60.8%	d5-Nitrobenzene	64.8%
2,4,6-Tribromophenol	78.7%	d14-p-Terphenyl	79.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SSB6a-010

SAMPLE

Lab Sample ID: HV72E

LIMS ID: 05-5214

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 17:25

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: 27.9%

pH: 6.8

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	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	33
51-28-5	2,4-Dinitrophenol	190	< 190 U
100-02-7	4-Nitrophenol	97	< 97 U
132-64-9	Dibenzofuran	19	23
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-SSB6a-010

SAMPLE

Lab Sample ID: HV72E

LIMS ID: 05-5214

Matrix: Sediment

Date Analyzed: 04/01/05 17:25

QC Report No: HV72-Windward Environmental

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	80
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	150
86-74-8	Carbazole	19	40
120-12-7	Anthracene	19	430
84-74-2	Di-n-Butylphthalate	19	< 19 U
206-44-0	Fluoranthene	19	130
129-00-0	Pyrene	19	110
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo (a) anthracene	19	55
117-81-7	bis (2-Ethylhexyl) phthalate	19	48
218-01-9	Chrysene	19	150
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo (b) fluoranthene	19	58
207-08-9	Benzo (k) fluoranthene	19	48
50-32-8	Benzo (a) pyrene	19	36
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 $\mu\text{g}/\text{kg}$ (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	71.6%	2-Fluorobiphenyl	73.2%
d14-p-Terphenyl	78.4%	d4-1,2-Dichlorobenzene	67.6%
d5-Phenol	66.1%	2-Fluorophenol	62.7%
2,4,6-Tribromophenol	91.5%	d4-2-Chlorophenol	68.5%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SSB6a-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV72E

QC Report No: HV72-Windward Environmental

LIMS ID: 05-5214

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/15/05

Reported: 03/30/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Sample Amount: 7.61 g-dry-wt

Date Analyzed: 03/29/05 17:17

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 27.9 %

pH: 6.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.6	12
205-99-2	Benzo (b) fluoranthene	6.6	14
50-32-8	Benzo (a) pyrene	6.6	11
193-39-5	Indeno (1,2,3-cd) pyrene	6.6	7.2
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	9.9
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
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	74.0%	d5-Phenol	50.9%
2-Fluorophenol	60.5%	d4-2-Chlorophenol	62.4%
d4-1,2-Dichlorobenzene	63.2%	d5-Nitrobenzene	58.4%
2,4,6-Tribromophenol	68.3%	d14-p-Terphenyl	85.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SSB7a-010

SAMPLE

Lab Sample ID: HW16A

LIMS ID: 05-5438

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HW16-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/18/05

Date Received: 03/18/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 21:50

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.6 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 3.00

Percent Moisture: 50.5%

pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
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	290	< 290 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
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	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 2 of 2

Sample ID: LDW-SSB7a-010

SAMPLE

Lab Sample ID: HW16A

LIMS ID: 05-5438

Matrix: Sediment

Date Analyzed: 03/29/05 21:50

QC Report No: HW16-Windward Environmental

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	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
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	290	< 290 U
85-01-8	Phenanthrene	59	58 J
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	200
129-00-0	Pyrene	59	160
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo (a) anthracene	59	59
117-81-7	bis (2-Ethylhexyl) phthalate	59	150
218-01-9	Chrysene	59	110
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	Benzo (b) fluoranthene	59	120
207-08-9	Benzo (k) fluoranthene	59	110
50-32-8	Benzo (a) pyrene	59	66
193-39-5	Indeno (1,2,3-cd) pyrene	59	36 J
53-70-3	Dibenz (a,h) anthracene	59	< 59 U
191-24-2	Benzo (g,h,i) perylene	59	< 59 U
62-53-3	Aniline	59	< 59 U
62-75-9	N-Nitrosodimethylamine	290	< 290 U

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

Semivolatile Surrogate Recovery

d5-Nitrobenzene	55.3%	2-Fluorobiphenyl	60.2%
d14-p-Terphenyl	67.1%	d4-1,2-Dichlorobenzene	48.8%
d5-Phenol	56.7%	2-Fluorophenol	51.6%
2,4,6-Tribromophenol	69.9%	d4-2-Chlorophenol	56.2%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SSB7a-010
SAMPLE

Lab Sample ID: HW16A
LIMS ID: 05-5438
Matrix: Sediment
Data Release Authorized:
Reported: 03/30/05

QC Report No: HW16-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/18/05
Date Received: 03/18/05

Date Extracted: 03/22/05
Date Analyzed: 03/29/05 18:21
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: 50.5 %
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	14
50-32-8	Benzo (a) pyrene	6.5	12
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
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	70.0%	d5-Phenol	46.9%
2-Fluorophenol	57.9%	d4-2-Chlorophenol	58.7%
d4-1,2-Dichlorobenzene	64.4%	d5-Nitrobenzene	54.4%
2,4,6-Tribromophenol	63.7%	d14-p-Terphenyl	85.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SSB9a-010

SAMPLE

Lab Sample ID: HV76C

LIMS ID: 05-5225

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 18:00

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 25.9 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 32.8%

pH: 7.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	< 19 U
111-44-4	Bis-(2-Chloroethyl) Ether	19	< 19 U
95-57-8	2-Chlorophenol	19	< 19 U
541-73-1	1,3-Dichlorobenzene	19	< 19 U
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	20
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-SSB9a-010

SAMPLE

Lab Sample ID: HV76C

LIMS ID: 05-5225

Matrix: Sediment

Date Analyzed: 03/29/05 18:00

QC Report No: HV76-Windward Environmental

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	37
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	54
129-00-0	Pyrene	19	60
85-68-7	Butylbenzylphthalate	19	< 19 U
91-94-1	3,3'-Dichlorobenzidine	97	< 97 U
56-55-3	Benzo(a)anthracene	19	22
117-81-7	bis(2-Ethylhexyl)phthalate	19	84
218-01-9	Chrysene	19	36
117-84-0	Di-n-Octyl phthalate	19	< 19 U
205-99-2	Benzo(b)fluoranthene	19	35
207-08-9	Benzo(k)fluoranthene	19	29
50-32-8	Benzo(a)pyrene	19	27
193-39-5	Indeno(1,2,3-cd)pyrene	19	21
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 $\mu\text{g}/\text{kg}$ (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	62.8%
d14-p-Terphenyl	65.2%	d4-1,2-Dichlorobenzene	55.6%
d5-Phenol	65.3%	2-Fluorophenol	60.3%
2,4,6-Tribromophenol	72.0%	d4-2-Chlorophenol	62.9%

ORGANICS ANALYSIS DATA SHEET

Semivolatiles by Selected Ion Monitoring GC/MS

Sample ID: LDW-SSB9a-010

Page 1 of 1

SAMPLE

Lab Sample ID: HV76C

QC Report No: HV76-Windward Environmental

LIMS ID: 05-5225

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized:

Date Sampled: 03/15/05

Reported: 03/31/05

Date Received: 03/15/05

Date Extracted: 03/22/05

Sample Amount: 7.74 g-dry-wt

Date Analyzed: 03/28/05 18:43

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 32.8 %

pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo (a) anthracene	6.5	10
205-99-2	Benzo (b) fluoranthene	6.5	15
50-32-8	Benzo (a) pyrene	6.5	12
193-39-5	Indeno (1,2,3-cd) pyrene	6.5	11
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	68.0%	d5-Phenol	46.1%
2-Fluorophenol	56.3%	d4-2-Chlorophenol	53.3%
d4-1,2-Dichlorobenzene	61.2%	d5-Nitrobenzene	61.2%
2,4,6-Tribromophenol	73.3%	d14-p-Terphenyl	80.4%



ORGANICS ANALYSIS DATA SHEET

PSDDA Semivolatiles by SW8270C GC/MS

Page 1 of 2

Sample ID: LDW-SSC1-010

SAMPLE

Lab Sample ID: HV72F

LIMS ID: 05-5215

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 04/05/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Date Analyzed: 04/01/05 17:57

Instrument/Analyst: NT4/LJR

GPC Cleanup: NO

Sample Amount: 26.2 g-dry-wt

Final Extract Volume: 0.5 mL

Dilution Factor: 1.00

Percent Moisture: 27.1%

pH: 6.8

CAS Number	Analyte	RL	Result
108-95-2	Phenol	19	48
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-SSC1-010

SAMPLE

Lab Sample ID: HV72F

LIMS ID: 05-5215

Matrix: Sediment

Date Analyzed: 04/01/05 17:57

QC Report No: HV72-Windward Environmental

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	66.8%	2-Fluorobiphenyl	69.6%
d14-p-Terphenyl	72.0%	d4-1,2-Dichlorobenzene	63.6%
d5-Phenol	61.9%	2-Fluorophenol	62.7%
2,4,6-Tribromophenol	71.7%	d4-2-Chlorophenol	65.1%

ORGANICS ANALYSIS DATA SHEET

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

Sample ID: LDW-SSC1-010
SAMPLE

Lab Sample ID: HV72F

QC Report No: HV72-Windward Environmental

LIMS ID: 05-5215

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *AB*

Date Sampled: 03/15/05

Reported: 05/06/05

Date Received: 03/16/05

Date Extracted: 03/22/05

Sample Amount: 7.66 g-dry-wt

Date Analyzed: 03/29/05 17:49

Final Extract Volume: 0.50 mL

Instrument/Analyst: NT2NT2/Van

Dilution Factor: 1.00

GPC Cleanup: No

Percent Moisture: 27.1 %

pH: 6.8

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	6.5	< 6.5 U
205-99-2	Benzo(b)fluoranthene	6.5	< 6.5 U
50-32-8	Benzo(a)pyrene	6.5	< 6.5 U
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	3.3	< 3.3 UJ
118-74-1	Hexachlorobenzene	6.5	< 6.5 U
87-68-3	Hexachlorobutadiene	6.5	< 6.5 U
65-85-0	Dimethylphthalate	65	< 65 U
131-11-3	Diethylphthalate	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	68.4%	d5-Phenol	42.4%
2-Fluorophenol	55.2%	d4-2-Chlorophenol	57.9%
d4-1,2-Dichlorobenzene	54.8%	d5-Nitrobenzene	50.0%
2,4,6-Tribromophenol	49.1%	d14-p-Terphenyl	79.6%

ORGANICS ANALYSIS DATA SHEET
Pesticides/PCB by GC/ECD Method 8081A
 Page 1 of 1

Sample ID: LDW-SSC1-010
SAMPLE

Lab Sample ID: HZ55E
 LIMS ID: 05-7275
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 05/03/05

QC Report No: HZ55-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/16/05

Date Extracted: 04/28/05
 Date Analyzed: 04/29/05 21:05
 Instrument/Analyst: ECD3/AAR
 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: 6.8
 Percent Moisture: 27.1%

CAS Number	Analyte	RL	Result
118-74-1	Hexachlorobenzene	0.96	< 0.96 U
87-68-3	Hexachlorobutadiene	0.96	< 0.96 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	62.5%
Tetrachlorometaxylene	63.8%

PCBs

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

Sample ID: LDW-SS2-010
SAMPLE

Lab Sample ID: HW06B
 LIMS ID: 05-5376
 Matrix: Sediment
 Data Release Authorized:
 Reported: 04/01/05

QC Report No: HW06-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/16/05
 Date Received: 03/16/05

Date Extracted: 03/22/05
 Date Analyzed: 03/31/05 00:32
 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: 6.9
 Percent Moisture: 41.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	34
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	84
11096-82-5	Aroclor 1260	20	120
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	72.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS3-10


SAMPLE

Lab Sample ID: HV37B

LIMS ID: 05-4884

Matrix: Sediment

Data Release Authorized:

Reported: 03/23/05 

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/21/05 22:06

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: 21.6%

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	23
11097-69-1	Aroclor 1254	20	30
11096-82-5	Aroclor 1260	20	23
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	78.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS6-010

SAMPLE

Lab Sample ID: HV42C

LIMS ID: 05-4927

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/30/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/19/05

Date Analyzed: 03/23/05 22:32

Instrument/Analyst: ECD5/YZ

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: 37.1%

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	700 E
11097-69-1	Aroclor 1254	20	640 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	91.0%
Tetrachlorometaxylene	55.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS6-010
DILUTION

Lab Sample ID: HV42C

LIMS ID: 05-4927

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/30/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/19/05

Date Analyzed: 03/28/05 18:18

Instrument/Analyst: ECD5/YZ

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: 7.2

Percent Moisture: 37.1%

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	740
11097-69-1	Aroclor 1254	99	910
11096-82-5	Aroclor 1260	99	270
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	128%
Tetrachlorometaxylene	67.5%

Sample ID: LDW-SS7-10
SAMPLE

Lab Sample ID: HV37A
LIMS ID: 05-4883
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 03/23/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/18/05
Date Analyzed: 03/21/05 21:49
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: 52.1%

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	62
11097-69-1	Aroclor 1254	19	92
11096-82-5	Aroclor 1260	19	86
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	64.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1



Sample ID: LDW-SS8-010

SAMPLE

Lab Sample ID: HU85K

LIMS ID: 05-4542

Matrix: Sediment

Data Release Authorized: *WW*

Reported: 03/22/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/15/05

Date Analyzed: 03/18/05 15:08

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: 7.3

Percent Moisture: 51.8%

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	61
11097-69-1	Aroclor 1254	20	100
11096-82-5	Aroclor 1260	20	89
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	73.8%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LDW-SS9-010

SAMPLE

Lab Sample ID: HV58D

LIMS ID: 05-5109

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05 *AB*

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 18:43

Instrument/Analyst: ECD5/YZ

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: 6.4

Percent Moisture: 26.9%

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	< 19 U
11097-69-1	Aroclor 1254	19	57
11096-82-5	Aroclor 1260	19	62
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	157%
Tetrachlorometaxylene	83.2%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS11-010
SAMPLE

Lab Sample ID: HV00H
 LIMS ID: 05-4651
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/31/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 14:37
 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: 7.2
 Percent Moisture: 27.3%

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	39	< 39 Y
11097-69-1	Aroclor 1254	19	36
11096-82-5	Aroclor 1260	19	37 P
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	136%
Tetrachlorometaxylene	90.8%

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Sample ID: LDW-SS16-010
SAMPLE

Lab Sample ID: HV001
 LIMS ID: 05-4652
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/31/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 14:54
 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: 7.0
 Percent Moisture: 53.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	58
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	150
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	116%
Tetrachlorometaxylene	77.0%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS19-010

SAMPLE

Lab Sample ID: HV00F

LIMS ID: 05-4649

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/31/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/24/05

Date Analyzed: 03/30/05 14:03

Instrument/Analyst: ECD5/PK

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 14.3 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.1

Percent Moisture: 43.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	35	< 35 U
53469-21-9	Aroclor 1242	35	52
12672-29-6	Aroclor 1248	35	< 35 U
11097-69-1	Aroclor 1254	35	110
11096-82-5	Aroclor 1260	35	95
11104-28-2	Aroclor 1221	35	< 35 U
11141-16-5	Aroclor 1232	35	< 35 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	138%
Tetrachlorometaxylene	84.0%

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 PSDDA PCB by GC/ECD
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Sample ID: LDW-SS205-010
 SAMPLE

Lab Sample ID: HV00G
 LIMS ID: 05-4650
 Matrix: Sediment
 Data Release Authorized: *MS*
 Reported: 03/31/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 14:20
 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: 7.1
 Percent Moisture: 47.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	34
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	86
11096-82-5	Aroclor 1260	20	63
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	68.0%

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Sample ID: LDW-SS21-010
SAMPLE

Lab Sample ID: HV00E
 LIMS ID: 05-4648
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/31/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 13:46
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 15.5 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.2
 Percent Moisture: 39.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	32	< 32 U
53469-21-9	Aroclor 1242	32	98
12672-29-6	Aroclor 1248	32	< 32 U
11097-69-1	Aroclor 1254	32	190
11096-82-5	Aroclor 1260	32	130
11104-28-2	Aroclor 1221	32	< 32 U
11141-16-5	Aroclor 1232	32	< 32 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	131%
Tetrachlorometaxylene	83.8%

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Sample ID: LDW-SS24-010
SAMPLE

Lab Sample ID: HV58C
 LIMS ID: 05-5108
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/31/05

QC Report No: HV58-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/14/05

Date Extracted: 03/24/05
 Date Analyzed: 03/29/05 18:26
 Instrument/Analyst: ECD5/YZ
 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: 6.3
 Percent Moisture: 45.7%

CAS Number	Analyte	RI	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	< 19 U
12672-29-6	Aroclor 1248	61	< 61 Y
11097-69-1	Aroclor 1254	19	190
11096-82-5	Aroclor 1260	19	100
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	19	< 19 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	156%
Tetrachlorometaxylene	83.8%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS25-010

SAMPLE

Lab Sample ID: HV42H

LIMS ID: 05-4932

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/30/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/19/05

Date Analyzed: 03/23/05 23:40

Instrument/Analyst: ECD5/YZ

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 26.1 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 1.00

Silica Gel: No

pH: 7.1

Percent Moisture: 19.8%

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	128%
Tetrachlorometaxylene	91.0%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS29-010

SAMPLE

Lab Sample ID: HV58K

LIMS ID: 05-5116

Matrix: Sediment

Data Release Authorized: 

Reported: 03/31/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 20:42

Instrument/Analyst: ECD5/YZ

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: 6.3

Percent Moisture: 52.9%

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	58
11096-82-5	Aroclor 1260	20	65
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	77.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS30-010

SAMPLE

Lab Sample ID: HV00D

LIMS ID: 05-4647

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/24/05

Date Analyzed: 03/30/05 13:29

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: 7.0

Percent Moisture: 61.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	49
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	120
11096-82-5	Aroclor 1260	20	68
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	104%
Tetrachlorometaxylene	70.8%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS34-010

SAMPLE

Lab Sample ID: HV58I

LIMS ID: 05-5114

Matrix: Sediment

Data Release Authorized: 

Reported: 03/31/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 20:08

Instrument/Analyst: ECD5/YZ

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: 6.7

Percent Moisture: 19.5%

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	133%
Tetrachlorometaxylene	84.8%

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PSDDA PCB by GC/ECD

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
Sample ID: LDW-SS35-010

SAMPLE

Lab Sample ID: HW06G

LIMS ID: 05-5381

Matrix: Sediment

Data Release Authorized: 

Reported: 04/01/05

QC Report No: HW06-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/08/05

Date Extracted: 03/22/05

Date Analyzed: 03/31/05 01:56

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: 6.9

Percent Moisture: 34.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	100
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	320 E
11096-82-5	Aroclor 1260	20	170
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	56.5%

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Sample ID: LDW-SS35-010
 DILUTION

Lab Sample ID: HW06G
 LIMS ID: 05-5381
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 04/01/05

QC Report No: HW06-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/08/05

Date Extracted: 03/22/05
 Date Analyzed: 03/31/05 13:48
 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: 3.00
 Silica Gel: No
 pH: 6.9
 Percent Moisture: 34.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	59	< 59 U
53469-21-9	Aroclor 1242	59	140
12672-29-6	Aroclor 1248	59	< 59 U
11097-69-1	Aroclor 1254	59	340
11096-82-5	Aroclor 1260	59	160
11104-28-2	Aroclor 1221	59	< 59 U
11141-16-5	Aroclor 1232	59	< 59 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	138%
Tetrachlorometaxylene	75.8%

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Sample ID: LDW-SS39-010
SAMPLE

Lab Sample ID: HV38A
 LIMS ID: 05-4922
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 03/31/05

QC Report No: HV38-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/11/05
 Date Received: 03/11/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 17:27
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 4.65 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 6.8
 Percent Moisture: 38.2%

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	110	< 110 U
11097-69-1	Aroclor 1254	110	230
11096-82-5	Aroclor 1260	110	< 110 U
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	132%
Tetrachlorometaxylene	71.0%



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Sample ID: LDW-SS41-010
 SAMPLE

Lab Sample ID: HV00C
 LIMS ID: 05-4646
 Matrix: Sediment
 Data Release Authorized: *AS*
 Reported: 03/31/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 13:12
 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: 7.1
 Percent Moisture: 42.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	39
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	99
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	128%
Tetrachlorometaxylene	80.2%

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Sample ID: LDW-SS45-010

SAMPLE

Lab Sample ID: HV42A

LIMS ID: 05-4925

Matrix: Sediment

Data Release Authorized:

Reported: 03/30/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/19/05

Date Analyzed: 03/23/05 21:58

Instrument/Analyst: ECD5/YZ

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: 52.6%

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	89
11097-69-1	Aroclor 1254	20	110
11096-82-5	Aroclor 1260	20	94
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	132%
Tetrachlorometaxylene	76.8%

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PSDDA PCB by GC/ECD

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
Sample ID: LDW-SS46-010

SAMPLE

Lab Sample ID: HV42B

LIMS ID: 05-4926

Matrix: Sediment

Data Release Authorized: 

Reported: 03/30/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/19/05

Date Analyzed: 03/23/05 22:15

Instrument/Analyst: ECD5/YZ

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: 38.6%

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	91	< 91 Y
11097-69-1	Aroclor 1254	20	170
11096-82-5	Aroclor 1260	20	68
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	73.8%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS47-010

SAMPLE

Lab Sample ID: HV42D

LIMS ID: 05-4928

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/30/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/19/05

Date Analyzed: 03/23/05 22:49

Instrument/Analyst: ECD5/YZ

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: 22.6%

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	45
11096-82-5	Aroclor 1260	20	25
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	91.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS53-010

SAMPLE

Lab Sample ID: HV58H

LIMS ID: 05-5113

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 19:51

Instrument/Analyst: ECD5/YZ

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: 6.0

Percent Moisture: 55.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	60	< 60 Y
12672-29-6	Aroclor 1248	70	< 70 Y
11097-69-1	Aroclor 1254	20	120
11096-82-5	Aroclor 1260	20	95
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	63.2%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS59-010
SAMPLE

Lab Sample ID: HV58F
 LIMS ID: 05-5111
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/31/05

QC Report No: HV58-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/14/05

Date Extracted: 03/24/05
 Date Analyzed: 03/29/05 19:17
 Instrument/Analyst: ECD5/YZ
 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: 6.2
 Percent Moisture: 44.1%

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	27
11096-82-5	Aroclor 1260	20	26
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	63.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LDW-SS61-010
SAMPLE

Lab Sample ID: HV42G

LIMS ID: 05-4931

Matrix: Sediment

Data Release Authorized: *MA*

Reported: 03/30/05

QC Report No: HV42-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/10/05

Date Received: 03/11/05

Date Extracted: 03/19/05

Date Analyzed: 03/23/05 23:23

Instrument/Analyst: ECD5/YZ

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: 7.0

Percent Moisture: 27.3%

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	30
11096-82-5	Aroclor 1260	19	32
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	153%
Tetrachlorometaxylene	82.5%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS62-10
SAMPLE

Lab Sample ID: HV37J
 LIMS ID: 05-4892
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/23/05

QC Report No: HV37-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/09/05
 Date Received: 03/10/05

Date Extracted: 03/18/05
 Date Analyzed: 03/22/05 00:56
 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: 7.3
 Percent Moisture: 56.1%

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	82
11097-69-1	Aroclor 1254	20	140
11096-82-5	Aroclor 1260	20	120
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	70.5%



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 PSDDA PCB by GC/ECD
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Sample ID: LDW-SS207-10
 SAMPLE

Lab Sample ID: HV37K
 LIMS ID: 05-4893
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/23/05

QC Report No: HV37-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/09/05
 Date Received: 03/10/05

Date Extracted: 03/18/05
 Date Analyzed: 03/22/05 01:13
 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: 7.1
 Percent Moisture: 56.6%

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	76
11097-69-1	Aroclor 1254	20	130
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	125%
Tetrachlorometaxylene	70.8%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS65-010
SAMPLE

Lab Sample ID: HV00B
LIMS ID: 05-4645
Matrix: Sediment
Data Release Authorized: 
Reported: 03/31/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/24/05
Date Analyzed: 03/30/05 12:55
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: 39.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	20 J
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	69
11096-82-5	Aroclor 1260	20	52
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	128%
Tetrachlorometaxylene	74.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LDW-SS66-10

SAMPLE

Lab Sample ID: HV37I

LIMS ID: 05-4891

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/23/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/22/05 00:39

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: 56.3%

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	64
11097-69-1	Aroclor 1254	20	110
11096-82-5	Aroclor 1260	20	94
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	124%
Tetrachlorometaxylene	72.2%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS68-010

SAMPLE

Lab Sample ID: HU85J

LIMS ID: 05-4541

Matrix: Sediment

Data Release Authorized: *mm*

Reported: 03/22/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/15/05

Date Analyzed: 03/18/05 14:51

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: 6.8

Percent Moisture: 52.3%

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	52
11097-69-1	Aroclor 1254	20	82
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	127%
Tetrachlorometaxylene	83.8%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS69b-010
SAMPLE

Lab Sample ID: HW06C
LIMS ID: 05-5377
Matrix: Sediment
Data Release Authorized: 
Reported: 04/01/05

QC Report No: HW06-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Date Extracted: 03/22/05
Date Analyzed: 03/31/05 00:49
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: 50.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	82
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	130
11096-82-5	Aroclor 1260	20	130
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	78.2%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS71-010
SAMPLE

Lab Sample ID: HW06A
 LIMS ID: 05-5375
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 04/01/05

QC Report No: HW06-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/16/05

Date Extracted: 03/22/05
 Date Analyzed: 03/31/05 00:15
 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: 6.8
 Percent Moisture: 33.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	200 EP
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	130
11096-82-5	Aroclor 1260	20	98
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	93.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: LDW-SS71-010
 DILUTION

Lab Sample ID: HW06A
 LIMS ID: 05-5375
 Matrix: Sediment
 Data Release Authorized:
 Reported: 04/01/05

QC Report No: HW06-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/16/05

Date Extracted: 03/22/05
 Date Analyzed: 03/31/05 13:31
 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: 3.00
 Silica Gel: No
 pH: 6.8
 Percent Moisture: 33.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	59	< 59 U
53469-21-9	Aroclor 1242	59	200
12672-29-6	Aroclor 1248	59	< 59 U
11097-69-1	Aroclor 1254	59	150
11096-82-5	Aroclor 1260	59	110
11104-28-2	Aroclor 1221	59	< 59 U
11141-16-5	Aroclor 1232	59	< 59 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	134%
Tetrachlorometaxylene	86.2%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS73-010
SAMPLE

Lab Sample ID: HU85B
LIMS ID: 05-4533
Matrix: Sediment
Data Release Authorized: *mm*
Reported: 03/22/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/15/05
Date Analyzed: 03/18/05 12:18
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: 7.3
Percent Moisture: 52.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	39	< 39 Y
12672-29-6	Aroclor 1248	78	< 78 Y
11097-69-1	Aroclor 1254	20	170
11096-82-5	Aroclor 1260	20	64
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	58	< 58 Y

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

PCB Surrogate Recovery

Decachlorobiphenyl	124%
Tetrachlorometaxylene	76.2%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS74-010
SAMPLE

Lab Sample ID: HU85F
LIMS ID: 05-4537
Matrix: Sediment
Data Release Authorized: YWV
Reported: 03/22/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/15/05
Date Analyzed: 03/18/05 13:09
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: 29.1%

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	34
11097-69-1	Aroclor 1254	19	66
11096-82-5	Aroclor 1260	19	66
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	133%
Tetrachlorometaxylene	72.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS77-010

SAMPLE

Lab Sample ID: HV58E

LIMS ID: 05-5110

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 19:00

Instrument/Analyst: ECD5/YZ

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: 6.4

Percent Moisture: 28.8%

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	38
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	80.2%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LDW-SS78-010

SAMPLE

Lab Sample ID: HU85C

LIMS ID: 05-4534

Matrix: Sediment

Data Release Authorized: *MMW*

Reported: 03/22/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/15/05

Date Analyzed: 03/18/05 12:35

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: 6.9

Percent Moisture: 54.4%

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	35
11097-69-1	Aroclor 1254	20	43
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	128%
Tetrachlorometaxylene	81.8%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS81-010

SAMPLE

Lab Sample ID: HV00A

LIMS ID: 05-4644

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/24/05

Date Analyzed: 03/30/05 12:38

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: 7.3

Percent Moisture: 50.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	38
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	100
11096-82-5	Aroclor 1260	20	75
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	79.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS82-010

SAMPLE

Lab Sample ID: HU85D

LIMS ID: 05-4535

Matrix: Sediment

Data Release Authorized: *mmw*

Reported: 03/22/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/15/05

Date Analyzed: 03/18/05 12:52

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: 46.1%

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	62
11097-69-1	Aroclor 1254	20	72
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	131%
Tetrachlorometaxylene	83.5%

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Sample ID: LDW-SS204-010
SAMPLE

Lab Sample ID: HU85G
LIMS ID: 05-4538
Matrix: Sediment
Data Release Authorized: ~~WWW~~
Reported: 03/22/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/15/05
Date Analyzed: 03/18/05 14:00
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: 6.9
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	60
11097-69-1	Aroclor 1254	19	84
11096-82-5	Aroclor 1260	19	62
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	83.0%

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Sample ID: LDW-SS85-010

SAMPLE

Lab Sample ID: HU85A

LIMS ID: 05-4532

Matrix: Sediment

Data Release Authorized: ~~WWW~~

Reported: 03/22/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/15/05

Date Analyzed: 03/18/05 12:01

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: 6.5

Percent Moisture: 35.0%

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	78	< 78 Y
11097-69-1	Aroclor 1254	19	340 E
11096-82-5	Aroclor 1260	19	120
11104-28-2	Aroclor 1221	19	< 19 U
11141-16-5	Aroclor 1232	78	< 78 Y

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

PCB Surrogate Recovery

Decachlorobiphenyl	126%
Tetrachlorometaxylene	94.2%

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Sample ID: LDW-SS85-010
DILUTION

Lab Sample ID: HU85A

LIMS ID: 05-4532

Matrix: Sediment

Data Release Authorized: *FW*

Reported: 03/22/05

QC Report No: HU85-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/07/05

Date Received: 03/07/05

Date Extracted: 03/15/05

Date Analyzed: 03/21/05 10:54

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: 5.00

Silica Gel: No

pH: 6.5

Percent Moisture: 35.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	97	< 97 U
53469-21-9	Aroclor 1242	97	< 97 U
12672-29-6	Aroclor 1248	97	< 97 U
11097-69-1	Aroclor 1254	97	500
11096-82-5	Aroclor 1260	97	130
11104-28-2	Aroclor 1221	97	< 97 U
11141-16-5	Aroclor 1232	97	< 97 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	116%
Tetrachlorometaxylene	87.5%



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Sample ID: LDW-SS86-010
 SAMPLE

Lab Sample ID: HV42I
 LIMS ID: 05-4933
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 03/30/05

QC Report No: HV42-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/10/05
 Date Received: 03/11/05

Date Extracted: 03/19/05
 Date Analyzed: 03/24/05 00:31
 Instrument/Analyst: ECD5/YZ
 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: 7.3
 Percent Moisture: 19.7%

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	24
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	133%
Tetrachlorometaxylene	92.0%

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Sample ID: LDW-SS90-010
SAMPLE

Lab Sample ID: HV58A
 LIMS ID: 05-5106
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 03/31/05

QC Report No: HV58-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/14/05

Date Extracted: 03/24/05
 Date Analyzed: 03/29/05 18:09
 Instrument/Analyst: ECD5/YZ
 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: 6.1
 Percent Moisture: 26.3%

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	54	< 54 Y
11096-82-5	Aroclor 1260	20	54
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	87.0%

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Sample ID: LDW-SS91-010
SAMPLE

Lab Sample ID: HU85H
LIMS ID: 05-4539
Matrix: Sediment
Data Release Authorized: *YW*
Reported: 03/22/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/15/05
Date Analyzed: 03/18/05 14:17
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: 34.0%

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	50
11096-82-5	Aroclor 1260	20	120
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	92.8%

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Sample ID: LDW-SS93-010

SAMPLE

Lab Sample ID: HV72A

LIMS ID: 05-5210

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 22:07

Instrument/Analyst: ECD5/YZ

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: 7.0

Percent Moisture: 56.7%

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	40	< 40 Y
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	100%
Tetrachlorometaxylene	54.0%

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Sample ID: LDW-SS95-10

SAMPLE

Lab Sample ID: HV37C

LIMS ID: 05-4885

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/23/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/21/05 22:57

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: 7.2

Percent Moisture: 43.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	88
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	65
11096-82-5	Aroclor 1260	19	45
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	69.2%

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Sample ID: LDW-SS98-010
SAMPLE

Lab Sample ID: HV76A
LIMS ID: 05-5223
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 04/01/05

QC Report No: HV76-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Date Extracted: 03/22/05
Date Analyzed: 03/30/05 20:51
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes

Sample Amount: 4.47 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.8
Percent Moisture: 40.8%

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	110	< 110 U
11097-69-1	Aroclor 1254	110	72 J
11096-82-5	Aroclor 1260	110	< 110 U
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	132%
Tetrachlorometaxylene	100%

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Sample ID: LDW-SS100-010
SAMPLE

Lab Sample ID: HV38B
 LIMS ID: 05-4923
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 03/31/05

QC Report No: HV38-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/11/05
 Date Received: 03/11/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 17:44
 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: 6.7
 Percent Moisture: 25.1%

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	43
11096-82-5	Aroclor 1260	19	29
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	126%
Tetrachlorometaxylene	104%



Sample ID: LDW-SS103-010
SAMPLE

Lab Sample ID: HU85I
LIMS ID: 05-4540
Matrix: Sediment
Data Release Authorized: *mm*
Reported: 03/22/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/15/05
Date Analyzed: 03/18/05 14:34
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: 6.6
Percent Moisture: 42.4%

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	< 20 U
11097-69-1	Aroclor 1254	20	38
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	129%
Tetrachlorometaxylene	93.8%

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Sample ID: LDW-SS105-010
 SAMPLE

Lab Sample ID: HV00J
 LIMS ID: 05-4653
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/31/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 15:11
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 16.3 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 7.0
 Percent Moisture: 35.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	31	< 31 U
53469-21-9	Aroclor 1242	31	< 31 U
12672-29-6	Aroclor 1248	31	< 31 U
11097-69-1	Aroclor 1254	61	< 61 Y
11096-82-5	Aroclor 1260	31	46
11104-28-2	Aroclor 1221	31	< 31 U
11141-16-5	Aroclor 1232	31	< 31 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	126%
Tetrachlorometaxylene	90.2%

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Sample ID: LDW-SS106-010
SAMPLE

Lab Sample ID: HV00K
 LIMS ID: 05-4654
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/31/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 15:28
 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: 6.8
 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	< 20 U
11097-69-1	Aroclor 1254	20	170
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	131%
Tetrachlorometaxylene	103%

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Sample ID: LDW-SS107-010
SAMPLE

Lab Sample ID: HV58L
 LIMS ID: 05-5117
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/31/05

QC Report No: HV58-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/14/05

Date Extracted: 03/24/05
 Date Analyzed: 03/29/05 20:59
 Instrument/Analyst: ECD5/YZ
 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: 6.2
 Percent Moisture: 44.4%

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	< 20 U
11097-69-1	Aroclor 1254	20	32
11096-82-5	Aroclor 1260	20	89
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	76.8%

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Sample ID: LDW-SS108-010
 SAMPLE

Lab Sample ID: HV42E
 LIMS ID: 05-4929
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 03/30/05

QC Report No: HV42-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/10/05
 Date Received: 03/11/05

Date Extracted: 03/19/05
 Date Analyzed: 03/23/05 23:06
 Instrument/Analyst: ECD5/YZ
 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: 56.3%

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	46
11096-82-5	Aroclor 1260	20	82
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	73.8%

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Sample ID: LDW-SS122-010
SAMPLE

Lab Sample ID: HV00L
 LIMS ID: 05-4655
 Matrix: Sediment
 Data Release Authorized: *MA*
 Reported: 03/31/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 15:45
 Instrument/Analyst: ECD5/PK
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Acid Cleanup: Yes

Sample Amount: 7.87 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: No
 pH: 6.9
 Percent Moisture: 34.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	64	< 64 U
53469-21-9	Aroclor 1242	64	< 64 U
12672-29-6	Aroclor 1248	130	< 130 Y
11097-69-1	Aroclor 1254	64	290
11096-82-5	Aroclor 1260	64	81
11104-28-2	Aroclor 1221	64	< 64 U
11141-16-5	Aroclor 1232	64	< 64 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	121%
Tetrachlorometaxylene	79.2%

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Sample ID: LDW-SS124-010

SAMPLE

Lab Sample ID: HV72B

LIMS ID: 05-5211

Matrix: Sediment

Data Release Authorized: *AA*

Reported: 03/31/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 22:24

Instrument/Analyst: ECD5/YZ

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: 7.1

Percent Moisture: 37.6%

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	134%
Tetrachlorometaxylene	97.0%

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Sample ID: LDW-SS131-010
SAMPLE

Lab Sample ID: HV00M
LIMS ID: 05-4656
Matrix: Sediment
Data Release Authorized:
Reported: 03/31/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/24/05
Date Analyzed: 03/30/05 16:02
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: 6.5
Percent Moisture: 53.3%

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	21 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	124%
Tetrachlorometaxylene	84.0%

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Sample ID: LDW-SS206-010
 SAMPLE

Lab Sample ID: HV00N
 LIMS ID: 05-4657
 Matrix: Sediment
 Data Release Authorized: *AS*
 Reported: 03/31/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/24/05
 Date Analyzed: 03/30/05 16:19
 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: 6.7
 Percent Moisture: 52.7%

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	23
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	128%
Tetrachlorometaxylene	82.8%

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Sample ID: LDW-SS132-10
SAMPLE

Lab Sample ID: HV37H
LIMS ID: 05-4890
Matrix: Sediment
Data Release Authorized:
Reported: 03/23/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/18/05
Date Analyzed: 03/22/05 00:22
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: 60.0%

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	31
11097-69-1	Aroclor 1254	20	52
11096-82-5	Aroclor 1260	20	44
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	73.8%

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Sample ID: LDW-SS133-10

SAMPLE

Lab Sample ID: HV37D

LIMS ID: 05-4886

Matrix: Sediment

Data Release Authorized:

Reported: 03/23/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/21/05 23:14

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: 6.9

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	< 20 U
11097-69-1	Aroclor 1254	20	17 J
11096-82-5	Aroclor 1260	20	19 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	115%
Tetrachlorometaxylene	77.8%

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Sample ID: LDW-SS135-010

SAMPLE

Lab Sample ID: HV72C

LIMS ID: 05-5212

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/31/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 22:41

Instrument/Analyst: ECD5/YZ

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	87	< 87 Y
11097-69-1	Aroclor 1254	20	170
11096-82-5	Aroclor 1260	20	70
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	75.2%

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Sample ID: LDW-SS136-010

SAMPLE

Lab Sample ID: HV72D

LIMS ID: 05-5213

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 03/31/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 22:58

Instrument/Analyst: ECD5/YZ

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: 7.3

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	118%
Tetrachlorometaxylene	84.8%

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Sample ID: LDW-SS137-10
SAMPLE

Lab Sample ID: HV37G
 LIMS ID: 05-4889
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/23/05

QC Report No: HV37-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/09/05
 Date Received: 03/10/05

Date Extracted: 03/18/05
 Date Analyzed: 03/22/05 00:05
 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: 6.9
 Percent Moisture: 57.9%

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	23 J
11097-69-1	Aroclor 1254	20	30
11096-82-5	Aroclor 1260	20	25
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	128%
Tetrachlorometaxylene	81.8%

Sample ID: LDW-SS138-10
SAMPLE

Lab Sample ID: HV37E
LIMS ID: 05-4887
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 03/23/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/18/05
Date Analyzed: 03/21/05 23:31
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: 6.9
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	< 20 U
11097-69-1	Aroclor 1254	20	< 20 U
11096-82-5	Aroclor 1260	20	17 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	122%
Tetrachlorometaxylene	87.8%

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Sample ID: LDW-SS139-10

SAMPLE

Lab Sample ID: HV37F

LIMS ID: 05-4888

Matrix: Sediment

Data Release Authorized:

Reported: 03/23/05 *AB*

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/21/05 23:48

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: 6.8

Percent Moisture: 43.5%

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	< 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	126%
Tetrachlorometaxylene	86.0%

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Sample ID: LDW-SS140-010

SAMPLE

Lab Sample ID: HV000

LIMS ID: 05-4658

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/31/05

QC Report No: HV00-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/08/05

Date Received: 03/09/05

Date Extracted: 03/24/05

Date Analyzed: 03/30/05 16:36

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: 6.8

Percent Moisture: 24.0%

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	< 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	138%
Tetrachlorometaxylene	100%

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Sample ID: LDW-SS141-010

SAMPLE

Lab Sample ID: HV76B

LIMS ID: 05-5224

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/22/05

Date Analyzed: 03/30/05 21:08

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: 6.7

Percent Moisture: 51.7%

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	< 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	139%
Tetrachlorometaxylene	96.8%

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Sample ID: LDW-SS144-010

SAMPLE

Lab Sample ID: HV76J

LIMS ID: 05-5232

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/22/05

Date Analyzed: 03/30/05 23:58

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: 7.0

Percent Moisture: 31.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	190
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	190
11096-82-5	Aroclor 1260	20	100
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	128%
Tetrachlorometaxylene	104%

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Sample ID: LDW-SS145-010

SAMPLE

Lab Sample ID: HV58M

LIMS ID: 05-5118

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 21:16

Instrument/Analyst: ECD5/YZ

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: 8.2

Percent Moisture: 16.6%

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	< 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	134%
Tetrachlorometaxylene	94.2%

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Sample ID: LDW-SS146-10
SAMPLE

Lab Sample ID: HV37L
 LIMS ID: 05-4894
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/23/05

QC Report No: HV37-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/09/05
 Date Received: 03/10/05

Date Extracted: 03/18/05
 Date Analyzed: 03/22/05 01:30
 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: 53.4%

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	< 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	118%
Tetrachlorometaxylene	79.2%

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Sample ID: LDW-SS147-10
SAMPLE

Lab Sample ID: HV37M

LIMS ID: 05-4895

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/23/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/22/05 01:47

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: 7.0

Percent Moisture: 48.6%

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	< 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	122%
Tetrachlorometaxylene	78.0%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS148-10
SAMPLE

Lab Sample ID: HV37N

LIMS ID: 05-4896

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/23/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/22/05 02:04

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: 6.5

Percent Moisture: 48.3%

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	460 E
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	130%
Tetrachlorometaxylene	84.2%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS148-10
DILUTION

Lab Sample ID: HV37N

LIMS ID: 05-4896

Matrix: Sediment

Data Release Authorized: 

Reported: 03/23/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/22/05 13:38

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: 5.00

Silica Gel: No

pH: 6.5

Percent Moisture: 48.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	98	< 98 U
53469-21-9	Aroclor 1242	98	< 98 U
12672-29-6	Aroclor 1248	98	< 98 U
11097-69-1	Aroclor 1254	98	520
11096-82-5	Aroclor 1260	98	< 98 U
11104-28-2	Aroclor 1221	98	< 98 U
11141-16-5	Aroclor 1232	98	< 98 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	135%
Tetrachlorometaxylene	88.8%

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Sample ID: LDW-SS149-10
SAMPLE

Lab Sample ID: HV370

LIMS ID: 05-4897

Matrix: Sediment

Data Release Authorized:

Reported: 03/23/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/22/05 02:21

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: 6.9

Percent Moisture: 43.1%

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	54
11097-69-1	Aroclor 1254	20	44
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	77.0%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LDW-SS150-10

SAMPLE

Lab Sample ID: HV37P

LIMS ID: 05-4898

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 03/23/05

QC Report No: HV37-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/09/05

Date Received: 03/10/05

Date Extracted: 03/18/05

Date Analyzed: 03/22/05 02:38

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: 6.8

Percent Moisture: 36.7%

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	24
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	140%
Tetrachlorometaxylene	79.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS151-010

SAMPLE

Lab Sample ID: HV76I

LIMS ID: 05-5231

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/22/05

Date Analyzed: 03/30/05 23:07

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: 10.3%

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	< 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	148%
Tetrachlorometaxylene	110%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS152-010

SAMPLE

Lab Sample ID: HV76H

LIMS ID: 05-5230

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/22/05

Date Analyzed: 03/30/05 22:50

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: 7.3

Percent Moisture: 18.6%

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	127%
Tetrachlorometaxylene	110%



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 PSDDA PCB by GC/ECD
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Sample ID: LDW-SS153-010
 SAMPLE

Lab Sample ID: HV76G
 LIMS ID: 05-5229
 Matrix: Sediment
 Data Release Authorized:
 Reported: 04/01/05

QC Report No: HV76-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/15/05

Date Extracted: 03/22/05
 Date Analyzed: 03/30/05 22:33
 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: 7.0
 Percent Moisture: 41.5%

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	< 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	150%
Tetrachlorometaxylene	106%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS154-010
SAMPLE

Lab Sample ID: HV76F

LIMS ID: 05-5228

Matrix: Sediment

Data Release Authorized: *AS*

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/22/05

Date Analyzed: 03/30/05 22:16

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: 40.5%

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	138%
Tetrachlorometaxylene	96.5%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS155-010
SAMPLE

Lab Sample ID: HV76E
 LIMS ID: 05-5227
 Matrix: Sediment
 Data Release Authorized:
 Reported: 04/01/05

QC Report No: HV76-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/15/05

Date Extracted: 03/22/05
 Date Analyzed: 03/30/05 21:59
 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: 31.0%

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	< 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	140%
Tetrachlorometaxylene	99.2%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SS156-010

SAMPLE

Lab Sample ID: HV76D

LIMS ID: 05-5226

Matrix: Sediment

Data Release Authorized:

Reported: 04/01/05

QC Report No: HV76-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/15/05

Date Extracted: 03/22/05

Date Analyzed: 03/30/05 21:42

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: 7.1

Percent Moisture: 20.7%

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	< 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	130%
Tetrachlorometaxylene	108%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS157-010
SAMPLE

Lab Sample ID: HW06F
 LIMS ID: 05-5380
 Matrix: Sediment
 Data Release Authorized:
 Reported: 04/01/05

QC Report No: HW06-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/16/05
 Date Received: 03/16/05

Date Extracted: 03/22/05
 Date Analyzed: 03/31/05 01:40
 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: 7.0
 Percent Moisture: 44.6%

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	150
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	39	< 39 Y

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

PCB Surrogate Recovery

Decachlorobiphenyl	124%
Tetrachlorometaxylene	82.8%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS158-010
SAMPLE

Lab Sample ID: HW06D
LIMS ID: 05-5378
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 04/01/05

QC Report No: HW06-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Date Extracted: 03/22/05
Date Analyzed: 03/31/05 01:06
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: 7.0
Percent Moisture: 38.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	20	< 20 U
53469-21-9	Aroclor 1242	20	61
12672-29-6	Aroclor 1248	20	< 20 U
11097-69-1	Aroclor 1254	20	190
11096-82-5	Aroclor 1260	20	140
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	82.0%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SS159-010
 SAMPLE

Lab Sample ID: HW06E
 LIMS ID: 05-5379
 Matrix: Sediment
 Data Release Authorized:
 Reported: 04/01/05

QC Report No: HW06-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/16/05
 Date Received: 03/16/05

Date Extracted: 03/22/05
 Date Analyzed: 03/31/05 01:23
 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: 39.8%

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	96
11096-82-5	Aroclor 1260	20	77
11104-28-2	Aroclor 1221	20	< 20 U
11141-16-5	Aroclor 1232	39	< 39 Y

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

PCB Surrogate Recovery

Decachlorobiphenyl	139%
Tetrachlorometaxylene	91.5%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SSB2b-010

SAMPLE

Lab Sample ID: HV38C

LIMS ID: 05-4924

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HV38-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/11/05

Date Received: 03/11/05

Date Extracted: 03/24/05

Date Analyzed: 03/30/05 18:01

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: 6.9

Percent Moisture: 32.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	400 E
12672-29-6	Aroclor 1248	19	< 19 U
11097-69-1	Aroclor 1254	19	240 E
11096-82-5	Aroclor 1260	19	130
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	115%
Tetrachlorometaxylene	70.8%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: LDW-SSB2b-010
 DILUTION

Lab Sample ID: HV38C
 LIMS ID: 05-4924
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/31/05

QC Report No: HV38-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/11/05
 Date Received: 03/11/05

Date Extracted: 03/24/05
 Date Analyzed: 03/31/05 12:57
 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: 5.00
 Silica Gel: No
 pH: 6.9
 Percent Moisture: 32.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	97	< 97 U
53469-21-9	Aroclor 1242	97	400
12672-29-6	Aroclor 1248	97	< 97 U
11097-69-1	Aroclor 1254	97	260
11096-82-5	Aroclor 1260	97	140
11104-28-2	Aroclor 1221	97	< 97 U
11141-16-5	Aroclor 1232	97	< 97 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	118%
Tetrachlorometaxylene	75.0%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SSB4a-010

SAMPLE

Lab Sample ID: HV58J

LIMS ID: 05-5115

Matrix: Sediment

Data Release Authorized:

Reported: 03/31/05

QC Report No: HV58-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/14/05

Date Received: 03/14/05

Date Extracted: 03/24/05

Date Analyzed: 03/30/05 19:43

Instrument/Analyst: ECD5/YZ

GPC Cleanup: No

Sulfur Cleanup: Yes

Acid Cleanup: Yes

Sample Amount: 25.7 g-dry-wt

Final Extract Volume: 5.0 mL

Dilution Factor: 5.00

Silica Gel: No

pH: 6.7

Percent Moisture: 40.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	97	< 97 U
53469-21-9	Aroclor 1242	97	< 97 U
12672-29-6	Aroclor 1248	97	< 97 U
11097-69-1	Aroclor 1254	97	490
11096-82-5	Aroclor 1260	97	320
11104-28-2	Aroclor 1221	97	< 97 U
11141-16-5	Aroclor 1232	97	< 97 U

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

PCB Surrogate Recovery

Decachlorobiphenyl	128%
Tetrachlorometaxylene	83.8%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SSB5b-010
SAMPLE

Lab Sample ID: HV58G
 LIMS ID: 05-5112
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/31/05

QC Report No: HV58-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/14/05

Date Extracted: 03/24/05
 Date Analyzed: 03/29/05 19:34
 Instrument/Analyst: ECD5/YZ
 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: 6.1
 Percent Moisture: 24.7%

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	28
11097-69-1	Aroclor 1254	19	50
11096-82-5	Aroclor 1260	19	29
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	134%
Tetrachlorometaxylene	72.8%

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PSDDA PCB by GC/ECD

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Sample ID: LDW-SSB6a-010

SAMPLE

Lab Sample ID: HV72E

LIMS ID: 05-5214

Matrix: Sediment

Data Release Authorized: *MS*

Reported: 03/31/05

QC Report No: HV72-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 03/15/05

Date Received: 03/16/05

Date Extracted: 03/24/05

Date Analyzed: 03/29/05 23:15

Instrument/Analyst: ECD5/YZ

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: 6.8

Percent Moisture: 27.9%

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	50	< 50 Y
11097-69-1	Aroclor 1254	19	90
11096-82-5	Aroclor 1260	19	63
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	71.8%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SSB7a-010
 SAMPLE

Lab Sample ID: HW16A
 LIMS ID: 05-5438
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 04/01/05

QC Report No: HW16-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/18/05
 Date Received: 03/18/05

Date Extracted: 03/24/05
 Date Analyzed: 03/29/05 23:49
 Instrument/Analyst: ECD5/YZ
 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: 50.5%

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	40
11096-82-5	Aroclor 1260	20	64
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	69.5%

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PSDDA PCB by GC/ECD
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Sample ID: LDW-SSB9a-010
SAMPLE

Lab Sample ID: HV76C
LIMS ID: 05-5225
Matrix: Sediment
Data Release Authorized:
Reported: 04/01/05

QC Report No: HV76-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Date Extracted: 03/22/05
Date Analyzed: 03/30/05 21:25
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: 7.0
Percent Moisture: 32.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	19	< 19 U
53469-21-9	Aroclor 1242	19	100
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	141%
Tetrachlorometaxylene	103%



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

Sample ID: LDW-SSC1-010
 SAMPLE

Lab Sample ID: HV72F
 LIMS ID: 05-5215
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/31/05

QC Report No: HV72-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/16/05

Date Extracted: 03/24/05
 Date Analyzed: 03/29/05 23:32
 Instrument/Analyst: ECD5/YZ
 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: 27.1%

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	126%
Tetrachlorometaxylene	93.2%

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

Sample ID: DRD-SS7-010
SAMPLE

Lab Sample ID: HR49G
LIMS ID: 05-2449
Matrix: Sediment
Data Release Authorized:
Reported: 02/15/05

QC Report No: HR49-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Date Extracted: 02/09/05
Date Analyzed: 02/14/05 15:14
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: 6.3
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	< 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	94.8%
Tetrachlorometaxylene	94.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: EB-SS2a-010

SAMPLE

Lab Sample ID: HR49D

LIMS ID: 05-2446

Matrix: Sediment

Data Release Authorized: 

Reported: 02/15/05

QC Report No: HR49-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/02/05

Date Received: 02/03/05

Date Extracted: 02/09/05

Date Analyzed: 02/14/05 14:12

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: 6.0

Percent Moisture: 34.3%

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	37
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	97.0%
Tetrachlorometaxylene	69.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: EB-SS2b-010
SAMPLE

Lab Sample ID: HR49L

LIMS ID: 05-2454

Matrix: Sediment

Data Release Authorized: *AB*

Reported: 02/15/05

QC Report No: HR49-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/02/05

Date Received: 02/03/05

Date Extracted: 02/09/05

Date Analyzed: 02/14/05 17:36

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: 6.1

Percent Moisture: 37.9%

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	48
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	103%
Tetrachlorometaxylene	67.8%

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

Sample ID: LU-SS9a-010
 SAMPLE

Lab Sample ID: HR49H
 LIMS ID: 05-2450
 Matrix: Sediment
 Data Release Authorized:
 Reported: 02/15/05

QC Report No: HR49-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 01/31/05
 Date Received: 02/03/05

Date Extracted: 02/09/05
 Date Analyzed: 02/14/05 15:34
 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: 7.0
 Percent Moisture: 18.4%

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	48
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	101%
Tetrachlorometaxylene	78.0%



ORGANICS ANALYSIS DATA SHEET
 PSDDA PCB by GC/ECD
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Sample ID: LU-SS9b-010
 SAMPLE

Lab Sample ID: HR49I
 LIMS ID: 05-2451
 Matrix: Sediment
 Data Release Authorized: *MS*
 Reported: 02/15/05

QC Report No: HR49-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 02/01/05
 Date Received: 02/03/05

Date Extracted: 02/09/05
 Date Analyzed: 02/14/05 16:35
 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: 6.5
 Percent Moisture: 71.4%

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	< 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	82.2%
Tetrachlorometaxylene	73.5%

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

Sample ID: LW-SS3-010
SAMPLE

Lab Sample ID: HR49E
LIMS ID: 05-2447
Matrix: Sediment
Data Release Authorized: 
Reported: 02/15/05

QC Report No: HR49-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Date Extracted: 02/09/05
Date Analyzed: 02/14/05 14:33
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: 6.6
Percent Moisture: 70.8%

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	97.5%
Tetrachlorometaxylene	71.5%

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

Sample ID: LW-SS6-010
SAMPLE

Lab Sample ID: HR49K
LIMS ID: 05-2453
Matrix: Sediment
Data Release Authorized: 
Reported: 02/15/05

QC Report No: HR49-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Date Extracted: 02/09/05
Date Analyzed: 02/14/05 17:15
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: 6.5
Percent Moisture: 69.4%

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	< 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	81.8%
Tetrachlorometaxylene	60.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

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Sample ID: LW-SS4-010

SAMPLE

Lab Sample ID: HS56B

QC Report No: HS56-Windward Environmental

LIMS ID: 05-3081

Project: LDW RI-Surface Sediment Chemistry

Matrix: Sediment

04-08-06-24

Data Release Authorized: *[Signature]*

Date Sampled: 02/08/05

Reported: 08/09/05

Date Received: 02/11/05

Date Extracted: 02/18/05

Sample Amount: 25.0 g-dry-wt

Date Analyzed: 02/22/05 11:41

Final Extract Volume: 5.0 mL

Instrument/Analyst: ECD5/PK

Dilution Factor: 1.00

GPC Cleanup: No

Silica Gel: No

Sulfur Cleanup: Yes

pH: 9.1

Acid Cleanup: Yes

Percent Moisture: 85.7%

Florisil Cleanup: No

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	67.8%
Tetrachlorometaxylene	70.5%

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: LW-SS5a-010
SAMPLE

Lab Sample ID: HS56C
LIMS ID: 05-3082
Matrix: Sediment
Data Release Authorized: 
Reported: 03/03/05

QC Report No: HS56-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 02/08/05
Date Received: 02/11/05

Date Extracted: 02/18/05
Date Analyzed: 02/22/05 12:01
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: 8.2
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	< 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	95.8%
Tetrachlorometaxylene	63.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: LW-SS5b-010

SAMPLE

Lab Sample ID: HS56D

LIMS ID: 05-3083

Matrix: Sediment

Data Release Authorized: *[Signature]*

Reported: 03/03/05

QC Report No: HS56-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/08/05

Date Received: 02/11/05

Date Extracted: 02/18/05

Date Analyzed: 02/22/05 13:02

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: 7.8

Percent Moisture: 70.9%

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	< 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	88.8%
Tetrachlorometaxylene	68.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1


Sample ID: SB-SS6-010

SAMPLE

Lab Sample ID: HR49F

LIMS ID: 05-2448

Matrix: Sediment

Data Release Authorized: 

Reported: 02/15/05

QC Report No: HR49-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 01/31/05

Date Received: 02/03/05

Date Extracted: 02/09/05

Date Analyzed: 02/14/05 14:53

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: 6.5

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	88.5%
Tetrachlorometaxylene	75.2%

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

Sample ID: SC-SS1a-010
SAMPLE

Lab Sample ID: HR49C
LIMS ID: 05-2445
Matrix: Sediment
Data Release Authorized: *AP*
Reported: 02/15/05

QC Report No: HR49-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Date Extracted: 02/09/05
Date Analyzed: 02/14/05 13:52
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: 6.1
Percent Moisture: 46.9%

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	100
11097-69-1	Aroclor 1254	20	160
11096-82-5	Aroclor 1260	78	< 78 Y
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	93.0%
Tetrachlorometaxylene	54.2%

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

Sample ID: SC-SS1b-010
SAMPLE

Lab Sample ID: HS56E
LIMS ID: 05-3084
Matrix: Sediment
Data Release Authorized:
Reported: 03/03/05

QC Report No: HS56-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 02/10/05
Date Received: 02/11/05

Date Extracted: 02/18/05
Date Analyzed: 02/22/05 13:22
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: 8.7
Percent Moisture: 70.0%

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	65 P
11097-69-1	Aroclor 1254	20	98
11096-82-5	Aroclor 1260	20	73 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	74.8%
Tetrachlorometaxylene	42.5%

ORGANICS ANALYSIS DATA SHEET

PSDDA PCB by GC/ECD

Page 1 of 1

Sample ID: UB-SS8-010

SAMPLE

Lab Sample ID: HR49J

LIMS ID: 05-2452

Matrix: Sediment

Data Release Authorized: *MS*

Reported: 02/15/05

QC Report No: HR49-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/02/05

Date Received: 02/03/05

Date Extracted: 02/09/05

Date Analyzed: 02/14/05 16:55

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: 6.4

Percent Moisture: 82.2%

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	54.0%
Tetrachlorometaxylene	35.2%

Pentachlorophenol

ORGANICS ANALYSIS DATA SHEET

PCP by GC/ECD Method SW8041

Page 1 of 1

Sample ID: SC-SS1a-010

SAMPLE

Lab Sample ID: HR49C

LIMS ID: 05-2445

Matrix: Sediment

Data Release Authorized:

Reported: 02/21/05

QC Report No: HR49-Windward Environmental

Project: LDW RI-Surface Sediment Chemistry

04-08-06-24

Date Sampled: 02/01/05

Date Received: 02/03/05

Date Extracted: 02/09/05

Date Analyzed: 02/14/05 14:04

Instrument/Analyst: ECD1/AAR

Sample Amount: 7.98 g-dry-wt

Final Extract Volume: 25 mL

Dilution Factor: 1.00

Percent Moisture: 46.9%

pH: 6.1

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	7.8	< 7.8 U


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

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	83.6%
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ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: SC-SS1b-010
SAMPLE

Lab Sample ID: HS56E
LIMS ID: 05-3084
Matrix: Sediment
Data Release Authorized: 
Reported: 03/03/05

QC Report No: HS56-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 02/10/05
Date Received: 02/11/05

Date Extracted: 02/18/05
Date Analyzed: 02/24/05 16:13
Instrument/Analyst: ECD1/YZ

Sample Amount: 3.01 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 70.0%
pH: 8.7

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	21	< 21 U
Reported in $\mu\text{g}/\text{kg}$ (ppb)			
Chlorophenol Surrogate Recovery			
	2,4,6-Tribromophenol	56.4%	

Dioxins and Furans

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-14-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	17-Jan-2005 12:04
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7601-1 (A)
Sample Receipt Date: 01-Feb-2005	Sample Size:	11.2 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date:	20-Feb-2005
Analysis Date: 24-Feb-2005	Instrument ID:	HR GC/MS
Time: 12:29:55	GC Column ID:	DB-5
Extract Volume (µL): 20	Sample Datafile:	DX52_093 S:5
Injection Volume (µL): 1.0	Blank Data Filename:	DX52_092 S:5
Dilution Factor: N/A	Cal. Ver. Data Filename:	DX52_093 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture:	19.5

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	KJ	0.090	0.0445	0.39	1.001
1,2,3,7,8-PeCDD ³	J	0.264	0.0445	0.62	1.001
1,2,3,4,7,8-HxCDD	J	0.366	0.0445	1.34	1.000
1,2,3,6,7,8-HxCDD	J	1.34	0.0445	1.29	1.000
1,2,3,7,8,9-HxCDD	J	1.03	0.0445	1.25	1.010
1,2,3,4,6,7,8-HpCDD	B	27.9	0.0522	1.06	1.000
OCDD	B	219	0.163	0.90	1.000
2,3,7,8-TCDF		0.914	0.0445	0.78	1.001
1,2,3,7,8-PeCDF	J	0.187	0.0445	1.68	1.000
2,3,4,7,8-PeCDF	JB	0.375	0.0445	1.43	1.000
1,2,3,4,7,8-HxCDF	J	0.665	0.0445	1.31	1.000
1,2,3,6,7,8-HxCDF	J	0.322	0.0445	1.20	1.000
1,2,3,7,8,9-HxCDF	U		0.0445		
2,3,4,6,7,8-HxCDF	J	0.268	0.0445	1.29	1.000
1,2,3,4,6,7,8-HpCDF		6.81	0.0780	1.07	1.000
1,2,3,4,7,8,9-HpCDF	J	0.446	0.0780	1.10	1.000
OCDF	B	14.2	0.105	0.91	1.002
Total Tetra-Dioxins		1.03	0.0445		
Total Penta-Dioxins		1.58	0.0445		
Total Hexa-Dioxins		9.86	0.0445		
Total Hepta-Dioxins	B	62.8	0.0522		
Total Tetra-Furans		6.22	0.0445		
Total Penta-Furans		5.69	0.0445		
Total Hexa-Furans		8.85	0.0445		
Total Hepta-Furans		19.0	0.0780		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD2_1.xls, S3

Approved by: _____



QA/QC Chemist

30-03-2005
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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-14-010
(DUPLICATE)

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 17-Jan-2005 12:04
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: WG15017-103 (DUP L7601-1)
Sample Receipt Date: 01-Feb-2005	Sample Size: 10.5 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 24-Feb-2005	Instrument ID: HR GC/MS
Time: 11:35:24	GC Column ID: DB-5
Extract Volume (µL): 20	Sample Datafile: DX52_093 S:4
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: N/A	Cal. Ver. Data Filename: DX52_093 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 17.5

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	KJ	0.088	0.0474	0.42	1.001
1,2,3,7,8-PeCDD ³	J	0.303	0.0474	0.69	1.001
1,2,3,4,7,8-HxCDD	J	0.397	0.0600	1.35	1.000
1,2,3,6,7,8-HxCDD	J	2.11	0.0600	1.22	1.000
1,2,3,7,8,9-HxCDD	J	1.35	0.0600	1.24	1.010
1,2,3,4,6,7,8-HpCDD	B	54.9	0.0920	1.04	1.000
OCDD	B	374	0.100	0.90	1.000
2,3,7,8-TCDF	J	0.931	0.0474	0.79	1.001
1,2,3,7,8-PeCDF	J	0.240	0.0474	1.36	1.001
2,3,4,7,8-PeCDF	JB	0.408	0.0474	1.48	1.000
1,2,3,4,7,8-HxCDF	J	0.722	0.0474	1.28	1.000
1,2,3,6,7,8-HxCDF	J	0.348	0.0474	1.24	1.000
1,2,3,7,8,9-HxCDF	J	0.073	0.0474	1.31	1.000
2,3,4,6,7,8-HxCDF	J	0.346	0.0474	1.33	1.000
1,2,3,4,6,7,8-HpCDF	J	6.61	0.0850	1.04	1.000
1,2,3,4,7,8,9-HpCDF	J	0.396	0.0850	1.12	1.000
OCDF	B	10.8	0.0830	0.89	1.002
Total Tetra-Dioxins		1.02	0.0474		
Total Penta-Dioxins		2.04	0.0474		
Total Hexa-Dioxins		25.4	0.0600		
Total Hepta-Dioxins	B	211	0.0920		
Total Tetra-Furans		6.14	0.0474		
Total Penta-Furans		5.86	0.0474		
Total Hexa-Furans		11.4	0.0474		
Total Hepta-Furans		19.3	0.0850		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

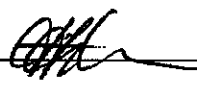
(2) Contract-required limits for RRTs and Ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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QA/QC Chemist

30-03-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS18-010

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 09-Feb-2005
Extraction Date: 21-Feb-2005
Analysis Date: 29-Mar-2005 Time: 13:35:25
Extract Volume (µL): 20
Injection Volume (µL): 1.0
Dilution Factor: N/A
Concentration Units: ng/kg (dry weight basis)

Sample Collection: 01-Feb-2005 12:54
Project No.: 04-08-06-24
Lab Sample ID: L7611-12 i
Sample Size: 10.5 g (dry)
Initial Calibration Date: 20-Feb-2005
Instrument ID: HR GC/MS
GC Column ID: DB-5
Sample Datafile: DX52_148 S:7
Blank Data Filename: DX52_127 S:5
Cal. Ver. Data Filename: DX52_148 S:1
% Moisture: 13.1

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	KJ	0.066	0.0480	0.41	1.001
1,2,3,7,8-PeCDD ³	KJ	0.100	0.0480	0.83	1.001
1,2,3,4,7,8-HxCDD	J	0.193	0.0480	1.16	1.000
1,2,3,6,7,8-HxCDD	J	0.978	0.0480	1.27	1.000
1,2,3,7,8,9-HxCDD	J	0.537	0.0480	1.26	1.010
1,2,3,4,6,7,8-HpCDD	B	25.5	0.0939	1.02	1.000
OCDD	B	203	0.0506	0.89	1.000
2,3,7,8-TCDF	J	0.480	0.0480	0.79	1.002
1,2,3,7,8-PeCDF	J	0.095	0.0480	1.56	1.000
2,3,4,7,8-PeCDF	J	0.212	0.0480	1.68	1.000
1,2,3,4,7,8-HxCDF	J	0.513	0.0590	1.30	1.000
1,2,3,6,7,8-HxCDF	J	0.174	0.0590	1.14	1.000
1,2,3,7,8,9-HxCDF	U		0.0590		
2,3,4,6,7,8-HxCDF	J	0.155	0.0590	1.20	1.000
1,2,3,4,6,7,8-HpCDF		5.18	0.0480	1.06	1.000
1,2,3,4,7,8,9-HpCDF	J	0.385	0.0480	1.16	1.000
OCDF	B	14.7	0.0480	0.89	1.002
Total Tetra-Dioxins		0.159	0.0480		
Total Penta-Dioxins		0.438	0.0480		
Total Hexa-Dioxins		7.03	0.0480		
Total Hepta-Dioxins	B	63.1	0.0939		
Total Tetra-Furans		2.57	0.0480		
Total Penta-Furans		3.25	0.0480		
Total Hexa-Furans		7.46	0.0590		
Total Hepta-Furans		18.7	0.0480		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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11-04-2005
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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS20-010

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 09-Feb-2005
Extraction Date: 21-Feb-2005
Analysis Date: 04-Apr-2005
Extract Volume (µL): 150
Injection Volume (µL): 1.0
Dilution Factor: 7.5
Concentration Units: ng/kg (dry weight basis)

Time: 13:56:10

Sample Collection: 02-Feb-2005 13:07
Project No.: 04-08-06-24
Lab Sample ID: L7611-11 W
Sample Size: 10.2 g (dry)
Initial Calibration Date: 03-Apr-2005
Instrument ID: HR GC/MS
GC Column ID: DB-5
Sample Datafile: DX5C_174 S:7
Blank Data Filename: DX52_127 S:5
Cal. Ver. Data Filename: DX5C_174 S:1
% Moisture: 34.4

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	1.41	0.129	0.82	1.001
1,2,3,7,8-PeCDD ³	JD	2.65	0.0630	0.69	1.001
1,2,3,4,7,8-HxCDD	JD	4.47	0.610	1.30	1.000
1,2,3,6,7,8-HxCDD	JD	24.2	0.610	1.21	1.000
1,2,3,7,8,9-HxCDD	JD	11.3	0.610	1.23	1.010
1,2,3,4,6,7,8-HpCDD	BD	637	1.06	1.03	1.000
OCDD	BD	5440	1.41	0.89	1.000
2,3,7,8-TCDF	D	69.6	1.77	0.78	1.002
1,2,3,7,8-PeCDF	JD	2.77	0.210	1.37	1.001
2,3,4,7,8-PeCDF	JD	9.95	0.210	1.51	1.000
1,2,3,4,7,8-HxCDF	JD	18.7	1.20	1.16	1.000
1,2,3,6,7,8-HxCDF	JD	5.28	1.20	1.05	1.000
1,2,3,7,8,9-HxCDF	UD		1.20		
2,3,4,6,7,8-HxCDF	JD	3.69	1.20	1.17	1.000
1,2,3,4,6,7,8-HpCDF	D	153	1.90	1.02	1.000
1,2,3,4,7,8,9-HpCDF	JD	10.3	1.90	1.11	1.000
OCDF	BD	521	0.409	0.87	1.002
Total Tetra-Dioxins	D	15.3	0.129		
Total Penta-Dioxins	D	24.0	0.0630		
Total Hexa-Dioxins	D	159	0.610		
Total Hepta-Dioxins	BD	1420	1.06		
Total Tetra-Furans	D	295	1.77		
Total Penta-Furans	D	182	0.210		
Total Hexa-Furans	D	303	1.20		
Total Hepta-Furans	D	659	1.90		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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QA/QC Chemist

18-04-2005
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Form 1A
 PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
 LDW-SS-22-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	17-Jan-2005 14:40
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7601-2 W
Sample Receipt Date: 01-Feb-2005	Sample Size:	10.6 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date:	20-Feb-2005
Analysis Date: 28-Feb-2005 Time: 3:34:30	Instrument ID:	HR GC/MS
Extract Volume (µL): 60	GC Column ID:	DB-5
Injection Volume (µL): 1.0	Sample Datafile:	DX52_100 S:10
Dilution Factor: 3	Blank Data Filename:	DX52_092 S:5
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename:	DX52_100 S:1
	% Moisture:	31.7

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.900	0.0668	0.83	1.001
1,2,3,7,8-PeCDD ³	JD	2.54	0.0563	0.60	1.001
1,2,3,4,7,8-HxCDD	JD	4.27	0.230	1.27	1.000
1,2,3,6,7,8-HxCDD	D	22.9	0.230	1.26	1.000
1,2,3,7,8,9-HxCDD	JD	11.8	0.230	1.19	1.010
1,2,3,4,6,7,8-HpCDD	BD	595	0.693	1.05	1.000
OCDD	BD	4920	40.0	0.90	1.000
2,3,7,8-TCDF	D	23.9	0.539	0.76	1.002
1,2,3,7,8-PeCDF	JD	1.91	0.0860	1.65	1.000
2,3,4,7,8-PeCDF	JBD	5.19	0.0860	1.61	1.001
1,2,3,4,7,8-HxCDF	D	14.8	0.120	1.32	1.000
1,2,3,6,7,8-HxCDF	JD	5.03	0.120	1.40	1.000
1,2,3,7,8,9-HxCDF	JD	0.383	0.120	1.10	1.000
2,3,4,6,7,8-HxCDF	JD	3.70	0.120	1.20	1.000
1,2,3,4,6,7,8-HpCDF	D	174	1.05	1.04	1.000
1,2,3,4,7,8,9-HpCDF	JD	10.5	1.05	1.04	1.000
OCDF	BD	628	4.73	0.90	1.002
Total Tetra-Dioxins	D	9.93	0.0668		
Total Penta-Dioxins	D	19.3	0.0563		
Total Hexa-Dioxins	D	140	0.230		
Total Hepta-Dioxins	BD	1320	0.693		
Total Tetra-Furans	D	106	0.539		
Total Penta-Furans	D	98.8	0.0860		
Total Hexa-Furans	D	215	0.120		
Total Hepta-Furans	D	694	1.05		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-28-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 13:45
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-6 W
Sample Receipt Date: 01-Feb-2005	Sample Size: 10.0 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 28-Feb-2005	Instrument ID: HR GC/MS
Time: 2:39:55	GC Column ID: DB-5
Extract Volume (µL): 60	Sample Datafile: DX52_100 S:9
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 3	Cal. Ver. Data Filename: DX52_100 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 43.2

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.544	0.0798	0.72	1.001
1,2,3,7,8-PeCDD ³	JD	1.79	0.0500	0.66	1.000
1,2,3,4,7,8-HxCDD	JD	2.66	0.290	1.30	1.000
1,2,3,6,7,8-HxCDD	JD	11.6	0.290	1.31	1.000
1,2,3,7,8,9-HxCDD	JD	7.43	0.290	1.23	1.010
1,2,3,4,6,7,8-HpCDD	BD	280	0.338	1.05	1.000
OCDD	BD	2550	0.986	0.90	1.000
2,3,7,8-TCDF	D	9.92	0.399	0.81	1.001
1,2,3,7,8-PeCDF	JD	1.57	0.0840	1.46	1.000
2,3,4,7,8-PeCDF	JBD	3.73	0.0840	1.58	1.000
1,2,3,4,7,8-HxCDF	JD	9.22	0.0890	1.21	1.000
1,2,3,6,7,8-HxCDF	JD	2.94	0.0890	1.25	1.000
1,2,3,7,8,9-HxCDF	JD	0.284	0.0890	1.18	1.000
2,3,4,6,7,8-HxCDF	JD	2.34	0.0890	1.39	1.000
1,2,3,4,6,7,8-HpCDF	D	63.4	0.340	1.04	1.000
1,2,3,4,7,8,9-HpCDF	JD	5.50	0.340	1.05	1.000
OCDF	BD	164	0.137	0.90	1.002
Total Tetra-Dioxins	D	14.3	0.0798		
Total Penta-Dioxins	D	20.9	0.0500		
Total Hexa-Dioxins	D	106	0.290		
Total Hepta-Dioxins	BD	771	0.338		
Total Tetra-Furans	D	59.5	0.399		
Total Penta-Furans	D	56.9	0.0840		
Total Hexa-Furans	D	107	0.0890		
Total Hepta-Furans	D	223	0.340		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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Approved by:  QA/QC Chemist

30-03-2005
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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-36-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 10:50
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-7 W
Sample Receipt Date: 01-Feb-2005	Sample Size: 10.4 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 28-Feb-2005	Instrument ID: HR GC/MS
Time: 10:32:26	GC Column ID: DB-5
Extract Volume (µL): 100	Sample Datafile: DX52_101 S:4
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 5	Cal. Ver. Data Filename: DX52_101 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 55.9

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.859	0.0644	0.70	1.001
1,2,3,7,8-PeCDD ³	JD	3.26	0.0563	0.56	1.001
1,2,3,4,7,8-HxCDD	JD	5.90	0.430	1.29	1.000
1,2,3,6,7,8-HxCDD	D	24.3	0.430	1.28	1.000
1,2,3,7,8,9-HxCDD	JD	19.6	0.430	1.29	1.010
1,2,3,4,6,7,8-HpCDD	BD	982	0.734	1.05	1.000
OCDD	BD	9230	0.436	0.90	1.000
2,3,7,8-TCDF	D	7.56	0.333	0.73	1.001
1,2,3,7,8-PeCDF	JD	1.90	0.150	1.51	1.000
2,3,4,7,8-PeCDF	JBD	4.25	0.150	1.56	1.000
1,2,3,4,7,8-HxCDF	JD	15.4	0.170	1.26	1.000
1,2,3,6,7,8-HxCDF	JD	4.20	0.170	1.28	1.000
1,2,3,7,8,9-HxCDF	JD	0.550	0.170	1.15	1.000
2,3,4,6,7,8-HxCDF	JD	3.31	0.170	1.23	1.000
1,2,3,4,6,7,8-HpCDF	D	123	0.260	1.04	1.000
1,2,3,4,7,8,9-HpCDF	JD	10.3	0.260	1.08	1.000
OCDF	BD	493	0.0991	0.90	1.002
Total Tetra-Dioxins	D	12.2	0.0644		
Total Penta-Dioxins	D	26.6	0.0563		
Total Hexa-Dioxins	D	370	0.430		
Total Hepta-Dioxins	BD	5060	0.734		
Total Tetra-Furans	D	44.6	0.333		
Total Penta-Furans	D	69.6	0.150		
Total Hexa-Furans	D	205	0.170		
Total Hepta-Furans	D	566	0.260		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD4_1.xls, S2

Approved by: _____



QA/QC Chemist

30-03-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-43-010

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 01-Feb-2005

Extraction Date: 10-Feb-2005

Analysis Date: 28-Feb-2005

Extract Volume (µL): 60

Injection Volume (µL): 1.0

Dilution Factor: 3

Concentration Units: ng/kg (dry weight basis)

Time: 4:29:05

Sample Collection: 21-Jan-2005 07:57

Project No.: 04-08-06-24

Lab Sample ID: L7601-4 W

Sample Size: 10.3 g (dry)

Initial Calibration Date: 20-Feb-2005

Instrument ID: HR GC/MS

GC Column ID: DB-5

Sample Datafile: DX52_100 S:11

Blank Data Filename: DX52_092 S:5

Cal. Ver. Data Filename: DX52_100 S:1

% Moisture: 46.4

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.598	0.0760	0.66	1.001
1,2,3,7,8-PeCDD ³	JD	1.82	0.0602	0.60	1.000
1,2,3,4,7,8-HxCDD	JD	2.77	0.510	1.32	1.000
1,2,3,6,7,8-HxCDD	D	17.5	0.510	1.26	1.000
1,2,3,7,8,9-HxCDD	JD	10.9	0.510	1.28	1.010
1,2,3,4,6,7,8-HpCDD	BD	639	0.546	1.04	1.000
OCDD	BD	6620	1.49	0.90	1.000
2,3,7,8-TCDF	D	3.79	0.185	0.76	1.001
1,2,3,7,8-PeCDF	JD	1.22	0.0890	1.48	1.000
2,3,4,7,8-PeCDF	JBD	2.44	0.0890	1.59	1.000
1,2,3,4,7,8-HxCDF	JD	14.4	0.0920	1.22	1.000
1,2,3,6,7,8-HxCDF	JD	3.44	0.0920	1.35	1.000
1,2,3,7,8,9-HxCDF	JD	0.364	0.0920	1.08	1.000
2,3,4,6,7,8-HxCDF	JD	2.38	0.0920	1.33	1.000
1,2,3,4,6,7,8-HpCDF	D	110	0.260	1.05	1.000
1,2,3,4,7,8,9-HpCDF	JD	9.85	0.260	0.99	1.000
OCDF	BD	324	0.143	0.90	1.002
Total Tetra-Dioxins	D	6.85	0.0760		
Total Penta-Dioxins	D	15.7	0.0602		
Total Hexa-Dioxins	D	163	0.510		
Total Hepta-Dioxins	BD	1790	0.546		
Total Tetra-Furans	D	23.6	0.185		
Total Penta-Furans	D	43.7	0.0890		
Total Hexa-Furans	D	156	0.0920		
Total Hepta-Furans	D	431	0.260		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD3_1.xls, S8

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30-03-2005
dd-mm-yyyy

Form 1A
 PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
 LDW-SS-37-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	18-Jan-2005 10:42
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7787-3
Sample Receipt Date: 19-Apr-2005	Sample Size:	10.0 g (dry)
Extraction Date: 12-May-2005	Initial Calibration Date:	13-May-2005
Analysis Date: 23-May-2005 Time: 8:48:39	Instrument ID:	HR GC/MS
Extract Volume (µL): 20	GC Column ID:	DB-5
Injection Volume (µL): 1.0	Sample Datafile:	DX5B_186A S:12
Dilution Factor: N/A	Blank Data Filename:	DX52_234 S:6
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename:	DX5B_186A S:1
	% Moisture:	43.0

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD		2.94	0.0780	0.65	1.001
1,2,3,7,8-PeCDD ³		8.33	0.157	0.68	1.001
1,2,3,4,7,8-HxCDD		12.7	0.140	1.22	1.000
1,2,3,6,7,8-HxCDD		71.9	0.140	1.20	1.000
1,2,3,7,8,9-HxCDD		40.0	0.140	1.22	1.010
1,2,3,4,6,7,8-HpCDD	B	1800	0.380	1.07	1.000
OCDD	E				
2,3,7,8-TCDF		397	0.614	0.81	1.002
1,2,3,7,8-PeCDF		13.8	0.0890	1.55	1.000
2,3,4,7,8-PeCDF		62.5	0.0890	1.59	1.000
1,2,3,4,7,8-HxCDF		97.1	0.162	1.24	1.000
1,2,3,6,7,8-HxCDF		22.6	0.162	1.26	1.000
1,2,3,7,8,9-HxCDF	J	1.20	0.162	1.29	1.000
2,3,4,6,7,8-HxCDF		11.9	0.162	1.28	1.000
1,2,3,4,6,7,8-HpCDF		411	0.430	1.09	1.001
1,2,3,4,7,8,9-HpCDF	B	42.8	0.430	1.09	1.000
OCDF	B	1360	0.292	0.91	1.002
Total Tetra-Dioxins		34.6	0.0780		
Total Penta-Dioxins		70.2	0.157		
Total Hexa-Dioxins		392	0.140		
Total Hepta-Dioxins	B	3470	0.380		
Total Tetra-Furans		1520	0.614		
Total Penta-Furans		728	0.0890		
Total Hexa-Furans		756	0.162		
Total Hepta-Furans		1680	0.430		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15727DD5_1.xls, S7

Approved by:  QA/QC Chemist

10-06-2005
 dd-mm-yyyy

0103

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-37-010

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 29-Apr-2005

Extraction Date: 12-May-2005

Analysis Date: 03-Jun-2005

Extract Volume (µL): 200

Injection Volume (µL): 1.0

Dilution Factor: 10

Concentration Units: ng/kg (dry weight basis)

Time: 4:52:18

Sample Collection: 18-Jan-2005 10:42

Project No.: 04-08-06-24

Lab Sample ID: L7787-3 W

Sample Size: 10.0 g (dry)

Initial Calibration Date: 26-Apr-2005

Instrument ID: HR GC/MS

GC Column ID: DB-5

Sample Datafile: DX52_235A S:10

Blank Data Filename: DX52_234 S:6

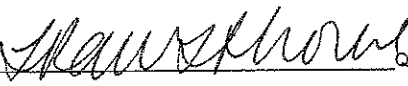
Cal. Ver. Data Filename: DX52_235A S:1

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD					
1,2,3,7,8-PeCDD ³					
1,2,3,4,7,8-HxCDD					
1,2,3,6,7,8-HxCDD					
1,2,3,7,8,9-HxCDD					
1,2,3,4,6,7,8-HpCDD					
OCDD	BD	18200	6.57	0.89	1.000
2,3,7,8-TCDF					
1,2,3,7,8-PeCDF					
2,3,4,7,8-PeCDF					
1,2,3,4,7,8-HxCDF					
1,2,3,6,7,8-HxCDF					
1,2,3,7,8,9-HxCDF					
2,3,4,6,7,8-HxCDF					
1,2,3,4,6,7,8-HpCDF					
1,2,3,4,7,8,9-HpCDF					
OCDF					
Total Tetra-Dioxins					
Total Penta-Dioxins					
Total Hexa-Dioxins					
Total Hepta-Dioxins					
Total Tetra-Furans					
Total Penta-Furans					
Total Hexa-Furans					
Total Hepta-Furans					

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
(3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15727DD2_1.xls, S4

Approved by:  QA/QC Chemist

10-06-2005
dd-mm-yyyy

0105

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 13:00
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-9 W
Sample Receipt Date: 01-Feb-2005	Sample Size: 10.5 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 28-Feb-2005	Instrument ID: HR GC/MS
Time: 13:16:08	GC Column ID: DB-5
Extract Volume (µL): 150	Sample Datafile: DX52_101 S:7
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 7.5	Cal. Ver. Data Filename: DX52_101 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 36.6

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	4.57	0.180	0.77	1.001
1,2,3,7,8-PeCDD ³	JD	34.5	0.240	0.63	1.000
1,2,3,4,7,8-HxCDD	D	124	5.53	1.25	1.000
1,2,3,6,7,8-HxCDD	D	3400	5.53	1.28	1.000
1,2,3,7,8,9-HxCDD	D	315	5.53	1.29	1.010
1,2,3,4,6,7,8-HpCDD	E				
OCDD	E				
2,3,7,8-TCDF	D	25.5	1.00	0.80	1.002
1,2,3,7,8-PeCDF	D	69.3	1.86	1.59	1.000
2,3,4,7,8-PeCDF	BD	230	1.86	1.57	1.000
1,2,3,4,7,8-HxCDF	X				
1,2,3,6,7,8-HxCDF	X				
1,2,3,7,8,9-HxCDF	X				
2,3,4,6,7,8-HxCDF	X				
1,2,3,4,6,7,8-HpCDF	E				
1,2,3,4,7,8,9-HpCDF	X				
OCDF	E				
Total Tetra-Dioxins	D	157	0.180		
Total Penta-Dioxins	D	1410	0.240		
Total Hexa-Dioxins	D	15400	5.53		
Total Hepta-Dioxins	E				
Total Tetra-Furans	D	241	1.00		
Total Penta-Furans	D	3500	1.86		
Total Hexa-Furans	E				
Total Hepta-Furans	E				

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD4_1.xls, S5

Approved by: _____



QA/QC Chemist

30-03-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-56-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 13:00
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-9 W2
Sample Receipt Date: 01-Feb-2005	Sample Size: 10.5 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 28-Feb-2005	Instrument ID: HR GC/MS
Time: 16:05:43	GC Column ID: DB-5
Extract Volume (µL): 650	Sample Datafile: DX52_101 S:10
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 32.5	Cal. Ver. Data Filename: DX52_101 S:1
Concentration Units: ng/kg (dry weight basis)	

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD					
1,2,3,7,8-PeCDD ³					
1,2,3,4,7,8-HxCDD					
1,2,3,6,7,8-HxCDD					
1,2,3,7,8,9-HxCDD					
1,2,3,4,6,7,8-HpCDD	E				
OCDD	E				
2,3,7,8-TCDF					
1,2,3,7,8-PeCDF					
2,3,4,7,8-PeCDF					
1,2,3,4,7,8-HxCDF	D	2530	10.0	1.25	1.000
1,2,3,6,7,8-HxCDF	D	365	10.0	1.25	1.000
1,2,3,7,8,9-HxCDF	JD	33.8	10.0	1.19	1.000
2,3,4,6,7,8-HxCDF	KD	302	10.0	1.27	1.000
1,2,3,4,6,7,8-HpCDF	D	40300	100	1.04	1.000
1,2,3,4,7,8,9-HpCDF	D	3720	100	1.04	1.000
OCDF	E				
Total Tetra-Dioxins					
Total Penta-Dioxins					
Total Hexa-Dioxins					
Total Hepta-Dioxins	E				
Total Tetra-Furans					
Total Penta-Furans					
Total Hexa-Furans	D	71500	10.0		
Total Hepta-Furans	D	195000	100		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD4_1.xls, S8

Approved by: _____



QA/QC Chemist

08-04-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-56-010

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 01-Feb-2005

Extraction Date: 10-Feb-2005

Analysis Date: 11-Mar-2005

Extract Volume (µL): 40

Injection Volume (µL): 1.0

Dilution Factor: 200

Concentration Units: ng/kg (dry weight basis)

Time: 3:40:28

Sample Collection: 24-Jan-2005 13:00

Project No.: 04-08-06-24

Lab Sample ID: L7601-9 NKW

Sample Size: 10.5 g (dry)

Initial Calibration Date: 20-Feb-2005

Instrument ID: HR GC/MS

GC Column ID: DB-5

Sample Datafile: DX52_118 S:10

Blank Data Filename: DX52_092 S:5

Cal. Ver. Data Filename: DX52_118 S:1

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD					
1,2,3,7,8-PeCDD ³					
1,2,3,4,7,8-HxCDD					
1,2,3,6,7,8-HxCDD					
1,2,3,7,8,9-HxCDD					
1,2,3,4,6,7,8-HpCDD	BD	73700	100	1.05	1.000
OCDD	BD	241000	100	0.90	1.000
2,3,7,8-TCDF					
1,2,3,7,8-PeCDF					
2,3,4,7,8-PeCDF					
1,2,3,4,7,8-HxCDF					
1,2,3,6,7,8-HxCDF					
1,2,3,7,8,9-HxCDF					
2,3,4,6,7,8-HxCDF					
1,2,3,4,6,7,8-HpCDF					
1,2,3,4,7,8,9-HpCDF					
OCDF	BD	93700	100	0.90	1.002
Total Tetra-Dioxins					
Total Penta-Dioxins					
Total Hexa-Dioxins					
Total Hepta-Dioxins	BD	109000	100		
Total Tetra-Furans					
Total Penta-Furans					
Total Hexa-Furans					
Total Hepta-Furans					

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD5_1.xls, S3

Approved by:  QA/QC Chemist

30-03-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-57-010

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 01-Feb-2005
Extraction Date: 10-Feb-2005
Analysis Date: 28-Feb-2005
Extract Volume (µL): 150
Injection Volume (µL): 1.0
Dilution Factor: 7.5
Concentration Units: ng/kg (dry weight basis)

Sample Collection: 24-Jan-2005 12:35
Project No.: 04-08-06-24
Lab Sample ID: L7601-5 W
Sample Size: 9.56 g (dry)
Initial Calibration Date: 20-Feb-2005
Instrument ID: HR GC/MS
GC Column ID: DB-5
Sample Datafile: DX52_101 S:5
Blank Data Filename: DX52_092 S:5
Cal. Ver. Data Filename: DX52_101 S:1
% Moisture: 48.8

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	4.17	0.100	0.78	1.001
1,2,3,7,8-PeCDD ³	JD	16.7	0.120	0.61	1.000
1,2,3,4,7,8-HxCDD	JD	33.7	0.920	1.31	1.000
1,2,3,6,7,8-HxCDD	D	350	0.920	1.27	1.000
1,2,3,7,8,9-HxCDD	D	95.2	0.920	1.29	1.010
1,2,3,4,6,7,8-HpCDD	BD	14900	6.73	1.06	1.000
OCDD	E				
2,3,7,8-TCDF	D	21.4	1.00	0.80	1.002
1,2,3,7,8-PeCDF	JD	27.8	0.920	1.64	1.001
2,3,4,7,8-PeCDF	BD	95.9	0.920	1.56	1.000
1,2,3,4,7,8-HxCDF	D	895	0.890	1.23	1.000
1,2,3,6,7,8-HxCDF	D	151	0.890	1.32	1.000
1,2,3,7,8,9-HxCDF	JD	10.6	0.890	1.19	1.000
2,3,4,6,7,8-HxCDF	KD	62.0	0.890	1.27	1.000
1,2,3,4,6,7,8-HpCDF	D	4040	1.38	1.04	1.000
1,2,3,4,7,8,9-HpCDF	D	487	1.38	1.05	1.000
OCDF	X				
Total Tetra-Dioxins	D	73.6	0.100		
Total Penta-Dioxins	D	217	0.120		
Total Hexa-Dioxins	D	1850	0.920		
Total Hepta-Dioxins	BD	25800	6.73		
Total Tetra-Furans	D	190	1.00		
Total Penta-Furans	D	1320	0.920		
Total Hexa-Furans	D	6850	0.890		
Total Hepta-Furans	D	23800	1.38		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

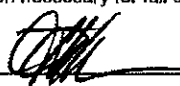
(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD4_1.xls, S3

Approved by: _____



QA/QC Chemist

30-03-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-57-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 12:35
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-5 W2
Sample Receipt Date: 01-Feb-2005	Sample Size: 9.56 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 28-Feb-2005	Instrument ID: HR GC/MS
Time: 14:16:41	GC Column ID: DB-5
Extract Volume (µL): 650	Sample Datafile: DX52_101 S:8
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 32.5	Cal. Ver. Data Filename: DX52_101 S:1
Concentration Units: ng/kg (dry weight basis)	

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD					
1,2,3,7,8-PeCDD ³					
1,2,3,4,7,8-HxCDD					
1,2,3,6,7,8-HxCDD					
1,2,3,7,8,9-HxCDD					
1,2,3,4,6,7,8-HpCDD					
OCDD	E				
2,3,7,8-TCDF					
1,2,3,7,8-PeCDF					
2,3,4,7,8-PeCDF					
1,2,3,4,7,8-HxCDF					
1,2,3,6,7,8-HxCDF					
1,2,3,7,8,9-HxCDF					
2,3,4,6,7,8-HxCDF					
1,2,3,4,6,7,8-HpCDF					
1,2,3,4,7,8,9-HpCDF					
OCDF	BD	18700	0.880	0.90	1.002

Total Tetra-Dioxins
Total Penta-Dioxins
Total Hexa-Dioxins
Total Hepta-Dioxins
Total Tetra-Furans
Total Penta-Furans
Total Hexa-Furans
Total Hepta-Furans

- (1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
(3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD4_1.xls, S5

Approved by:  QA/QC Chemist

30-03-2005
dd-mm-yyyy

Form 1A
 PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
 LDW-SS-57-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 12:35
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-5 NKW
Sample Receipt Date: 01-Feb-2005	Sample Size: 9.56 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 11-Mar-2005	Instrument ID: HR GC/MS
Time: 2:45:52	GC Column ID: DB-5
Extract Volume (µL): 40	Sample Datafile: DX52_118 S:9
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 200	Cal. Ver. Data Filename: DX52_118 S:1
Concentration Units: ng/kg (dry weight basis)	

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD					
1,2,3,7,8-PeCDD ³					
1,2,3,4,7,8-HxCDD					
1,2,3,6,7,8-HxCDD					
1,2,3,7,8,9-HxCDD					
1,2,3,4,6,7,8-HpCDD					
OCDD	BD	172000	1.47	0.89	1.000
2,3,7,8-TCDF					
1,2,3,7,8-PeCDF					
2,3,4,7,8-PeCDF					
1,2,3,4,7,8-HxCDF					
1,2,3,6,7,8-HxCDF					
1,2,3,7,8,9-HxCDF					
2,3,4,6,7,8-HxCDF					
1,2,3,4,6,7,8-HpCDF					
1,2,3,4,7,8,9-HpCDF					
OCDF					
Total Tetra-Dioxins					
Total Penta-Dioxins					
Total Hexa-Dioxins					
Total Hepta-Dioxins					
Total Tetra-Furans					
Total Penta-Furans					
Total Hexa-Furans					
Total Hepta-Furans					

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15917DD5_1.xls, S2

Approved by:  QA/QC Chemist

30-03-2005
 dd-mm-yyyy

Form 1A
 PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
 LDW-SS-58-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 11:50
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-11 W
Sample Receipt Date: 01-Feb-2005	Sample Size: 10.4 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 28-Feb-2005	Instrument ID: HR GC/MS
Time: 12:21:32	GC Column ID: DB-5
Extract Volume (µL): 150	Sample Datafile: DX52_101 S:6
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 7.5	Cal. Ver. Data Filename: DX52_101 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 48.1

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	D	9.28	0.240	0.76	1.001
1,2,3,7,8-PeCDD ³	JD	19.9	0.380	0.62	1.001
1,2,3,4,7,8-HxCDD	JD	31.6	0.960	1.25	1.000
1,2,3,6,7,8-HxCDD	D	480	0.960	1.27	1.000
1,2,3,7,8,9-HxCDD	D	99.6	0.960	1.25	1.010
1,2,3,4,6,7,8-HpCDD	BD	11300	4.75	1.05	1.000
OCDD	E				
2,3,7,8-TCDF	D	40.4	2.00	0.80	1.002
1,2,3,7,8-PeCDF	D	56.9	1.11	1.54	1.000
2,3,4,7,8-PeCDF	BD	181	1.11	1.57	1.000
1,2,3,4,7,8-HxCDF	D	1670	1.49	1.25	1.000
1,2,3,6,7,8-HxCDF	D	284	1.49	1.22	1.000
1,2,3,7,8,9-HxCDF	JD	21.7	1.49	1.30	1.000
2,3,4,6,7,8-HxCDF	KD	121	1.49	1.26	1.000
1,2,3,4,6,7,8-HpCDF	D	4710	1.56	1.04	1.000
1,2,3,4,7,8,9-HpCDF	D	756	1.56	1.05	1.000
OCDF	X				
Total Tetra-Dioxins	D	92.9	0.240		
Total Penta-Dioxins	D	219	0.380		
Total Hexa-Dioxins	D	1940	0.960		
Total Hepta-Dioxins	BD	20600	4.75		
Total Tetra-Furans	D	283	2.00		
Total Penta-Furans	D	2390	1.11		
Total Hexa-Furans	D	11600	1.49		
Total Hepta-Furans	D	22300	1.56		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD4_1.xls, S4

Approved by: _____



QA/QC Chemist

30-03-2005
 dd-mm-yyyy

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 11:50
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-11 NKW
Sample Receipt Date: 01-Feb-2005	Sample Size: 10.4 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 11-Mar-2005	Instrument ID: HR GC/MS
Time: 4:34:58	GC Column ID: DB-5
Extract Volume (µL): 40	Sample Datafile: DX52_118 S:11
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 200	Cal. Ver. Data Filename: DX52_118 S:1
Concentration Units: ng/kg (dry weight basis)	

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD					
1,2,3,7,8-PeCDD ³					
1,2,3,4,7,8-HxCDD					
1,2,3,6,7,8-HxCDD					
1,2,3,7,8,9-HxCDD					
1,2,3,4,6,7,8-HpCDD					
OCDD	BD	124000	6.05	0.90	1.000
2,3,7,8-TCDF					
1,2,3,7,8-PeCDF					
2,3,4,7,8-PeCDF					
1,2,3,4,7,8-HxCDF					
1,2,3,6,7,8-HxCDF					
1,2,3,7,8,9-HxCDF					
2,3,4,6,7,8-HxCDF					
1,2,3,4,6,7,8-HpCDF					
1,2,3,4,7,8,9-HpCDF					
OCDF					
Total Tetra-Dioxins					
Total Penta-Dioxins					
Total Hexa-Dioxins					
Total Hepta-Dioxins					
Total Tetra-Furans					
Total Penta-Furans					
Total Hexa-Furans					
Total Hepta-Furans					

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD5_1.xls, S4

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QA/QC Chemist

30-03-2005
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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS59-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	14-Mar-2005 10:58
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7707-4 WM
Sample Receipt Date: 24-Mar-2005	Sample Size:	10.3 g (dry)
Extraction Date: 29-Apr-2005	Initial Calibration Date:	26-Apr-2005
Analysis Date: 18-May-2005	Instrument ID:	HR GC/MS
Time: 3:35:38	GC Column ID:	DB-5
Extract Volume (µL): 100	Sample Datafile:	DX52_210 S:10
Injection Volume (µL): 1.0	Blank Data Filename:	DX52_203 S:4
Dilution Factor: 5	Cal. Ver. Data Filename:	DX52_210 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture:	43.5

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JBD	1.04	0.0480	0.76	1.001
1,2,3,7,8-PeCDD ³	JBD	5.24	0.0480	0.66	1.000
1,2,3,4,7,8-HxCDD	JBD	11.4	0.120	1.25	1.000
1,2,3,6,7,8-HxCDD	BD	65.3	0.120	1.27	1.000
1,2,3,7,8,9-HxCDD	BD	26.4	0.120	1.24	1.010
1,2,3,4,6,7,8-HpCDD	BD	1880	0.882	1.06	1.000
OCDD	BD	15600	6.94	0.89	1.000
2,3,7,8-TCDF	D	4.99	0.352	0.80	1.001
1,2,3,7,8-PeCDF	JD	1.06	0.0810	1.45	0.996
2,3,4,7,8-PeCDF	JD	4.71	0.0810	1.37	1.000
1,2,3,4,7,8-HxCDF	D	30.5	0.180	1.27	1.000
1,2,3,6,7,8-HxCDF	JD	7.20	0.180	1.25	1.000
1,2,3,7,8,9-HxCDF	JD	0.568	0.180	1.12	1.000
2,3,4,6,7,8-HxCDF	JD	5.38	0.180	1.27	1.000
1,2,3,4,6,7,8-HpCDF	D	288	0.800	1.04	1.000
1,2,3,4,7,8,9-HpCDF	JD	24.2	0.800	1.03	1.000
OCDF	D	1030	0.624	0.89	1.002
Total Tetra-Dioxins	D	10.6	0.0480		
Total Penta-Dioxins	BD	30.1	0.0480		
Total Hexa-Dioxins	D	297	0.120		
Total Hepta-Dioxins	BD	3540	0.882		
Total Tetra-Furans	D	34.5	0.352		
Total Penta-Furans	D	78.0	0.0810		
Total Hexa-Furans	D	376	0.180		
Total Hepta-Furans	D	1210	0.800		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15383DD2_1.xls, S7

Approved by: *[Signature]* QA/QC Chemist

08-06-2005
dd-mm-yyyy

0079

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS59-010

Lab Name: AXYS ANALYTICAL SERVICES
Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 15-Feb-2005
Extraction Date: 12-May-2005
Analysis Date: 03-Jun-2005 Time: 3:03:07
Extract Volume (µL): 200
Injection Volume (µL): 1.0
Dilution Factor: 10
Concentration Units: ng/kg (dry weight basis)

Sample Collection: 02-Feb-2005 17:02
Project No.: 04-08-06-24
Lab Sample ID: L7630-5 W (A)
Sample Size: 11.2 g (dry)
Initial Calibration Date: 26-Apr-2005
Instrument ID: HR GC/MS
GC Column ID: DB-5
Sample Datafile: DX52_235A S:8
Blank Data Filename: DX52_234 S:6
Cal. Ver. Data Filename: DX52_235A S:1

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD					
1,2,3,7,8-PeCDD ³					
1,2,3,4,7,8-HxCDD					
1,2,3,6,7,8-HxCDD					
1,2,3,7,8,9-HxCDD					
1,2,3,4,6,7,8-HpCDD					
OCDD	BD	7140	3.63	0.89	1.000
2,3,7,8-TCDF					
1,2,3,7,8-PeCDF					
2,3,4,7,8-PeCDF					
1,2,3,4,7,8-HxCDF					
1,2,3,6,7,8-HxCDF					
1,2,3,7,8,9-HxCDF					
2,3,4,6,7,8-HxCDF					
1,2,3,4,6,7,8-HpCDF					
1,2,3,4,7,8,9-HpCDF					
OCDF					
Total Tetra-Dioxins					
Total Penta-Dioxins					
Total Hexa-Dioxins					
Total Hepta-Dioxins					
Total Tetra-Furans					
Total Penta-Furans					
Total Hexa-Furans					
Total Hepta-Furans					

(1) U = not detected; K = peak detected, but did not meet quantification criteria. result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15727DD2_1.xls, S2

Approved by:

QA/QC Chemist

10-06-2005
dd-mm-yyyy

0081

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS59-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	02-Feb-2005 17:02
Contract No.: 4030	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7630-5 (A)
Sample Receipt Date: 15-Feb-2005	Sample Size:	11.2 g (dry)
Extraction Date: 12-May-2005	Initial Calibration Date:	13-May-2005
Analysis Date: 23-May-2005 Time: 1:30:01	Instrument ID:	HR GC/MS
Extract Volume (µL): 20	GC Column ID:	DB-5
Injection Volume (µL): 1.0	Sample Datafile:	DX5B_186A S:4
Dilution Factor: N/A	Blank Data Filename:	DX52_234 S:6
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename:	DX5B_186A S:1
	% Moisture:	45.3

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	J	0.785	0.0440	0.66	1.001
1,2,3,7,8-PeCDD ³	J	3.12	0.0440	0.60	1.001
1,2,3,4,7,8-HxCDD	J	4.44	0.213	1.18	1.000
1,2,3,6,7,8-HxCDD		30.0	0.213	1.22	1.000
1,2,3,7,8,9-HxCDD		17.3	0.213	1.21	1.010
1,2,3,4,6,7,8-HpCDD	B	727	1.17	1.07	1.000
OCDD	E				
2,3,7,8-TCDF		6.47	0.0951	0.82	1.002
1,2,3,7,8-PeCDF	J	2.09	0.0540	1.60	1.001
2,3,4,7,8-PeCDF		5.55	0.0540	1.62	1.000
1,2,3,4,7,8-HxCDF		26.4	0.135	1.25	1.000
1,2,3,6,7,8-HxCDF		6.45	0.135	1.30	1.000
1,2,3,7,8,9-HxCDF	J	0.508	0.135	1.30	1.000
2,3,4,6,7,8-HxCDF	J	4.21	0.135	1.26	1.000
1,2,3,4,6,7,8-HpCDF		152	1.12	1.09	1.000
1,2,3,4,7,8,9-HpCDF	B	15.4	1.12	1.08	1.000
OCDF	B	536	6.52	0.90	1.002
Total Tetra-Dioxins		13.1	0.0440		
Total Penta-Dioxins		31.7	0.0440		
Total Hexa-Dioxins		228	0.213		
Total Hepta-Dioxins	B	2020	1.17		
Total Tetra-Furans		41.8	0.0951		
Total Penta-Furans		88.6	0.0540		
Total Hexa-Furans		207	0.135		
Total Hepta-Furans		682	1.12		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15727DD5_1.xls, S2

Approved by: *Stan Thomas* QA/QC Chemist

10-06-2005
dd-mm-yyyy

0079

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS59-010
(DUPLICATE)

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 02-Feb-2005 17:02
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: WG15727-105 (DUP L7630-5)
Sample Receipt Date: 15-Feb-2005	Sample Size: 10.9 g (dry)
Extraction Date: 12-May-2005	Initial Calibration Date: 13-May-2005
Analysis Date: 23-May-2005 Time: 2:24:54	Instrument ID: HR GC/MS
Extract Volume (µL): 20	GC Column ID: DB-5
Injection Volume (µL): 1.0	Sample Datafile: DX5B_186A S:5
Dilution Factor: N/A	Blank Data Filename: DX52_234 S:6
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: DX5B_186A S:1
	% Moisture: 46.4

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD		0.956	0.0460	0.66	1.001
1,2,3,7,8-PeCDD ³	J	3.57	0.0460	0.65	1.000
1,2,3,4,7,8-HxCDD		6.01	0.280	1.28	1.000
1,2,3,6,7,8-HxCDD		57.6	0.280	1.26	1.000
1,2,3,7,8,9-HxCDD		20.6	0.280	1.28	1.010
1,2,3,4,6,7,8-HpCDD	B	1050	1.34	1.06	1.000
OCDD	E				
2,3,7,8-TCDF		6.83	0.0983	0.62	1.002
1,2,3,7,8-PeCDF	J	2.57	0.0791	1.58	1.001
2,3,4,7,8-PeCDF		6.16	0.0791	1.56	1.000
1,2,3,4,7,8-HxCDF		27.8	0.141	1.23	1.000
1,2,3,6,7,8-HxCDF		7.55	0.141	1.22	1.000
1,2,3,7,8,9-HxCDF	J	0.866	0.141	1.24	1.000
2,3,4,6,7,8-HxCDF		6.90	0.141	1.26	1.000
1,2,3,4,6,7,8-HpCDF		206	0.750	1.07	1.000
1,2,3,4,7,8,9-HpCDF	B	17.3	0.750	1.14	1.000
OCDF	B	575	3.73	0.91	1.002
Total Tetra-Dioxins		14.7	0.0460		
Total Penta-Dioxins		33.3	0.0460		
Total Hexa-Dioxins		255	0.280		
Total Hepta-Dioxins	B	2220	1.34		
Total Tetra-Furans		45.3	0.0983		
Total Penta-Furans		106	0.0791		
Total Hexa-Furans		424	0.141		
Total Hepta-Furans		835	0.750		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15727DD5_1.xls, S3

Approved by: Mawsthorpe QA/QC Chemist

10-06-2005
dd-mm-yyyy

0086

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS59-010
(DUPLICATE)

Sample Collection: 02-Feb-2005 17:02
Project No.: 04-08-06-24
Lab Name: AXYS ANALYTICAL SERVICES
Lab Sample ID: WG15727-105 W
(DUP L7630-5)
Contract No.: 4033
Sample Size: 10.9 g (dry)
Matrix: SOLID
Initial Calibration Date: 26-Apr-2005
Sample Receipt Date: 15-Feb-2005
Instrument ID: HR GC/MS
Extraction Date: 12-May-2005
Analysis Date: 03-Jun-2005 Time: 3:57:43
GC Column ID: DB-5
Extract Volume (µL): 200
Sample Datafile: DX52_235A S:9
Injection Volume (µL): 1.0
Blank Data Filename: DX52_234 S:6
Dilution Factor: 10
Cal. Ver. Data Filename: DX52_235A S:1
Concentration Units: ng/kg (dry weight basis)

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD					
1,2,3,7,8-PeCDD ³					
1,2,3,4,7,8-HxCDD					
1,2,3,6,7,8-HxCDD					
1,2,3,7,8,9-HxCDD					
1,2,3,4,6,7,8-HpCDD					
OCDD	BD	10800	4.05	0.89	1.000

2,3,7,8-TCDF
1,2,3,7,8-PeCDF
2,3,4,7,8-PeCDF
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDF
1,2,3,7,8,9-HxCDF
2,3,4,6,7,8-HxCDF
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
OCDF

Total Tetra-Dioxins
Total Penta-Dioxins
Total Hexa-Dioxins
Total Hepta-Dioxins
Total Tetra-Furans
Total Penta-Furans
Total Hexa-Furans
Total Hepta-Furans

(1) U = not detected; K = peak detected, but did not meet quantification criteria. result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15727DD2_1.xls, S3

Approved by: [Signature] QA/QC Chemist

10-06-2005
dd-mm-yyyy

0088

Form 1A
 PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
 LDW-SS-64-010

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033
 Matrix: SOLID
 Sample Receipt Date: 01-Feb-2005
 Extraction Date: 10-Feb-2005
 Analysis Date: 28-Feb-2005 Time: 0:50:44
 Extract Volume (µL): 60
 Injection Volume (µL): 1.0
 Dilution Factor: 3
 Concentration Units: ng/kg (dry weight basis)

Sample Collection: 24-Jan-2005 08:55
 Project No.: 04-08-06-24
 Lab Sample ID: L7601-10 W
 Sample Size: 10.3 g (dry)
 Initial Calibration Date: 20-Feb-2005
 Instrument ID: HR GC/MS
 GC Column ID: DB-5
 Sample Datafile: DX52_100 S:7
 Blank Data Filename: DX52_092 S:5
 Cal. Ver. Data Filename: DX52_100 S:1
 % Moisture: 38.5

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.463	0.0653	0.67	1.001
1,2,3,7,8-PeCDD ³	JD	1.75	0.0485	0.60	1.000
1,2,3,4,7,8-HxCDD	JD	2.24	0.200	1.30	1.000
1,2,3,6,7,8-HxCDD	JD	11.7	0.200	1.25	1.000
1,2,3,7,8,9-HxCDD	JD	7.69	0.200	1.24	1.010
1,2,3,4,6,7,8-HpCDD	BD	288	0.488	1.05	1.000
OCDD	BD	2380	4.61	0.90	1.000
2,3,7,8-TCDF	D	4.93	0.188	0.79	1.001
1,2,3,7,8-PeCDF	JD	0.811	0.0680	1.46	1.000
2,3,4,7,8-PeCDF	JBD	1.89	0.0680	1.50	1.000
1,2,3,4,7,8-HxCDF	JD	5.12	0.110	1.25	1.000
1,2,3,6,7,8-HxCDF	JD	1.98	0.110	1.22	1.000
1,2,3,7,8,9-HxCDF	JD	0.149	0.110	1.34	1.000
2,3,4,6,7,8-HxCDF	JD	1.62	0.110	1.22	1.000
1,2,3,4,6,7,8-HpCDF	D	42.8	0.170	1.05	1.000
1,2,3,4,7,8,9-HpCDF	JD	3.12	0.170	1.11	1.000
OCDF	BD	144	0.244	0.89	1.002
Total Tetra-Dioxins	D	5.31	0.0653		
Total Penta-Dioxins	D	12.9	0.0485		
Total Hexa-Dioxins	D	96.7	0.200		
Total Hepta-Dioxins	BD	736	0.488		
Total Tetra-Furans	D	31.0	0.188		
Total Penta-Furans	D	46.6	0.0680		
Total Hexa-Furans	D	71.7	0.110		
Total Hepta-Furans	D	154	0.170		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD3_1.xls_S4

Approved by:  QA/QC Chemist

30-03-2005
 dd-mm-yyyy

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	14-Mar-2005 12:20
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7707-3 i
Sample Receipt Date: 24-Mar-2005	Sample Size:	10.3 g (dry)
Extraction Date: 29-Apr-2005	Initial Calibration Date:	26-Apr-2005
Analysis Date: 13-May-2005	Instrument ID:	HR GC/MS
Time: 6:11:28	GC Column ID:	DB-5
Extract Volume (µL): 20	Sample Datafile:	DX52_203 S:12
Injection Volume (µL): 1.0	Blank Data Filename:	DX52_203 S:4
Dilution Factor: N/A	Cal. Ver. Data Filename:	DX52_203 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture:	31.1

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JB	0.560	0.0488	0.79	1.001
1,2,3,7,8-PeCDD ³	JB	1.89	0.0488	0.66	1.000
1,2,3,4,7,8-HxCDD	JB	2.60	0.0990	1.26	1.000
1,2,3,6,7,8-HxCDD	B	11.2	0.0990	1.27	1.001
1,2,3,7,8,9-HxCDD	B	8.17	0.0990	1.29	1.010
1,2,3,4,6,7,8-HpCDD	B	330	0.206	1.05	1.000
OCDD	B	2960	0.364	0.89	1.000
2,3,7,8-TCDF		42.2	1.30	0.79	1.002
1,2,3,7,8-PeCDF	J	1.62	0.0488	1.59	1.001
2,3,4,7,8-PeCDF		7.64	0.0488	1.58	1.000
1,2,3,4,7,8-HxCDF		7.70	0.0640	1.27	1.000
1,2,3,6,7,8-HxCDF	J	2.58	0.0640	1.29	1.000
1,2,3,7,8,9-HxCDF	J	0.140	0.0640	1.20	1.000
2,3,4,6,7,8-HxCDF	J	1.85	0.0640	1.23	1.000
1,2,3,4,6,7,8-HpCDF		49.4	0.131	1.05	1.000
1,2,3,4,7,8,9-HpCDF	J	3.26	0.131	1.03	1.000
OCDF		185	0.126	0.89	1.002
Total Tetra-Dioxins		5.99	0.0488		
Total Penta-Dioxins	B	13.4	0.0488		
Total Hexa-Dioxins		88.6	0.0990		
Total Hepta-Dioxins	B	854	0.206		
Total Tetra-Furans		182	1.30		
Total Penta-Furans		105	0.0488		
Total Hexa-Furans		73.6	0.0640		
Total Hepta-Furans		172	0.131		

- (1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
- (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
- (3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

Form 1B
2,3,7,8 - TCDF CONFIRMATION ANALYSIS REPORT

CLIENT ID:
LDW-SS71-010

Lab Name: AXYS ANALYTICAL SERVICES
Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 24-Mar-2005
Extraction Date: 29-Apr-2005
Analysis Date: 11-May-2005 Time: 3:44:34
Extract Volume (µL): 20
Injection Volume (µL): 2.0
Dilution Factor: N/A
Concentration Units: ng/kg (dry weight basis)

Sample Collection: 14-Mar-2005 12:20
Project No.: 04-08-06-24
Lab Sample ID: L7707-3
Sample Size: 10.3 g (dry)
Initial Calibration Date: 20-Apr-2005
Instrument ID: HR GC/MS
GC Column ID: DB-225
Sample Datafile: DB53_140 S:14
Blank Data Filename: DB53_139B S:6
Cal. Ver. Data Filename: DB53_140 S:2

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDF		3.28	0.0502	0.75	1.001

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank
(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

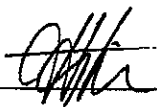
These pages are part of a larger report that may contain information necessary for full data evaluation.

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	24-Jan-2005 09:45
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7601-8 W
Sample Receipt Date: 01-Feb-2005	Sample Size:	10.3 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date:	20-Feb-2005
Analysis Date: 28-Feb-2005	Instrument ID:	HR GC/MS
Time: 5:23:41	GC Column ID:	DB-5
Extract Volume (µL): 100	Sample Datafile:	DX52_100 S:12
Injection Volume (µL): 1.0	Blank Data Filename:	DX52_092 S:5
Dilution Factor: 5	Cal. Ver. Data Filename:	DX52_100 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture:	51.6

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	1.02	0.111	0.73	1.001
1,2,3,7,8-PeCDD ³	JD	5.27	0.0689	0.59	1.001
1,2,3,4,7,8-HxCDD	JD	10.2	0.670	1.31	1.000
1,2,3,6,7,8-HxCDD	D	33.7	0.670	1.23	1.000
1,2,3,7,8,9-HxCDD	D	30.7	0.670	1.23	1.010
1,2,3,4,6,7,8-HpCDD	BD	1150	1.72	1.04	1.000
OCDD	BD	9950	23.7	0.90	1.000
2,3,7,8-TCDF	D	6.10	0.341	0.79	1.001
1,2,3,7,8-PeCDF	JD	2.18	0.170	1.53	1.000
2,3,4,7,8-PeCDF	JBD	3.52	0.170	1.55	1.000
1,2,3,4,7,8-HxCDF	JD	10.4	0.190	1.31	1.000
1,2,3,6,7,8-HxCDF	JD	5.39	0.190	1.34	1.000
1,2,3,7,8,9-HxCDF	JD	0.443	0.190	1.23	1.000
2,3,4,6,7,8-HxCDF	JD	4.83	0.190	1.32	1.000
1,2,3,4,6,7,8-HpCDF	D	138	0.400	1.05	1.000
1,2,3,4,7,8,9-HpCDF	JD	10.3	0.400	1.09	1.000
OCDF	BD	451	0.696	0.90	1.002
Total Tetra-Dioxins	D	15.6	0.111		
Total Penta-Dioxins	D	34.7	0.0689		
Total Hexa-Dioxins	D	412	0.670		
Total Hepta-Dioxins	BD	5430	1.72		
Total Tetra-Furans	D	49.2	0.341		
Total Penta-Furans	D	90.6	0.170		
Total Hexa-Furans	D	202	0.190		
Total Hepta-Furans	D	509	0.400		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.



Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-84-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	19-Jan-2005 17:20
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	17601-14 W
Sample Receipt Date: 01-Feb-2005	Sample Size:	11.0 g (dry)
Extraction Date: 12-May-2005	Initial Calibration Date:	26-Apr-2005
Analysis Date: 03-Jun-2005 Time: 5:46:53	Instrument ID:	HR GC/MS
Extract Volume (µL): 200	GC Column ID:	DB-5
Injection Volume (µL): 1.0	Sample Datafile:	DX52_235A S:11
Dilution Factor: 10	Blank Data Filename:	DX52_234 S:6
Concentration Units: ng/kg (dry weight basis)	Cat. Ver. Data Filename:	DX52_235A S:1

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD					
1,2,3,7,8-PeCDD ³					
1,2,3,4,7,8-HxCDD					
1,2,3,6,7,8-HxCDD					
1,2,3,7,8,9-HxCDD					
1,2,3,4,6,7,8-HpCDD					
OCDD	BD	103000	1060	0.89	1.000
2,3,7,8-TCDF					
1,2,3,7,8-PeCDF					
2,3,4,7,8-PeCDF					
1,2,3,4,7,8-HxCDF					
1,2,3,6,7,8-HxCDF					
1,2,3,7,8,9-HxCDF					
2,3,4,6,7,8-HxCDF					
1,2,3,4,6,7,8-HpCDF					
1,2,3,4,7,8,9-HpCDF					
OCDF					
Total Tetra-Dioxins					
Total Penta-Dioxins					
Total Hexa-Dioxins					
Total Hepta-Dioxins					
Total Tetra-Furans					
Total Penta-Furans					
Total Hexa-Furans					
Total Hepta-Furans					

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

0072

15727DD2_1.xls, 55

Approved by: *[Signature]* QA/QC Chemist

10-06-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-84-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	19-Jan-2005 17:20
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	I 7601-14 LW
Sample Receipt Date: 01-Feb-2005	Sample Size:	11.0 g (dry)
Extraction Date: 12-May-2005	Initial Calibration Date:	26-Apr-2005
Analysis Date: 08-Jun-2005 Time: 8:06:23	Instrument ID:	HR GC/MS
Extract Volume (µL): 200	GC Column ID:	DB-5
Injection Volume (µL): 1.0	Sample Datafile:	DX52_244C S:10
Dilution Factor: 10	Blank Data Filename:	DX52_234 S:6
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename:	DX52_244C S:1
	% Moisture:	35.5

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	D	30.6	0.211	0.79	1.001
1,2,3,7,8-PeCDD ³	D	57.1	0.629	0.63	1.001
1,2,3,4,7,8-HxCDD	D	66.7	0.780	1.25	1.000
1,2,3,6,7,8-HxCDD	D	401	0.780	1.28	1.000
1,2,3,7,8,9-HxCDD	D	308	0.780	1.27	1.010
1,2,3,4,6,7,8-HpCDD	BD	11400	3.53	1.05	1.000
OCDD	E				
2,3,7,8-TCDF	U	46.6	1.15	0.77	1.002
1,2,3,7,8-PeCDF	JD	16.5	0.334	1.63	1.000
2,3,4,7,8-PeCDF	D	56.0	0.334	1.53	1.000
1,2,3,4,7,8-HxCDF	D	382	0.840	1.25	1.000
1,2,3,6,7,8-HxCDF	D	85.8	0.840	1.22	1.000
1,2,3,7,8,9-HxCDF	JD	5.74	0.840	1.19	1.000
2,3,4,6,7,8-HxCDF	D	50.9	0.840	1.18	1.000
1,2,3,4,6,7,8-HpCDF	D	2360	2.51	1.04	1.001
1,2,3,4,7,8,9-HpCDF	BD	147	2.51	1.02	1.000
OCDF	BD	7320	5.86	0.89	1.002
Total Tetra-Dioxins	D	162	0.211		
Total Penta-Dioxins	D	376	0.629		
Total Hexa-Dioxins	D	2970	0.780		
Total Hepta-Dioxins	BD	21900	3.53		
Total Tetra-Furans	D	246	1.15		
Total Penta-Furans	D	804	0.334		
Total Hexa-Furans	D	3240	0.840		
Total Hepta-Furans	D	8140	2.51		

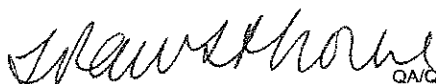
(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

0074

15727DD3_1.xls, S2

Approved by:



QA/QC Chemist

10-06-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-109-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	25-Jan-2005 15:28
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7787-1
Sample Receipt Date: 29-Apr-2005	Sample Size:	11.2 g (dry)
Extraction Date: 12-May-2005	Initial Calibration Date:	13-May-2005
Analysis Date: 23-May-2005 Time: 7:53:50	Instrument ID:	HR GC/MS
Extract Volume (µL): 20	GC Column ID:	DB-5
Injection Volume (µL): 1.0	Sample Datafile:	DX5B_186A S:11
Dilution Factor: N/A	Blank Data Filename:	DX52_234 S:6
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename:	DX5B_186A S:1
	% Moisture:	51.8

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD		1.89	0.0499	0.81	1.001
1,2,3,7,8-PeCDD ³		4.61	0.0490	0.66	1.001
1,2,3,4,7,8-HxCDD		6.00	0.220	1.23	1.000
1,2,3,6,7,8-HxCDD		24.7	0.220	1.25	1.000
1,2,3,7,8,9-HxCDD		17.4	0.220	1.21	1.010
1,2,3,4,6,7,8-HpCDD	B	605	0.238	1.06	1.000
OCDD	B	6080	0.347	0.89	1.000
2,3,7,8-TCDF		89.6	0.427	0.81	1.002
1,2,3,7,8-PeCDF		17.5	0.180	1.54	1.001
2,3,4,7,8-PeCDF		94.7	0.180	1.57	1.001
1,2,3,4,7,8-HxCDF		261	0.210	1.25	1.000
1,2,3,6,7,8-HxCDF		95.7	0.210	1.23	1.000
1,2,3,7,8,9-HxCDF		5.08	0.210	1.21	1.000
2,3,4,6,7,8-HxCDF		40.7	0.210	1.24	1.000
1,2,3,4,6,7,8-HpCDF		277	0.360	1.07	1.000
1,2,3,4,7,8,9-HpCDF	B	91.7	0.360	1.08	1.000
OCDF	B	383	0.108	0.90	1.002
Total Tetra-Dioxins		30.9	0.0499		
Total Penta-Dioxins		52.4	0.0490		
Total Hexa-Dioxins		181	0.220		
Total Hepta-Dioxins	B	1320	0.238		
Total Tetra-Furans		644	0.427		
Total Penta-Furans		1040	0.180		
Total Hexa-Furans		1080	0.210		
Total Hepta-Furans		743	0.360		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15727DD5_1.xls, S6

Approved by:



QA/QC Chemist

10-06-2005
dd-mm-yyyy

0093



Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-123-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 16:35
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-13 W
Sample Receipt Date: 01-Feb-2005	Sample Size: 9.97 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 27-Feb-2005	Instrument ID: HR GC/MS
Time: 23:56:08	GC Column ID: DB-5
Extract Volume (µL): 60	Sample Datafile: DX52_100 S:8
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 3	Cal. Ver. Data Filename: DX52_100 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 26.4

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.247	0.0657	0.68	1.001
1,2,3,7,8-PeCDD ³	JD	0.661	0.0502	0.68	1.000
1,2,3,4,7,8-HxCDD	JD	0.694	0.0850	1.07	1.000
1,2,3,6,7,8-HxCDD	JD	4.57	0.0850	1.26	1.000
1,2,3,7,8,9-HxCDD	JD	2.50	0.0850	1.21	1.010
1,2,3,4,6,7,8-HpCDD	BD	107	0.204	1.03	1.000
OCDD	BD	830	0.187	0.90	1.000
2,3,7,8-TCDF	JD	1.29	0.147	0.73	1.001
1,2,3,7,8-PeCDF	JD	0.566	0.100	1.49	1.000
2,3,4,7,8-PeCDF	JBD	1.19	0.100	1.51	1.000
1,2,3,4,7,8-HxCDF	JD	7.33	0.0910	1.20	1.000
1,2,3,6,7,8-HxCDF	JD	2.00	0.0910	1.29	1.000
1,2,3,7,8,9-HxCDF	JD	0.186	0.0910	1.20	1.000
2,3,4,6,7,8-HxCDF	JD	1.09	0.0910	1.17	1.000
1,2,3,4,6,7,8-HpCDF	D	35.8	0.0850	1.02	1.000
1,2,3,4,7,8,9-HpCDF	JD	4.32	0.0850	0.95	1.000
OCDF	BD	104	0.0554	0.90	1.002
Total Tetra-Dioxins	D	3.27	0.0657		
Total Penta-Dioxins	D	4.82	0.0502		
Total Hexa-Dioxins	D	31.8	0.0850		
Total Hepta-Dioxins	BD	224	0.204		
Total Tetra-Furans	D	12.5	0.147		
Total Penta-Furans	D	22.0	0.100		
Total Hexa-Furans	D	61.6	0.0910		
Total Hepta-Furans	D	135	0.0850		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD3_1.xls, S3

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QA/QC Chemist

30-03-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-203-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 16:35
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-12 W
Sample Receipt Date: 01-Feb-2005	Sample Size: 10.1 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 27-Feb-2005	Instrument ID: HR GC/MS
Time: 23:01:32	GC Column ID: DB-5
Extract Volume (µL): 60	Sample Datafile: DX52_100 S:5
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 3	Cal. Ver. Data Filename: DX52_100 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 30.8

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.273	0.0603	0.66	1.001
1,2,3,7,8-PeCDD ³	JD	0.661	0.0534	0.60	1.000
1,2,3,4,7,8-HxCDD	JD	0.786	0.100	1.05	1.000
1,2,3,6,7,8-HxCDD	JD	4.88	0.100	1.33	1.000
1,2,3,7,8,9-HxCDD	JD	2.80	0.100	1.16	1.010
1,2,3,4,6,7,8-HpCDD	BD	112	0.179	1.03	1.000
OCDD	BD	894	0.203	0.90	1.000
2,3,7,8-TCDF	JD	1.37	0.128	0.79	1.002
1,2,3,7,8-PeCDF	JD	0.634	0.0810	1.43	1.000
2,3,4,7,8-PeCDF	JBD	1.34	0.0810	1.49	1.000
1,2,3,4,7,8-HxCDF	JD	8.08	0.150	1.28	1.000
1,2,3,6,7,8-HxCDF	JD	2.05	0.150	1.35	1.000
1,2,3,7,8,9-HxCDF	JD	0.219	0.150	1.38	1.000
2,3,4,6,7,8-HxCDF	JD	1.12	0.150	1.37	1.000
1,2,3,4,6,7,8-HpCDF	D	35.8	0.120	1.05	1.000
1,2,3,4,7,8,9-HpCDF	JD	4.34	0.120	1.01	1.000
OCDF	BD	79.3	0.0495	0.90	1.002
Total Tetra-Dioxins	D	3.23	0.0603		
Total Penta-Dioxins	D	5.71	0.0534		
Total Hexa-Dioxins	D	33.3	0.100		
Total Hepta-Dioxins	BD	242	0.179		
Total Tetra-Furans	D	13.1	0.128		
Total Penta-Furans	D	23.2	0.0810		
Total Hexa-Furans	D	65.5	0.150		
Total Hepta-Furans	D	130	0.120		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD3_1.xls, S2

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QA/QC Chemist

30-03-2005
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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-127-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 20-Jan-2005 13:34
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-3 W
Sample Receipt Date: 01-Feb-2005	Sample Size: 11.1 g (dry)
Extraction Date: 10-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 28-Feb-2005	Instrument ID: HR GC/MS
Time: 1:45:19	GC Column ID: DB-5
Extract Volume (µL): 60	Sample Datafile: DX52_100 S:8
Injection Volume (µL): 1.0	Blank Data Filename: DX52_092 S:5
Dilution Factor: 3	Cal. Ver. Data Filename: DX52_100 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 64.8

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.747	0.0810	0.74	1.001
1,2,3,7,8-PeCDD ³	JD	2.25	0.0451	0.62	1.001
1,2,3,4,7,8-HxCDD	JD	3.59	0.310	1.35	1.000
1,2,3,6,7,8-HxCDD	JD	13.5	0.310	1.26	1.000
1,2,3,7,8,9-HxCDD	JD	11.8	0.310	1.27	1.010
1,2,3,4,6,7,8-HpCDD	BD	387	0.514	1.05	1.000
OCDD	BD	3890	16.7	0.90	1.000
2,3,7,8-TCDF	D	3.88	0.211	0.84	1.001
1,2,3,7,8-PeCDF	JD	0.973	0.100	1.40	1.000
2,3,4,7,8-PeCDF	JBD	2.00	0.100	1.42	1.001
1,2,3,4,7,8-HxCDF	JD	5.88	0.110	1.30	1.000
1,2,3,6,7,8-HxCDF	JD	2.60	0.110	1.39	1.000
1,2,3,7,8,9-HxCDF	JD	0.207	0.110	1.16	1.000
2,3,4,6,7,8-HxCDF	JD	1.98	0.110	1.19	1.000
1,2,3,4,6,7,8-HpCDF	D	64.0	0.360	1.05	1.000
1,2,3,4,7,8,9-HpCDF	JD	4.97	0.360	1.04	1.000
OCDF	BD	226	0.707	0.90	1.002
Total Tetra-Dioxins	D	8.14	0.0810		
Total Penta-Dioxins	D	16.0	0.0451		
Total Hexa-Dioxins	D	140	0.310		
Total Hepta-Dioxins	BD	1310	0.514		
Total Tetra-Furans	D	28.6	0.211		
Total Penta-Furans	D	40.0	0.100		
Total Hexa-Furans	D	92.9	0.110		
Total Hepta-Furans	D	244	0.360		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15017DD3_1.xls, S5

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QA/QC Chemist

30-03-2005
dd-mm-yyyy

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 08-Mar-2005 14:50
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7707-1 i
Sample Receipt Date: 24-Mar-2005	Sample Size: 11.1 g (dry)
Extraction Date: 29-Apr-2005	Initial Calibration Date: 26-Apr-2005
Analysis Date: 13-May-2005 Time: 5:16:58	Instrument ID: HR GC/MS
Extract Volume (µL): 20	GC Column ID: DB-5
Injection Volume (µL): 1.0	Sample Datafile: DX52_203 S:11
Dilution Factor: N/A	Blank Data Filename: DX52_203 S:4
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: DX52_203 S:1
	% Moisture: 50.3

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	B	1.07	0.0450	0.77	1.001
1,2,3,7,8-PeCDD ³	JB	2.38	0.0450	0.61	1.000
1,2,3,4,7,8-HxCDD	JB	1.86	0.0513	1.28	1.000
1,2,3,6,7,8-HxCDD	B	7.25	0.0513	1.21	1.000
1,2,3,7,8,9-HxCDD	B	7.40	0.0513	1.08	1.010
1,2,3,4,6,7,8-HpCDD	B	171	0.0938	1.06	1.000
OCDD	B	1160	0.884	0.89	1.000
2,3,7,8-TCDF		1.39	0.0450	0.79	1.002
1,2,3,7,8-PeCDF	J	0.463	0.0450	1.52	1.000
2,3,4,7,8-PeCDF	J	0.876	0.0450	1.55	1.000
1,2,3,4,7,8-HxCDF	J	3.10	0.0450	1.26	1.000
1,2,3,6,7,8-HxCDF	J	1.25	0.0450	1.22	1.000
1,2,3,7,8,9-HxCDF	J	0.172	0.0450	1.20	1.000
2,3,4,6,7,8-HxCDF	J	0.843	0.0450	1.30	1.000
1,2,3,4,6,7,8-HpCDF		21.9	0.0901	1.04	1.001
1,2,3,4,7,8,9-HpCDF	J	1.76	0.0901	1.06	1.000
OCDF		53.3	0.0621	0.88	1.002
Total Tetra-Dioxins		5.37	0.0450		
Total Penta-Dioxins	B	13.2	0.0450		
Total Hexa-Dioxins		59.2	0.0513		
Total Hepta-Dioxins	B	357	0.0938		
Total Tetra-Furans		9.95	0.0450		
Total Penta-Furans		16.0	0.0450		
Total Hexa-Furans		38.1	0.0450		
Total Hepta-Furans		69.2	0.0901		

- (1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
- (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
- (3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15383DD1_1.xls, S8

Approved by: _____

QA/QC Chemist

08-06-2005
dd-mm-yyyy

0064

Form 1B
2,3,7,8 - TCDF CONFIRMATION ANALYSIS REPORT

CLIENT ID:
LDW-SS131-010

Lab Name: AXYS ANALYTICAL SERVICES
Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 24-Mar-2005
Extraction Date: 29-Apr-2005
Analysis Date: 11-May-2005 Time: 0:46:23
Extract Volume (µL): 20
Injection Volume (µL): 2.0
Dilution Factor: N/A
Concentration Units: ng/kg (dry weight basis)

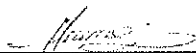
Sample Collection: 08-Mar-2005 14:50
Project No.: 04-08-06-24
Lab Sample ID: L7707-1
Sample Size: 11.1 g (dry)
Initial Calibration Date: 20-Apr-2005
Instrument ID: HR GC/MS
GC Column ID: DB-225
Sample Datafile: DB53_140 S:9
Blank Data Filename: DB53_139B S:6
Cal. Ver. Data Filename: DB53_140 S:2

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDF	J	0.614	0.0550	0.87	1.000

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank
(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15383cDD2_1.xls, S2

Approved by:  QA/QC Chemist

08-08-2005
dd-mm-yyyy

0066

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS206-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	08-Mar-2005 14:50
Contract No.: 1033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7707-2 i2
Sample Receipt Date: 24-Mar-2005	Sample Size:	10.8 g (dry)
Extraction Date: 29-Apr-2005	Initial Calibration Date:	26-Apr-2005
Analysis Date: 18-May-2005	Instrument ID:	HR GC/MS
Time: 4:30:19	GC Column ID:	DB-5
Extract Volume (µL): 20	Sample Datafile:	DX52_210 S:11
Injection Volume (µL): 1.0	Blank Data Filename:	DX52_203 S:4
Dilution Factor: N/A	Cal. Ver. Data Filename:	DX52_210 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture:	51.1

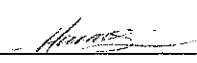
COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	B	2.41	0.0460	0.76	1.001
1,2,3,7,8-PeCDD ³	B	7.98	0.0460	0.60	1.000
1,2,3,4,7,8-HxCDD	B	5.40	0.146	1.27	1.000
1,2,3,6,7,8-HxCDD	B	24.8	0.146	1.25	1.000
1,2,3,7,8,9-HxCDD	B	21.9	0.146	1.19	1.010
1,2,3,4,6,7,8-HpCDD	B	395	0.411	1.05	1.000
OCDD	B	2060	9.29	0.89	1.000
2,3,7,8-TCDF		1.55	0.116	0.80	1.001
1,2,3,7,8-PeCDF	J	0.474	0.0460	1.50	0.996
2,3,4,7,8-PeCDF	J	1.94	0.0460	1.53	1.001
1,2,3,4,7,8-HxCDF		7.20	0.0960	1.25	1.000
1,2,3,6,7,8-HxCDF	J	3.00	0.0960	1.30	1.000
1,2,3,7,8,9-HxCDF	J	0.526	0.0960	1.14	1.001
2,3,4,6,7,8-HxCDF	J	1.93	0.0960	1.31	1.000
1,2,3,4,6,7,8-HpCDF		51.7	0.348	1.04	1.000
1,2,3,4,7,8,9-HpCDF	J	3.32	0.348	1.06	1.000
OCDF		73.9	0.205	0.90	1.002
Total Tetra-Dioxins		10.1	0.0460		
Total Penta-Dioxins	B	28.4	0.0460		
Total Hexa-Dioxins		190	0.146		
Total Hepta-Dioxins	B	766	0.411		
Total Tetra-Furans		10.9	0.116		
Total Penta-Furans		34.9	0.0460		
Total Hexa-Furans		142	0.0960		
Total Hepta-Furans		174	0.348		

- (1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
- (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 8, respectively, Method 1613.
- (3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15383DD2_1.xls, S8

Approved by: _____



QA/QC Chemist

08-06-2005
dd-mm-yyyy

0069

Form 1B
2,3,7,8 - TCDF CONFIRMATION ANALYSIS REPORT

CLIENT ID:
LDW-SS206-010

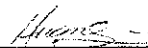
Lab Name: AXYS ANALYTICAL SERVICES
Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 24-Mar-2005
Extraction Date: 29-Apr-2005
Analysis Date: 11-May-2005 Time: 1:22:05
Extract Volume (µL): 20
Injection Volume (µL): 2.0
Dilution Factor: N/A
Concentration Units: ng/kg (dry weight basis)

Sample Collection: 08-Mar-2005 14:50
Project No.: 04-08-06-24
Lab Sample ID: 17707-2
Sample Size: 10.8 g (dry)
Initial Calibration Date: 20-Apr-2005
Instrument ID: HR GC/MS
GC Column ID: DB-225
Sample Datafile: DB53_140 S:10
Blank Data Filename: DB53_139B S:6
Cal. Ver. Data Filename: DB53_140 S:2

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDF	J	0.728	0.0920	0.88	1.000

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank
(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

These pages are part of a larger report that may contain information necessary for full data evaluation.



Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LDW-SS-143-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	26-Jan-2005 11:44
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7787-2
Sample Receipt Date: 29-Apr-2005	Sample Size:	12.3 g (dry)
Extraction Date: 12-May-2005	Initial Calibration Date:	13-May-2005
Analysis Date: 22-May-2005	Instrument ID:	HR GC/MS
Time: 3:38:32	GC Column ID:	DB-5
Extract Volume (µL): 20	Sample Datafile:	DX5B_184 S:9
Injection Volume (µL): 1.0	Blank Data Filename:	DX52_234 S:6
Dilution Factor: N/A	Cal. Ver. Data Filename:	DX5B_184 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture:	38.8

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	J	0.425	0.0410	0.73	1.001
1,2,3,7,8-PeCDD ³	J	0.715	0.0820	0.70	1.001
1,2,3,4,7,8-HxCDD	J	0.928	0.114	1.15	1.000
1,2,3,6,7,8-HxCDD	J	3.55	0.114	1.20	1.000
1,2,3,7,8,9-HxCDD	J	2.80	0.114	1.10	1.009
1,2,3,4,6,7,8-HpCDD	B	67.9	0.331	1.07	1.000
OCDD	B	628	9.26	0.90	1.000
2,3,7,8-TCDF		4.10	0.112	0.82	1.002
1,2,3,7,8-PeCDF	J	0.537	0.0480	1.41	1.001
2,3,4,7,8-PeCDF	J	2.71	0.0480	1.50	1.000
1,2,3,4,7,8-HxCDF	J	2.96	0.0970	1.20	1.000
1,2,3,6,7,8-HxCDF	J	1.44	0.0970	1.33	1.000
1,2,3,7,8,9-HxCDF	J	0.112	0.0970	1.37	1.000
2,3,4,6,7,8-HxCDF	J	0.867	0.0970	1.14	1.000
1,2,3,4,6,7,8-HpCDF		15.5	0.160	1.06	1.000
1,2,3,4,7,8,9-HpCDF	JB	1.30	0.160	1.03	1.000
OCDF	B	36.3	0.551	0.90	1.002
Total Tetra-Dioxins		3.23	0.0410		
Total Penta-Dioxins		3.25	0.0820		
Total Hexa-Dioxins		28.5	0.114		
Total Hepta-Dioxins	B	175	0.331		
Total Tetra-Furans		44.2	0.112		
Total Penta-Furans		36.6	0.0480		
Total Hexa-Furans		31.1	0.0970		
Total Hepta-Furans		42.6	0.160		

- (1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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Approved by: Maw Khor QA/QC Chemist

10-06-2005
dd-mm-yyyy

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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
DRD-SS7-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	02-Feb-2005 11:13
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7611-7 W
Sample Receipt Date: 09-Feb-2005	Sample Size:	10.2 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date:	03-Apr-2005
Analysis Date: 04-Apr-2005	Instrument ID:	HR GC/MS
Time: 11:12:13	GC Column ID:	DB-5
Extract Volume (µL): 60	Sample Datafile:	DX5C_174 S:4
Injection Volume (µL): 1.0	Blank Data Filename:	DX52_127 S:5
Dilution Factor: 3	Cal. Ver. Data Filename:	DX5C_174 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture:	44.9

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	KJD	0.239	0.0490	0.58	1.001
1,2,3,7,8-PeCDD ³	JD	0.763	0.0490	0.69	1.000
1,2,3,4,7,8-HxCDD	JD	0.869	0.150	1.10	1.000
1,2,3,6,7,8-HxCDD	JD	1.99	0.150	1.36	1.000
1,2,3,7,8,9-HxCDD	JD	1.86	0.150	1.08	1.010
1,2,3,4,6,7,8-HpCDD	BD	41.7	0.361	0.98	1.000
OCDD	BD	316	0.339	0.89	1.000
2,3,7,8-TCDF	JD	0.680	0.160	0.81	1.001
1,2,3,7,8-PeCDF	JD	0.575	0.0530	1.78	1.000
2,3,4,7,8-PeCDF	JD	0.659	0.0530	1.42	1.000
1,2,3,4,7,8-HxCDF	JD	1.12	0.210	1.08	1.000
1,2,3,6,7,8-HxCDF	JD	0.682	0.210	1.32	1.000
1,2,3,7,8,9-HxCDF	JD	0.336	0.210	1.27	1.000
2,3,4,6,7,8-HxCDF	JD	0.624	0.210	1.39	1.000
1,2,3,4,6,7,8-HpCDF	JD	7.31	0.260	1.08	1.000
1,2,3,4,7,8,9-HpCDF	JD	0.882	0.260	1.04	1.000
OCDF	JBD	19.1	0.111	0.88	1.002
Total Tetra-Dioxins	D	1.86	0.0490		
Total Penta-Dioxins	D	4.15	0.0490		
Total Hexa-Dioxins	D	17.1	0.150		
Total Hepta-Dioxins	BD	105	0.361		
Total Tetra-Furans	D	5.53	0.160		
Total Penta-Furans	D	9.14	0.0530		
Total Hexa-Furans	D	16.9	0.210		
Total Hepta-Furans	D	27.4	0.260		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

Approved by:  QA/QC Chemist

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
EB-S52a-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 02-Feb-2005 14:39
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7611-2 W
Sample Receipt Date: 09-Feb-2005	Sample Size: 10.6 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 29-Mar-2005	Instrument ID: HR GC/MS
Time: 14:30:01	GC Column ID: DB-5
Extract Volume (µL): 100	Sample Datafile: DX52_148 S:8
Injection Volume (µL): 1.0	Blank Data Filename: DX52_127 S:5
Dilution Factor: 5	Cal. Ver. Data Filename: DX52_148 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 39.6

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.483	0.0947	0.66	1.001
1,2,3,7,8-PeCDD ³	JD	2.80	0.0703	0.65	1.000
1,2,3,4,7,8-HxCDD	JD	4.82	0.500	1.12	1.000
1,2,3,6,7,8-HxCDD	JD	15.2	0.500	1.21	1.000
1,2,3,7,8,9-HxCDD	JD	12.0	0.500	1.20	1.010
1,2,3,4,6,7,8-HpCDD	BD	384	0.542	1.05	1.000
OCDD	BD	2760	6.20	0.90	1.000
2,3,7,8-TCDF	JD	2.36	0.397	0.81	1.001
1,2,3,7,8-PeCDF	JD	0.972	0.260	1.48	1.001
2,3,4,7,8-PeCDF	JD	1.35	0.260	1.35	1.000
1,2,3,4,7,8-HxCDF	JD	3.97	0.470	1.33	1.000
1,2,3,6,7,8-HxCDF	JD	3.06	0.470	1.22	1.000
1,2,3,7,8,9-HxCDF	UD		0.470		
2,3,4,6,7,8-HxCDF	JD	2.77	0.470	1.21	1.000
1,2,3,4,6,7,8-HpCDF	D	83.0	0.280	1.05	1.000
1,2,3,4,7,8,9-HpCDF	JD	3.93	0.280	1.09	1.000
OCDF	BD	221	0.499	0.89	1.002
Total Tetra-Dioxins	D	5.71	0.0947		
Total Penta-Dioxins	D	15.9	0.0703		
Total Hexa-Dioxins	D	117	0.500		
Total Hepta-Dioxins	BD	938	0.542		
Total Tetra-Furans	D	27.6	0.397		
Total Penta-Furans	D	54.3	0.260		
Total Hexa-Furans	D	105	0.470		
Total Hepta-Furans	D	230	0.280		

- (1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.



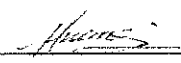
Lab Name: AXYS ANALYTICAL SERVICES
Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 09-Feb-2005
Extraction Date: 29-Apr-2005
Analysis Date: 10-May-2005 Time: 15:58:55
Extract Volume (µL): 20
Injection Volume (µL): 2.0
Dilution Factor: N/A
Concentration Units: ng/kg (dry weight basis)

Sample Collection: 02-Feb-2005 15:45
Project No.: 04-08-06-24
Lab Sample ID: L7611-3R (A)
Sample Size: 9.89 g (dry)
Initial Calibration Date: 20-Apr-2005
Instrument ID: HR GC/MS
GC Column ID: DB-225
Sample Datafile: DB53_139B S:14
Blank Data Filename: DB53_139B S:6
Cal. Ver. Data Filename: DB53_139B S:2

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDF		2.06	0.0561	0.82	1.001

- (1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank
(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

These pages are part of a larger report that may contain information necessary for full data evaluation.



Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
EB-SS2b-010
(DUPLICATE)

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4030

Matrix: SOLID

Sample Receipt Date: 09-Feb-2005

Extraction Date: 29-Apr-2005

Analysis Date: 18-May-2005

Extract Volume (µL): 100

Injection Volume (µL): 1.0

Dilution Factor: 5

Concentration Units: ng/kg (dry weight basis)

Time: 1:46:23

Sample Collection: 02-Feb-2005 15:45

Project No.: 04-08-06-24

Lab Sample ID: WG15383-104 W
(DUP L7611-3)

Sample Size: 10.6 g (dry)

Initial Calibration Date: 26-Apr-2005

Instrument ID: HR GC/MS

GC Column ID: DB-5

Sample Datafile: DX52_210 S:8

Blank Data Filename: DX52_203 S:4

Cal. Ver. Data Filename: DX52_210 S:1

% Moisture: 38.0

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JBD	0.738	0.0470	0.73	1.001
1,2,3,7,8-PeCDD ³	JBD	3.51	0.0470	0.70	1.000
1,2,3,4,7,8-HxCDD	JBD	6.89	0.280	1.24	1.000
1,2,3,6,7,8-HxCDD	JBD	18.6	0.280	1.30	1.000
1,2,3,7,8,9-HxCDD	JBD	15.8	0.280	1.17	1.010
1,2,3,4,6,7,8-HpCDD	BD	474	0.464	1.05	1.000
OCDD	BD	3610	16.4	0.89	1.000
2,3,7,8-TCDF	JD	3.34	0.310	0.80	1.001
1,2,3,7,8-PeCDF	JD	1.34	0.120	1.65	1.000
2,3,4,7,8-PeCDF	JD	1.86	0.120	1.41	1.001
1,2,3,4,7,8-HxCDF	JD	5.03	0.130	1.27	1.000
1,2,3,6,7,8-HxCDF	JD	4.23	0.130	1.20	1.001
1,2,3,7,8,9-HxCDF	JD	0.366	0.130	1.17	1.001
2,3,4,6,7,8-HxCDF	JD	3.70	0.130	1.15	1.000
1,2,3,4,6,7,8-HpCDF	D	99.5	0.673	1.05	1.000
1,2,3,4,7,8,9-HpCDF	JD	4.69	0.673	1.12	1.000
OCDF	D	293	0.773	0.89	1.002
Total Tetra-Dioxins	D	7.73	0.0470		
Total Penta-Dioxins	BD	19.0	0.0470		
Total Hexa-Dioxins	D	142	0.280		
Total Hepta-Dioxins	BD	1080	0.464		
Total Tetra-Furans	D	34.5	0.310		
Total Penta-Furans	D	67.0	0.120		
Total Hexa-Furans	D	128	0.130		
Total Hepta-Furans	D	275	0.673		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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Approved by: _____

QA/QC Chemist

08-06-2005
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0059

Form 1B
2,3,7,8 - TCDF CONFIRMATION ANALYSIS REPORT

CLIENT ID:
EB-SS2b-010
(DUPLICATE)

Lab Name: AXYS ANALYTICAL SERVICES
Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 09-Feb-2005
Extraction Date: 29-Apr-2005
Analysis Date: 10-May-2005 Time: 16:34:33
Extract Volume (µL): 20
Injection Volume (µL): 2.0
Dilution Factor: N/A
Concentration Units: ng/kg (dry weight basis)

Sample Collection: 02-Feb-2005 15:45
Project No.: 04-08-06-24
Lab Sample ID: WG15383-104 (DUP L7611-3)
Sample Size: 10.6 g (dry)
Initial Calibration Date: 20-Apr-2005
Instrument ID: HR GC/MS
GC Column ID: DB-225
Sample Datafile: DB53_139B S:15
Blank Data Filename: DB53_139B S:6
Cal. Ver. Data Filename: DB53_139B S:2

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDF		1.80	0.0473	0.78	1.001

- (1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank
(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

These pages are part of a larger report that may contain information necessary for full data evaluation.

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LU-SS9a-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 31-Jan-2005 12:55
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7611-9 W
Sample Receipt Date: 09-Feb-2005	Sample Size: 10.6 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date: 03-Apr-2005
Analysis Date: 04-Apr-2005	Instrument ID: HR GC/MS
Time: 12:06:52	GC Column ID: DB-5
Extract Volume (µL): 100	Sample Datafile: DX5C_174 S:5
Injection Volume (µL): 1.0	Blank Data Filename: DX52_127 S:5
Dilution Factor: 5	Cal. Ver. Data Filename: DX5C_174 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 21.5

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.328	0.0547	0.69	1.001
1,2,3,7,8-PeCDD ³	JD	1.32	0.0470	0.58	1.001
1,2,3,4,7,8-HxCDD	JD	1.48	0.320	1.18	1.000
1,2,3,6,7,8-HxCDD	JD	5.84	0.320	1.27	1.000
1,2,3,7,8,9-HxCDD	JD	3.45	0.320	1.10	1.010
1,2,3,4,6,7,8-HpCDD	BD	138	0.831	1.03	1.000
OCDD	BD	1000	2.96	0.88	1.000
2,3,7,8-TCDF	JD	1.10	0.196	0.81	1.002
1,2,3,7,8-PeCDF	JD	0.668	0.160	1.56	1.000
2,3,4,7,8-PeCDF	JD	0.754	0.160	1.73	1.000
1,2,3,4,7,8-HxCDF	JD	1.43	0.210	1.26	1.000
1,2,3,6,7,8-HxCDF	JD	1.55	0.210	1.23	1.000
1,2,3,7,8,9-HxCDF	KJD	0.303	0.210	1.00	1.000
2,3,4,6,7,8-HxCDF	JD	1.25	0.210	1.09	1.000
1,2,3,4,6,7,8-HpCDF	JD	22.6	1.20	1.04	1.000
1,2,3,4,7,8,9-HpCDF	JD	6.45	1.20	0.90	1.000
OCDF	BD	66.1	0.498	0.87	1.002
Total Tetra-Dioxins	D	2.04	0.0547		
Total Penta-Dioxins	D	5.65	0.0470		
Total Hexa-Dioxins	D	34.5	0.320		
Total Hepta-Dioxins	BD	251	0.831		
Total Tetra-Furans	D	13.1	0.196		
Total Penta-Furans	D	22.9	0.160		
Total Hexa-Furans	D	49.3	0.210		
Total Hepta-Furans	D	78.6	1.20		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.



Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LU-SS9b-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 01-Feb-2005 10:31
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7611-10 W
Sample Receipt Date: 09-Feb-2005	Sample Size: 9.72 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date: 03-Apr-2005
Analysis Date: 04-Apr-2005	Instrument ID: HR GC/MS
Time: 13:01:31	GC Column ID: DB-5
Extract Volume (µL): 150	Sample Datafile: DX5C_174 S:6
Injection Volume (µL): 1.0	Blank Data Filename: DX52_127 S:5
Dilution Factor: 7.5	Cal. Ver. Data Filename: DX5C_174 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 71.7

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	1.08	0.111	0.72	1.001
1,2,3,7,8-PeCDD ³	JD	5.27	0.0547	0.69	1.001
1,2,3,4,7,8-HxCDD	JD	7.14	0.970	1.32	1.000
1,2,3,6,7,8-HxCDD	JD	30.2	0.970	1.19	1.000
1,2,3,7,8,9-HxCDD	JD	19.9	0.970	1.32	1.010
1,2,3,4,6,7,8-HpCDD	BD	755	1.84	1.05	1.000
OCDD	BD	5660	15.7	0.89	1.000
2,3,7,8-TCDF	JD	6.25	0.604	0.87	1.001
1,2,3,7,8-PeCDF	JD	2.54	0.740	1.35	1.000
2,3,4,7,8-PeCDF	JD	3.50	0.740	1.34	1.000
1,2,3,4,7,8-HxCDF	JD	7.62	0.690	1.19	1.000
1,2,3,6,7,8-HxCDF	JD	5.13	0.690	1.15	1.000
1,2,3,7,8,9-HxCDF	JD	0.707	0.690	1.40	1.000
2,3,4,6,7,8-HxCDF	JD	5.69	0.690	1.17	1.000
1,2,3,4,6,7,8-HpCDF	D	120	3.50	1.03	1.000
1,2,3,4,7,8,9-HpCDF	JD	9.75	3.50	1.04	1.000
OCDF	BD	399	1.57	0.87	1.002
Total Tetra-Dioxins	D	15.2	0.111		
Total Penta-Dioxins	D	39.3	0.0547		
Total Hexa-Dioxins	D	218	0.970		
Total Hepta-Dioxins	BD	1500	1.84		
Total Tetra-Furans	D	74.6	0.604		
Total Penta-Furans	D	119	0.740		
Total Hexa-Furans	D	229	0.690		
Total Hepta-Furans	D	413	3.50		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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Approved by: _____



QA/QC Chemist

11-04-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:

LW-SS3-010

Lab Name: **AXYS ANALYTICAL SERVICES**

Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 09-Feb-2005
Extraction Date: 21-Feb-2005
Analysis Date: 29-Mar-2005
Extract Volume (µL): 100
Injection Volume (µL): 1.0
Dilution Factor: 5
Concentration Units: ng/kg (dry weight basis)

Time: 15:24:36

Sample Collection: 01-Feb-2005 12:50
Project No.: 04-08-06-24
Lab Sample ID: L7611-4 W
Sample Size: 8.93 g (dry)
Initial Calibration Date: 20-Feb-2005
Instrument ID: HR GC/MS
GC Column ID: DB-5
Sample Datafile: DX52_148 S:9
Blank Data Filename: DX52_127 S:5
Cal. Ver. Data Filename: DX52_148 S:1
% Moisture: 70.3

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.499	0.104	0.82	1.001
1,2,3,7,8-PeCDD ³	JD	2.31	0.103	0.61	1.000
1,2,3,4,7,8-HxCDD	JD	4.42	0.950	1.28	1.000
1,2,3,6,7,8-HxCDD	JD	19.4	0.950	1.30	1.000
1,2,3,7,8,9-HxCDD	JD	12.0	0.950	1.20	1.010
1,2,3,4,6,7,8-HpCDD	BD	425	0.685	1.04	1.000
OCDD	BD	2940	0.811	0.89	1.000
2,3,7,8-TCDF	JD	2.44	0.259	0.74	1.001
1,2,3,7,8-PeCDF	JD	1.29	0.270	1.43	1.000
2,3,4,7,8-PeCDF	JD	1.42	0.270	1.66	1.000
1,2,3,4,7,8-HxCDF	JD	3.60	0.620	1.27	1.001
1,2,3,6,7,8-HxCDF	JD	2.85	0.620	1.37	1.000
1,2,3,7,8,9-HxCDF	UD		0.620		
2,3,4,6,7,8-HxCDF	JD	2.73	0.620	1.31	1.000
1,2,3,4,6,7,8-HpCDF	D	55.6	0.290	1.02	1.000
1,2,3,4,7,8,9-HpCDF	JD	3.39	0.290	1.02	1.000
OCDF	BD	143	0.195	0.89	1.002
Total Tetra-Dioxins	D	6.47	0.104		
Total Penta-Dioxins	D	19.2	0.103		
Total Hexa-Dioxins	D	142	0.950		
Total Hepta-Dioxins	BD	1090	0.685		
Total Tetra-Furans	D	24.9	0.259		
Total Penta-Furans	D	40.7	0.270		
Total Hexa-Furans	D	93.1	0.620		
Total Hepta-Furans	D	175	0.290		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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QA/QC Chemist

11-04-2005
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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LW-SS6-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 01-Feb-2005 12:50
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7611-5 W
Sample Receipt Date: 09-Feb-2005	Sample Size: 10.2 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 29-Mar-2005	Instrument ID: HR GC/MS
Time: 16:19:11	GC Column ID: DB-5
Extract Volume (µL): 100	Sample Datafile: DX52_148 S:10
Injection Volume (µL): 1.0	Blank Data Filename: DX52_127 S:5
Dilution Factor: 5	Cal. Ver. Data Filename: DX52_148 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 70.9

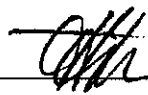
COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.398	0.118	0.88	1.001
1,2,3,7,8-PeCDD ³	JD	2.24	0.0933	0.63	1.001
1,2,3,4,7,8-HxCDD	JD	4.18	0.370	1.29	1.000
1,2,3,6,7,8-HxCDD	JD	18.2	0.370	1.30	1.000
1,2,3,7,8,9-HxCDD	JD	11.5	0.370	1.20	1.010
1,2,3,4,6,7,8-HpCDD	BD	381	0.783	1.05	1.000
OCDD	BD	2650	1.10	0.90	1.000
2,3,7,8-TCDF	JD	2.30	0.274	0.74	1.001
1,2,3,7,8-PeCDF	JD	1.29	0.320	1.42	1.000
2,3,4,7,8-PeCDF	JD	1.58	0.320	1.65	1.000
1,2,3,4,7,8-HxCDF	JD	3.55	0.540	1.41	1.000
1,2,3,6,7,8-HxCDF	JD	2.64	0.540	1.43	1.000
1,2,3,7,8,9-HxCDF	UD		0.540		
2,3,4,6,7,8-HxCDF	JD	2.53	0.540	1.37	1.000
1,2,3,4,6,7,8-HpCDF	D	52.5	0.330	1.05	1.000
1,2,3,4,7,8,9-HpCDF	JD	3.18	0.330	0.88	1.000
OCDF	BD	124	0.124	0.89	1.002
Total Tetra-Dioxins	D	6.15	0.118		
Total Penta-Dioxins	D	16.4	0.0933		
Total Hexa-Dioxins	D	134	0.370		
Total Hepta-Dioxins	BD	964	0.783		
Total Tetra-Furans	D	24.6	0.274		
Total Penta-Furans	D	40.1	0.320		
Total Hexa-Furans	D	93.2	0.540		
Total Hepta-Furans	D	160	0.330		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LW-SS4-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 08-Feb-2005 09:02
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7630-1 W
Sample Receipt Date: 15-Feb-2005	Sample Size: 10.6 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date: 03-Apr-2005
Analysis Date: 04-Apr-2005	Instrument ID: HR GC/MS
Time: 14:50:49	GC Column ID: DB-5
Extract Volume (µL): 150	Sample Datafile: DX5C_174 S:8
Injection Volume (µL): 1.0	Blank Data Filename: DX52_127 S:5
Dilution Factor: 7.5	Cal. Ver. Data Filename: DX5C_174 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 85.1

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.926	0.139	0.88	1.000
1,2,3,7,8-PeCDD ³	JD	2.62	0.470	0.62	1.000
1,2,3,4,7,8-HxCDD	JD	4.76	0.890	1.22	1.000
1,2,3,6,7,8-HxCDD	JD	17.0	0.890	1.15	1.000
1,2,3,7,8,9-HxCDD	JD	11.0	0.890	1.16	1.010
1,2,3,4,6,7,8-HpCDD	BD	429	1.50	1.03	1.000
OCDD	BD	3080	3.78	0.89	1.000
2,3,7,8-TCDF	JD	5.46	0.437	0.81	1.001
1,2,3,7,8-PeCDF	JD	2.45	0.330	1.33	1.000
2,3,4,7,8-PeCDF	JD	2.43	0.330	1.36	1.000
1,2,3,4,7,8-HxCDF	JD	4.02	0.590	1.15	1.000
1,2,3,6,7,8-HxCDF	JD	2.61	0.590	1.42	1.000
1,2,3,7,8,9-HxCDF	UD		0.590		
2,3,4,6,7,8-HxCDF	JD	2.64	0.590	1.41	1.000
1,2,3,4,6,7,8-HpCDF	D	48.5	0.960	1.09	1.001
1,2,3,4,7,8,9-HpCDF	JD	3.82	0.960	0.95	1.000
OCDF	BD	111	0.115	0.92	1.002
Total Tetra-Dioxins	D	8.17	0.139		
Total Penta-Dioxins	D	18.3	0.470		
Total Hexa-Dioxins	D	181	0.890		
Total Hepta-Dioxins	BD	1390	1.50		
Total Tetra-Furans	D	47.6	0.437		
Total Penta-Furans	D	60.4	0.330		
Total Hexa-Furans	D	143	0.590		
Total Hepta-Furans	D	156	0.960		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LW-SS5a-010

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 15-Feb-2005
Extraction Date: 21-Feb-2005
Analysis Date: 04-Apr-2005 Time: 15:45:32
Extract Volume (µL): 100
Injection Volume (µL): 1.0
Dilution Factor: 5
Concentration Units: ng/kg (dry weight basis)

Sample Collection: 08-Feb-2005 10:57
Project No.: 04-08-06-24
Lab Sample ID: L7630-2 W
Sample Size: 10.5 g (dry)
Initial Calibration Date: 03-Apr-2005
Instrument ID: HR GC/MS
GC Column ID: DB-5
Sample Datafile: DX5C_174 S:9
Blank Data Filename: DX52_127 S:5
Cal. Ver. Data Filename: DX5C_174 S:1
% Moisture: 50.4

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.779	0.0498	0.87	1.001
1,2,3,7,8-PeCDD ³	JD	3.06	0.480	0.66	1.001
1,2,3,4,7,8-HxCDD	JD	5.29	0.270	1.26	1.000
1,2,3,6,7,8-HxCDD	JD	16.5	0.270	1.23	1.000
1,2,3,7,8,9-HxCDD	JD	12.6	0.270	1.25	1.010
1,2,3,4,6,7,8-HpCDD	BD	353	0.924	1.02	1.000
OCDD	BD	2500	11.3	0.89	1.000
2,3,7,8-TCDF	JD	2.87	0.310	0.81	1.001
1,2,3,7,8-PeCDF	JD	1.83	0.300	1.66	1.000
2,3,4,7,8-PeCDF	JD	2.04	0.300	1.51	1.000
1,2,3,4,7,8-HxCDF	JD	3.93	0.230	1.12	1.000
1,2,3,6,7,8-HxCDF	JD	3.00	0.230	1.41	1.000
1,2,3,7,8,9-HxCDF	KJD	0.253	0.230	1.87	1.000
2,3,4,6,7,8-HxCDF	JD	2.89	0.230	1.12	1.000
1,2,3,4,6,7,8-HpCDF	D	61.8	0.830	1.03	1.000
1,2,3,4,7,8,9-HpCDF	JD	3.98	0.830	1.12	1.000
OCDF	BD	208	1.00	0.87	1.002
Total Tetra-Dioxins	D	7.45	0.0498		
Total Penta-Dioxins	D	21.2	0.480		
Total Hexa-Dioxins	D	111	0.270		
Total Hepta-Dioxins	BD	667	0.924		
Total Tetra-Furans	D	30.1	0.310		
Total Penta-Furans	D	66.3	0.300		
Total Hexa-Furans	D	133	0.230		
Total Hepta-Furans	D	211	0.830		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and Ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
LW-SS5b-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 08-Feb-2005 12:54
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7630-3 W
Sample Receipt Date: 15-Feb-2005	Sample Size: 10.5 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date: 03-Apr-2005
Analysis Date: 04-Apr-2005	Instrument ID: HR GC/MS
Time: 16:40:14	GC Column ID: DB-5
Extract Volume (µL): 100	Sample Datafile: DX5C_174 S:10
Injection Volume (µL): 1.0	Blank Data Filename: DX52_127 S:5
Dilution Factor: 5	Cal. Ver. Data Filename: DX5C_174 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 66.7

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.695	0.0563	0.68	1.001
1,2,3,7,8-PeCDD ³	JD	3.10	0.0818	0.58	1.000
1,2,3,4,7,8-HxCDD	JD	5.72	0.590	1.11	1.000
1,2,3,6,7,8-HxCDD	JD	18.0	0.590	1.29	1.000
1,2,3,7,8,9-HxCDD	JD	12.6	0.590	1.39	1.010
1,2,3,4,6,7,8-HpCDD	BD	379	1.42	1.02	1.000
OCDD	BD	3030	15.5	0.87	1.000
2,3,7,8-TCDF	JD	2.83	0.317	0.71	1.001
1,2,3,7,8-PeCDF	JD	1.64	0.210	1.53	1.000
2,3,4,7,8-PeCDF	JD	1.71	0.210	1.72	1.001
1,2,3,4,7,8-HxCDF	JD	4.09	0.380	1.23	1.000
1,2,3,6,7,8-HxCDF	JD	3.33	0.380	1.19	1.000
1,2,3,7,8,9-HxCDF	UD		0.380		
2,3,4,6,7,8-HxCDF	JD	2.90	0.380	1.16	1.000
1,2,3,4,6,7,8-HpCDF	D	58.7	0.790	1.02	1.000
1,2,3,4,7,8,9-HpCDF	JD	4.44	0.790	1.18	1.000
OCDF	BD	132	0.642	0.86	1.002
Total Tetra-Dioxins	D	7.18	0.0563		
Total Penta-Dioxins	D	20.8	0.0818		
Total Hexa-Dioxins	D	115	0.590		
Total Hepta-Dioxins	BD	755	1.42		
Total Tetra-Furans	D	29.2	0.317		
Total Penta-Furans	D	57.3	0.210		
Total Hexa-Furans	D	124	0.380		
Total Hepta-Furans	D	182	0.790		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
SB-SS6-010

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 09-Feb-2005
Extraction Date: 21-Feb-2005
Analysis Date: 29-Mar-2005
Extract Volume (µL): 60
Injection Volume (µL): 1.0
Dilution Factor: 3
Concentration Units: ng/kg (dry weight basis)

Time: 17:13:46

Sample Collection: 31-Jan-2005 14:15
Project No.: 04-08-06-24
Lab Sample ID: L7611-6 W (A)
Sample Size: 10.3 g (dry)
Initial Calibration Date: 20-Feb-2005
Instrument ID: HR GC/MS
GC Column ID: DB-5
Sample Datafile: DX52_148 S:11
Blank Data Filename: DX52_127 S:5
Cal. Ver. Data Filename: DX52_148 S:1
% Moisture: 32.3

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	0.116	0.0541	0.66	1.001
1,2,3,7,8-PeCDD ³	JD	0.474	0.0490	0.69	1.001
1,2,3,4,7,8-HxCDD	JD	0.795	0.120	1.22	1.000
1,2,3,6,7,8-HxCDD	JD	2.55	0.120	1.29	1.000
1,2,3,7,8,9-HxCDD	JD	2.11	0.120	1.38	1.010
1,2,3,4,6,7,8-HpCDD	BD	54.5	0.115	1.03	1.000
OCDD	BD	379	0.274	0.90	1.000
2,3,7,8-TCDF	JD	0.598	0.111	0.78	1.001
1,2,3,7,8-PeCDF	JD	0.258	0.0500	1.46	1.001
2,3,4,7,8-PeCDF	JD	0.379	0.0500	1.72	1.000
1,2,3,4,7,8-HxCDF	JD	0.881	0.0490	1.20	1.000
1,2,3,6,7,8-HxCDF	JD	0.659	0.0490	1.38	1.000
1,2,3,7,8,9-HxCDF	KJD	0.063	0.0490	0.76	1.000
2,3,4,6,7,8-HxCDF	JD	0.520	0.0490	1.40	1.000
1,2,3,4,6,7,8-HpCDF	JD	9.01	0.160	0.99	1.000
1,2,3,4,7,8,9-HpCDF	JD	0.648	0.160	1.09	1.000
OCDF	JBD	21.4	0.0490	0.86	1.002
Total Tetra-Dioxins	D	1.09	0.0541		
Total Penta-Dioxins	D	3.37	0.0490		
Total Hexa-Dioxins	D	17.9	0.120		
Total Hepta-Dioxins	BD	100	0.115		
Total Tetra-Furans	D	5.63	0.111		
Total Penta-Furans	D	8.18	0.0500		
Total Hexa-Furans	D	16.8	0.0490		
Total Hepta-Furans	D	26.4	0.160		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

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QA/QC Chemist

11-04-2006
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Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
SB-SS6-010
(DUPLICATE)

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 31-Jan-2005 14:15
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: WG15060-104 W (DUP L7611-6)
Sample Receipt Date: 09-Feb-2005	Sample Size: 10.4 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date: 20-Feb-2005
Analysis Date: 29-Mar-2005	Instrument ID: HR GC/MS
Time: 18:08:22	GC Column ID: DB-5
Extract Volume (µL): 60	Sample Datafile: DX52_148 S:12
Injection Volume (µL): 1.0	Blank Data Filename: DX52_127 S:5
Dilution Factor: 3	Cal. Ver. Data Filename: DX52_148 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 31.4

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	KJD	0.134	0.0480	0.56	1.001
1,2,3,7,8-PeCDD ³	JD	0.487	0.0480	0.56	1.001
1,2,3,4,7,8-HxCDD	JD	0.741	0.100	1.06	1.000
1,2,3,6,7,8-HxCDD	JD	2.52	0.100	1.14	1.000
1,2,3,7,8,9-HxCDD	JD	1.94	0.100	1.20	1.010
1,2,3,4,6,7,8-HpCDD	BD	50.3	0.235	1.04	1.000
OCDD	BD	347	0.177	0.89	1.000
2,3,7,8-TCDF	JD	0.602	0.0968	0.84	1.002
1,2,3,7,8-PeCDF	JD	0.271	0.0580	1.33	1.001
2,3,4,7,8-PeCDF	JD	0.340	0.0580	1.45	1.000
1,2,3,4,7,8-HxCDF	JD	0.846	0.0820	1.32	1.000
1,2,3,6,7,8-HxCDF	JD	0.594	0.0820	1.34	1.000
1,2,3,7,8,9-HxCDF	UD		0.0820		
2,3,4,6,7,8-HxCDF	JD	0.521	0.0820	1.34	1.000
1,2,3,4,6,7,8-HpCDF	JD	8.70	0.150	1.03	1.000
1,2,3,4,7,8,9-HpCDF	JD	0.602	0.150	1.15	1.000
OCDF	JBD	19.5	0.0480	0.88	1.002
Total Tetra-Dioxins	D	1.00	0.0480		
Total Penta-Dioxins	D	3.14	0.0480		
Total Hexa-Dioxins	D	16.6	0.100		
Total Hepta-Dioxins	BD	91.3	0.235		
Total Tetra-Furans	D	5.82	0.0968		
Total Penta-Furans	D	8.45	0.0580		
Total Hexa-Furans	D	15.5	0.0820		
Total Hepta-Furans	D	24.9	0.150		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15060DD2_1.xls, S7

Approved by: _____



QA/QC Chemist

11-04-2005
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

SC-SS1a-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	01-Feb-2005 15:42
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7611-1 LW
Sample Receipt Date: 09-Feb-2005	Sample Size:	10.4 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date:	03-Apr-2005
Analysis Date: 05-Apr-2005 Time: 1:36:53	Instrument ID:	HR GC/MS
Extract Volume (µL): 100	GC Column ID:	DB-5
Injection Volume (µL): 1.0	Sample Datafile:	DX5C_175 S:8
Dilution Factor: 5	Blank Data Filename:	DX52_127 S:5
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename:	DX5C_175 S:1
	% Moisture:	50.6

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	1.26	0.149	0.88	1.000
1,2,3,7,8-PeCDD ³	JD	6.64	0.0516	0.55	1.001
1,2,3,4,7,8-HxCDD	D	35.5	0.560	1.26	1.000
1,2,3,6,7,8-HxCDD	D	86.7	0.560	1.23	1.000
1,2,3,7,8,9-HxCDD	D	88.4	0.560	1.25	1.010
1,2,3,4,6,7,8-HpCDD	BD	8740	4.87	1.03	1.000
OCDD	E				
2,3,7,8-TCDF	D	14.3	2.99	0.77	1.001
1,2,3,7,8-PeCDF	JD	3.97	1.40	1.46	1.000
2,3,4,7,8-PeCDF	JD	6.21	1.40	1.50	1.000
1,2,3,4,7,8-HxCDF	JD	18.0	0.560	1.17	1.000
1,2,3,6,7,8-HxCDF	JD	9.66	0.560	1.23	1.000
1,2,3,7,8,9-HxCDF	UD		0.560		
2,3,4,6,7,8-HxCDF	JD	7.42	0.560	1.17	1.000
1,2,3,4,6,7,8-HpCDF	D	162	0.660	1.00	1.000
1,2,3,4,7,8,9-HpCDF	JD	15.5	0.660	1.01	1.000
OCDF	X				
Total Tetra-Dioxins	D	33.2	0.149		
Total Penta-Dioxins	D	59.7	0.0516		
Total Hexa-Dioxins	D	777	0.560		
Total Hepta-Dioxins	BD	18600	4.87		
Total Tetra-Furans	D	282	2.99		
Total Penta-Furans	D	350	1.40		
Total Hexa-Furans	D	321	0.560		
Total Hepta-Furans	D	531	0.660		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native P5CDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.



Form 1A
 PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
 SC-SS1a-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	01-Feb-2005 15:42
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7811-1 LNK
Sample Receipt Date: 09-Feb-2005	Sample Size:	10.4 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date:	09-Apr-2005
Analysis Date: 11-Apr-2005	Instrument ID:	HR GC/MS
Time: 15:19:39	GC Column ID:	DB-5
Extract Volume (µL): 2500	Sample Datafile:	DX5B_125 S:9
Injection Volume (µL): 1.0	Blank Data Filename:	DX52_127 S:5
Dilution Factor: 125	Cal. Ver. Data Filename:	DX5B_125 S:1
Concentration Units: ng/kg (dry weight basis)		

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD					
1,2,3,7,8-PeCDD ³					
1,2,3,4,7,8-HxCDD					
1,2,3,6,7,8-HxCDD					
1,2,3,7,8,9-HxCDD					
1,2,3,4,6,7,8-HpCDD					
OCDD	BD	208000	2.78	0.89	1.000
2,3,7,8-TCDF					
1,2,3,7,8-PeCDF					
2,3,4,7,8-PeCDF					
1,2,3,4,7,8-HxCDF					
1,2,3,6,7,8-HxCDF					
1,2,3,7,8,9-HxCDF					
2,3,4,6,7,8-HxCDF					
1,2,3,4,6,7,8-HpCDF					
1,2,3,4,7,8,9-HpCDF					
OCDF	JBD	714	2.23	0.84	1.002
Total Tetra-Dioxins					
Total Penta-Dioxins					
Total Hexa-Dioxins					
Total Hepta-Dioxins					
Total Tetra-Furans					
Total Penta-Furans					
Total Hexa-Furans					
Total Hepta-Furans					

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

1506DD5_1.xls, S2

Approved by:  QA/QC Chemist

12-04-2005
 dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:
SC-SS1b-010

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	10-Feb-2005 14:49
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7630-4 LW
Sample Receipt Date: 15-Feb-2005	Sample Size:	10.4 g (dry)
Extraction Date: 21-Feb-2005	Initial Calibration Date:	03-Apr-2005
Analysis Date: 05-Apr-2005	Instrument ID:	HR GC/MS
Time: 0:42:14	GC Column ID:	DB-5
Extract Volume (µL): 100	Sample Datafile:	DX5C_175 S:7
Injection Volume (µL): 1.0	Blank Data Filename:	DX52_127 S:5
Dilution Factor: 5	Cal. Ver. Data Filename:	DX5C_175 S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture:	68.7

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	2.05	0.149	0.75	1.001
1,2,3,7,8-PeCDD ³	JD	9.60	0.0480	0.58	1.001
1,2,3,4,7,8-HxCDD	JD	18.4	0.770	1.16	1.000
1,2,3,6,7,8-HxCDD	D	63.0	0.770	1.18	1.000
1,2,3,7,8,9-HxCDD	D	52.2	0.770	1.23	1.010
1,2,3,4,6,7,8-HpCDD	BD	1990	2.24	1.03	1.000
OCDD	BD	20000	1.14	0.89	1.000
2,3,7,8-TCDF	D	22.9	2.02	0.76	1.001
1,2,3,7,8-PeCDF	JD	6.88	0.660	1.72	1.000
2,3,4,7,8-PeCDF	JD	10.1	0.660	1.65	1.000
1,2,3,4,7,8-HxCDF	JD	17.0	0.420	1.19	1.000
1,2,3,6,7,8-HxCDF	JD	16.3	0.420	1.22	1.000
1,2,3,7,8,9-HxCDF	JD	0.711	0.420	1.33	1.000
2,3,4,6,7,8-HxCDF	JD	13.5	0.420	1.29	1.000
1,2,3,4,6,7,8-HpCDF	D	259	1.00	1.05	1.000
1,2,3,4,7,8,9-HpCDF	JD	13.6	1.00	0.92	1.000
OCDF	BD	692	0.836	0.89	1.002
Total Tetra-Dioxins	D	55.6	0.149		
Total Penta-Dioxins	D	81.8	0.0480		
Total Hexa-Dioxins	D	469	0.770		
Total Hepta-Dioxins	BD	3800	2.24		
Total Tetra-Furans	D	363	2.02		
Total Penta-Furans	D	510	0.660		
Total Hexa-Furans	D	440	0.420		
Total Hepta-Furans	D	737	1.00		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately
 (2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.
 (3) Alternate ions used for native PCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15060DD4_1.xls, S3

Approved by:  QA/QC Chemist

19-04-2006
dd-mm-yyyy

Form 1A
PCDD/PCDF ANALYSIS REPORT

CLIENT ID:

UB-S58-010

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 09-Feb-2005

Extraction Date: 21-Feb-2005

Analysis Date: 04-Apr-2005

Extract Volume (µL): 100

Injection Volume (µL): 1.0

Dilution Factor: 5

Concentration Units: ng/kg (dry weight basis)

Time: 23:47:35

Sample Collection: 02-Feb-2005 13:08

Project No.: 04-08-06-24

Lab Sample ID: L7611-8 LW

Sample Size: 11.4 g (dry)

Initial Calibration Date: 03-Apr-2005

Instrument ID: HR GC/MS

GC Column ID: DB-5

Sample Datafile: DX5C_175 S:6

Blank Data Filename: DX52_127 S:5

Cal. Ver. Data Filename: DX5C_175 S:1

% Moisture: 87.3

COMPOUND	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO ²	RRT ²
2,3,7,8-TCDD	JD	3.01	0.127	0.80	1.001
1,2,3,7,8-PeCDD ³	JD	11.8	0.0440	0.62	1.001
1,2,3,4,7,8-HxCDD	JD	21.2	0.400	1.27	1.000
1,2,3,6,7,8-HxCDD	D	62.6	0.400	1.22	1.000
1,2,3,7,8,9-HxCDD	D	51.0	0.400	1.23	1.010
1,2,3,4,6,7,8-HpCDD	BD	1320	1.01	1.02	1.000
OCDD	BD	8280	0.640	0.88	1.000
2,3,7,8-TCDF	D	10.3	1.67	0.78	1.001
1,2,3,7,8-PeCDF	JD	4.69	0.760	1.58	1.000
2,3,4,7,8-PeCDF	JD	6.76	0.760	1.68	1.000
1,2,3,4,7,8-HxCDF	JD	15.0	0.450	1.23	1.000
1,2,3,6,7,8-HxCDF	JD	14.4	0.450	1.22	1.000
1,2,3,7,8,9-HxCDF	JD	0.858	0.450	1.10	1.000
2,3,4,6,7,8-HxCDF	JD	10.8	0.450	1.21	1.000
1,2,3,4,6,7,8-HpCDF	D	222	0.650	1.06	1.000
1,2,3,4,7,8,9-HpCDF	JD	12.8	0.650	1.08	1.000
OCDF	BD	517	0.213	0.89	1.002
Total Tetra-Dioxins	D	30.5	0.127		
Total Penta-Dioxins	D	81.4	0.0440		
Total Hexa-Dioxins	D	424	0.400		
Total Hepta-Dioxins	BD	2250	1.01		
Total Tetra-Furans	D	158	1.67		
Total Penta-Furans	D	287	0.760		
Total Hexa-Furans	D	380	0.450		
Total Hepta-Furans	D	623	0.650		

(1) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

(2) Contract-required limits for RRTs and ion abundance ratios are specified in Tables 2 and 9, respectively, Method 1613.

(3) Alternate ions used for native PSCDD for confirmation and quantitation.

These pages are part of a larger report that may contain information necessary for full data evaluation.

15060DD4_1.xls, S2

Approved by:



QA/QC Chemist

11-04-2005
dd-mm-yyyy

PCB Congeners

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 10-Mar-2005 12:58

Contract No.: 4033

Project Number: 04-00-00-24

Matrix: SOLID

Lab Sample ID: L7787-4R

Sample Receipt Date: 29-Apr-2005

Sample Size: 5.27 g (dry)

Extraction Date: 23-Jun-2005

Initial Calibration Date: 16-Jun-2005

Analysis Date: 29-Jun-2005

Time: 1:03:31

Instrument ID: HR GC/MS

Extract Volume (µL): 2000

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5C_328B S:4

Dilution Factor: 100

Blank Data Filename: PB5C_343A S:6

Concentration Units: ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5C_328A S:1

% Moisture: 34.5

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	87300	188	0.77	0.885
3,3',4,4' - TeCB	77		D B	7630	232	0.77	1.000
3,4,4',5 - TeCB	81		D	450	228	0.84	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	136000	35.9	1.59	1.237
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	55800	88.7	1.55	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	142000	30.6	1.59	1.316
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D	3650	77.9	1.55	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	118000	73.5	1.56	1.000
2',3,4,4',5 - PeCB	123		D	2250	82.8	1.36	1.000
3,3',4,4',5 - PeCB	126		D	169	93.8	1.55	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	120000	79.0	1.27	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	87600	70.5	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	16400	93.1	1.27	1.000
2,3,3',4,4',5' - HxCB	157	150 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D	4400	64.6	1.30	1.001
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		91.3		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	38300	1.17	1.05	0.911
2,3,3',4,4',5,5' - HpCB	189		D	840	18.1	1.03	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 17-Jan-2005 12:04
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-5
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.8 g (dry)
Extraction Date: 15-May-2005	Initial Calibration Date: 25-May-2005
Analysis Date: 26-May-2005	Instrument ID: HR GC/MS
Time: 1:53:51	GC Column ID: SPB-OCTYL
Extract Volume (µL): 20	Sample Data Filename: PB5B_190A S:5
Injection Volume (µL): 1.0	Blank Data Filename: PB5B_190A S:4
Dilution Factor: N/A	Cal. Ver. Data Filename: PB5B_190 S:1
Concentration Units : ng/kg (dry weight basis)	% Moisture: 20.2

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		B	1670	1.24	0.72	0.884
3,3',4,4' - TeCB	77		B	197	1.25	0.76	1.000
3,4,4',5 - TeCB	81			11.8	1.26	0.81	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C B	1350	0.257	1.54	1.238
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	620	2.52	1.55	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C B	1750	0.211	1.54	1.317
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	37.0	2.40	1.58	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		B	1140	2.41	1.55	1.001
2',3,4,4',5 - PeCB	123			29.1	2.64	1.54	1.001
3,3',4,4',5 - PeCB	126		B	9.19	2.78	1.54	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C B	1090	1.82	1.26	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C B	769	1.61	1.26	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	123	1.81	1.28	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	43.0	1.47	1.26	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		U		1.60		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C B	481	0.0064	1.04	0.910
2,3,3',4,4',5,5' - HpCB	189		B	8.13	0.192	1.00	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 17-Jan-2005 14:16
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-6
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.8 g (dry)
Extraction Date: 15-May-2005	Initial Calibration Date: 25-May-2005
Analysis Date: 26-May-2005	Instrument ID: HR GC/MS
Time: 2:58:14	GC Column ID: SPB-OCTYL
Extract Volume (µL): 50	Sample Data Filename: PB5B_190A S:6
Injection Volume (µL): 1.0	Blank Data Filename: PB5B_190A S:4
Dilution Factor: 2.5	Cal. Ver. Data Filename: PB5B_190 S:1
Concentration Units : ng/kg (dry weight basis)	% Moisture: 42.2

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	86		E				
3,3',4,4' - TeCB	77		DB	906	5.18	0.72	1.000
3,4,4',5 - TeCB	81		KD	78.2	5.13	0.73	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		DB	6510	28.5	1.54	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		DB	353	27.2	1.48	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123		D	366	28.3	1.48	1.000
3,3',4,4',5 - PeCB	126		DB	81.5	31.7	1.55	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C E				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C E				
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	2420	24.1	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		DB	832	20.2	1.28	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		33.8		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D B	12300	0.552	1.04	0.910
2,3,3',4,4',5,5' - HpCB	189		DB	192	2.47	0.97	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD1_1.xls, S4

Approved by: *K. K. K.* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 17-Jan-2005 14:16
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-6 WI
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.8 g (dry)
Extraction Date: 15-May-2005	Initial Calibration Date: 01-Jun-2005
Analysis Date: 02-Jun-2005	Instrument ID: HR GC/MS
Time: 11:23:36	GC Column ID: SPB-OCTYL
Extract Volume (µL): 250	Sample Data Filename: PB5B_201 S:4
Injection Volume (µL): 1.0	Blank Data Filename: PB5B_190A S:4
Dilution Factor: 12.5	Cal. Ver. Data Filename: PB5B_201 S:1
Concentration Units: ng/kg (dry weight basis)	

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	11200	6.91	0.78	0.884
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	19600	2.88	1.55	1.239
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	21000	2.47	1.55	1.318
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	16600	25.7	1.55	1.000
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	24800	19.8	1.25	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	21200	17.5	1.26	0.898
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD4_1.xls, S3

Approved by: *M. Hawthorne* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 08-Mar-2005 10:01
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-7
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.4 g (dry)
Extraction Date: 15-May-2005	Initial Calibration Date: 25-May-2005
Analysis Date: 26-May-2005 Time: 4:02:38	Instrument ID: HR GC/MS
Extract Volume (µL): 50	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5B_190A S:7
Dilution Factor: 2.5	Blank Data Filename: PB5B_190A S:4
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5B_190 S:1
	% Moisture: 46.6

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	4860	2.61	0.72	0.884
3,3',4,4' - TeCB	77		D B	466	2.72	0.70	1.000
3,4,4',5 - TeCB	81		KD	38.2	2.64	0.78	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	12800	1.55	1.54	1.238
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	4210	14.7	1.55	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	14000	1.28	1.54	1.317
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	223	13.7	1.57	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	10300	13.7	1.55	1.000
2',3,4,4',5 - PeCB	123		D	226	15.4	1.52	1.001
3,3',4,4',5 - PeCB	126		KD B	46.8	16.3	1.66	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	16200	17.0	1.26	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	13700	15.0	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	1840	16.3	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	630	14.0	1.27	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		20.9		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D B	9760	0.483	1.04	0.910
2,3,3',4,4',5,5' - HpCB	188		D B	152	2.45	0.99	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD1_1.xls, S5

Approved by: Mawsthorpe QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 14-Mar-2005 14:35
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-B
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.2 g (dry)
Extraction Date: 15-May-2005	Initial Calibration Date: 25-May-2005
Analysis Date: 26-May-2005 Time: 5:07:01	Instrument ID: HR GC/MS
Extract Volume (µL): 50	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5B_190A S:8
Dilution Factor: 2.5	Blank Data Filename: PB5B_190A S:4
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5B_190 S:1
	% Moisture: 50.5

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		DB	6030	2.48	0.75	0.884
3,3',4,4' - TeCB	77		DB	633	2.52	0.76	1.000
3,4,4',5 - TeCB	81		KD	43.3	2.54	0.76	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C DB	18700	2.70	1.54	1.239
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		DB	5760	20.9	1.54	1.000
2,3,3',4',6 - PeCB	110	110 + 115	CE				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		DB	239	19.6	1.54	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		DB	15300	20.2	1.55	1.000
2',3,4,4',5 - PeCB	123		D	341	20.9	1.61	1.000
3,3',4,4',5 - PeCB	126		DB	56.4	22.6	1.64	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C DB	18700	12.5	1.26	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C DB	15300	11.0	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C DB	1950	11.9	1.25	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		DB	681	10.5	1.26	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		16.2		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C DB	9550	0.421	1.04	0.910
2,3,3',4,4',5,5' - HpCB	189		DB	136	2.01	0.98	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD1_1.xls, S6

Approved by: *[Signature]* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 29-Apr-2005

Extraction Date: 15-May-2005

Analysis Date: 02-Jun-2005 Time: 10:19:06

Extract Volume (µL): 250

Injection Volume (µL): 1.0

Dilution Factor: 12.5

Concentration Units : ng/kg (dry weight basis)

Sample Collection: 14-Mar-2005 14:35

Project No.: 04-08-06-24

Lab Sample ID: L7787-8 WI

Sample Size: 10.2 g (dry)

Initial Calibration Date: 01-Jun-2005

Instrument ID: HR GC/MS

GC Column ID: SPB-OCTYL

Sample Data Filename: PB5B_201 S:3

Blank Data Filename: PB5B_190A S:4

Cal. Ver. Data Filename: PB5B_201 S:1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	21900	1.56	1.55	0.925
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	116						
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C				
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD4_1.xls, S2

Approved by:  QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 29-Apr-2005

Extraction Date: 15-May-2005

Analysis Date: 26-May-2005

Extract Volume (µL): 50

Injection Volume (µL): 1.0

Dilution Factor: 2.5

Concentration Units : ng/kg (dry weight basis)

Sample Collection: 11-Mar-2005 17:38

Project No.: 04-08-06-24

Lab Sample ID: L7787-9

Sample Size: 10.5 g (dry)

Initial Calibration Date: 25-May-2005

Instrument ID: HR GC/MS

GC Column ID: SPB-OCTYL

Sample Data Filename: PB5B_190A S:9

Blank Data Filename: PB5B_190A S:4

Cal. Ver. Data Filename: PB5B_190 S:1

% Moisture: 18.4

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	389	0.595	0.74	0.884
3,3',4,4' - TeCB	77		D B	40.9	0.603	0.74	1.000
3,4,4',5 - TeCB	81		KD J	2.56	0.594	0.74	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	575	0.536	1.54	1.239
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	164	2.00	1.54	1.001
2,3,3',4',6 - PeCB	110	110 + 115	C D B	691	0.440	1.53	1.317
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	7.83	2.00	1.73	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	428	2.00	1.57	1.000
2',3,4,4',5 - PeCB	123		D	9.39	2.00	1.58	1.001
3,3',4,4',5 - PeCB	126		KD JB	2.24	2.00	1.74	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	728	0.652	1.28	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	555	0.575	1.25	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	64.2	0.632	1.28	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	23.9	0.524	1.25	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		0.993		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D B	407	0.116	1.04	0.810
2,3,3',4,4',5,5' - HpCB	189		D B	7.08	0.280	1.11	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD1_1.xls, S7

Approved by: *[Signature]* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 29-Apr-2005

Extraction Date: 15-May-2005

Analysis Date: 26-May-2005 Time: 23:04:34

Extract Volume (µL): 50

Injection Volume (µL): 1.0

Dilution Factor: 2.5

Concentration Units : ng/kg (dry weight basis)

Sample Collection: 24-Jan-2005 13:45

Project No.: 04-08-06-24

Lab Sample ID: L7787-10 I

Sample Size: 10.0 g (dry)

Initial Calibration Date: 25-May-2005

Instrument ID: HR GC/MS

GC Column ID: SPB-OCTYL

Sample Data Filename: PB5B_191B S:3

Blank Data Filename: PB5B_190A S:4

Cal. Ver. Data Filename: PB5B_191A S:1

% Moisture: 42.1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	6070	2.99	0.74	0.884
3,3',4,4' - TeCB	77		D B	669	3.21	0.79	1.000
3,4,4',5 - TeCB	81		KD	41.8	3.21	0.72	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	11300	2.35	1.53	0.869
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	106		D B	4200	22.2	1.57	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	12400	1.95	1.53	0.925
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	208	21.5	1.59	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	10200	20.8	1.57	1.001
2',3,4,4',5 - PeCB	123		D	238	22.9	1.56	1.000
3,3',4,4',5 - PeCB	126		D B	41.0	24.4	1.59	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	13300	19.7	1.26	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	11000	17.8	1.27	0.898
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	1310	18.9	1.25	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	448	15.0	1.25	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C163				
3,3',4,4',5,5' - HxCB	169		UD		16.8		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D B	6250	0.428	1.02	0.910
2,3,3',4,4',5,5' - HpCB	189		D B	111	1.24	0.98	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD3_1.xls, S2

Approved by: *Krawthorne* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 18-Jan-2005 10:42

Contract No.: 4033

Project Number: 04-00-00-24

Matrix: SOLID

Lab Sample ID: L7767-3R

Sample Receipt Date: 29-Apr-2005

Sample Size: 4.80 g (dry)

Extraction Date: 23-Jun-2005

Initial Calibration Date: 16-Jun-2005

Analysis Date: 28-Jun-2005

Time: 23:59:13

Instrument ID: HR GC/MS

Extract Volume (µL): 2000

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5C_328B S:3

Dilution Factor: 100

Blank Data Filename: PB5C_343A S:6

Concentration Units : ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5C_328A S:1

% Moisture: 43.4

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	221000	114	0.77	0.884
3,3',4,4' - TeCB	77		D B	195000	138	0.77	1.000
3,4,4',5 - TeCB	81		D	976	137	0.74	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	294000	39.0	1.59	1.237
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	107000	78.3	1.56	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	293000	33.3	1.59	1.316
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D	6140	72.9	1.57	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	261000	73.0	1.55	1.000
2',3,4,4',5 - PeCB	123		D	4290	79.9	1.53	1.001
3,3',4,4',5 - PeCB	126		D	405	93.7	1.52	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	290000	46.5	1.27	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	220000	41.5	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	37500	55.8	1.27	1.000
2,3,3',4,4',5' - HxCB	157	156 + 167	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D	10500	39.5	1.28	1.001
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		148		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	112000	3.14	1.06	0.911
2,3,3',4,4',5,5' - HpCB	189		D	2060	40.9	1.04	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	10-Mar-2005 11:30
Contract No.: 4033	Project No.:	04-08-06-24
Matrix: SOLID	Lab Sample ID:	L7787-11 i
Sample Receipt Date: 29-Apr-2005	Sample Size:	10.6 g (dry)
Extraction Date: 15-May-2005	Initial Calibration Date:	25-May-2005
Analysis Date: 27-May-2005	Instrument ID:	HR GC/MS
Time: 0:08:59	GC Column ID:	SPB-OCTYL
Extract Volume (µL): 50	Sample Data Filename:	PB5B_191B S:4
Injection Volume (µL): 1.0	Blank Data Filename:	PB5B_190A S:4
Dilution Factor: 2.5	Cal. Ver. Data Filename:	PB5B_191A S:1
Concentration Units : ng/kg (dry weight basis)	% Moisture:	34.4

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	8700	4.92	0.81	0.885
3,3',4,4' - TeCB	77		D B	573	5.17	0.80	1.001
3,4,4',5 - TeCB	81		KD	72.3	5.04	0.80	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		E				
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	823	9.61	1.60	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123		D	860	10.1	1.58	1.000
3,3',4,4',5 - PeCB	126		KD B	68.1	11.7	1.64	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C E				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C E				
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	5350	14.0	1.28	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	1620	15.7	1.29	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		17.5		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C X				
2,3,3',4,4',5,5' - HpCB	189		D B	248	1.77	1.00	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD3_1.xls, S3

Approved by: *J. Rawsthorne* QA/QC Chemist

18-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 29-Apr-2005

Extraction Date: 15-May-2005

Analysis Date: 02-Jun-2005

Time: 13:32:33

Extract Volume (µL): 500

Injection Volume (µL): 1.0

Dilution Factor: 25

Concentration Units : ng/kg (dry weight basis)

Sample Collection: 10-Mar-2005 11:30

Project No.: 04-08-06-24

Lab Sample ID: L7787-11 W

Sample Size: 10.6 g (dry)

Initial Calibration Date: 01-Jun-2005

Instrument ID: HR GC/MS

GC Column ID: SPB-OCTYL

Sample Data Filename: PB5B_201 S:6

Blank Data Filename: PB5B_190A S:4

Cal. Ver. Data Filename: PB5B_201 S:1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	44000	7.97	1.55	1.239
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	13200	41.1	1.54	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	46700	6.83	1.55	1.318
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	34500	42.9	1.52	1.000
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	43400	23.7	1.24	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	29500	20.9	1.23	0.898
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D B	12000	0.452	1.02	0.911
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD4_1.xls, SS

Approved by: *Mauwshore* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 13:00
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-121
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.6 g (dry)
Extraction Date: 15-May-2005	Initial Calibration Date: 25-May-2005
Analysis Date: 27-May-2005	Instrument ID: HR GC/MS
Time: 1:13:24	GC Column ID: SPB-OCTYL
Extract Volume (µL): 100	Sample Data Filename: PB5B_191B S:5
Injection Volume (µL): 1.0	Blank Data Filename: PB5B_190A S:4
Dilution Factor: 5	Cal. Ver. Data Filename: PB5B_191A S:1
Concentration Units : ng/kg (dry weight basis)	% Moisture: 37.2

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	10000	8.74	0.80	0.884
3,3',4,4' - TeCB	77		D B	716	7.06	0.79	1.000
3,4,4',5 - TeCB	81		KD	80.9	7.21	0.77	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	17600	14.4	1.58	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	971	15.0	1.58	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123		D	938	15.0	1.59	1.000
3,3',4,4',5 - PeCB	126		KD B	91.7	15.6	1.66	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	54500	29.8	1.29	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	37900	27.0	1.28	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	7290	27.8	1.28	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	2180	23.4	1.28	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		28.5		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D B	16900	0.848	1.03	0.911
2,3,3',4,4',5,5' - HpCB	189		D B	338	3.05	0.97	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD3_1.xls, S4

Approved by: *Krawsthorpe* QA/QC Chemist

18-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 29-Apr-2005

Extraction Date: 15-May-2005

Analysis Date: 02-Jun-2005

Extract Volume (µL): 500

Injection Volume (µL): 1.0

Dilution Factor: 25

Concentration Units : ng/kg (dry weight basis)

Time: 14:37:03

Sample Collection: 24-Jan-2005 13:00

Project No.: 04-08-06-24

Lab Sample ID: L7787-12 W

Sample Size: 10.6 g (dry)

Initial Calibration Date: 01-Jun-2005

Instrument ID: HR GC/MS

GC Column ID: SPB-OCTYL

Sample Data Filename: PB5B_201 S:7

Blank Data Filename: PB5B_190A S:4

Cal. Ver. Data Filename: PB5B_201 S:1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	56800	7.03	1.56	1.238
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	60300	6.02	1.55	1.317
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	41800	52.7	1.53	1.001
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C				
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD4_1.xls, S6

Approved by:  QA/QC Chemist

17-08-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 08:55
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-13
Sample Receipt Date: 29-Apr-2005	Sample Size: 11.6 g (dry)
Extraction Date: 15-May-2005	Initial Calibration Date: 25-May-2005
Analysis Date: 27-May-2005	Instrument ID: HR GC/MS
Time: 2:17:48	GC Column ID: SPB-OCTYL
Extract Volume (µL): 50	Sample Data Filename: PB5B_191B S:6
Injection Volume (µL): 1.0	Blank Data Filename: PB5B_190A S:4
Dilution Factor: 2.5	Cal. Ver. Data Filename: PB5B_191A S:1
Concentration Units : ng/kg (dry weight basis)	% Moisture: 39.9

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	4090	2.04	0.77	0.884
3,3',4,4' - TeCB	77		D B	406	2.17	0.78	1.000
3,4,4',5 - TeCB	81		KD	27.6	2.28	0.78	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	8780	1.49	1.53	1.239
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	3070	14.0	1.57	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	10300	1.24	1.53	1.318
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	156	13.9	1.57	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	7490	13.3	1.56	1.000
2',3,4,4',5 - PeCB	123		D	195	14.3	1.60	1.000
3,3',4,4',5 - PeCB	126		KD B	26.7	15.1	1.75	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	10600	12.7	1.27	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	8430	11.5	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	1100	11.7	1.27	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	398	10.2	1.29	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		12.8		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D B	5020	0.661	1.04	0.911
2,3,3',4,4',5,5' - HpCB	189		D B	84.0	1.46	0.98	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

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Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 29-Apr-2005

Extraction Date: 15-May-2005

Analysis Date: 27-May-2005

Extract Volume (µL): 20

Injection Volume (µL): 1.0

Dilution Factor: N/A

Concentration Units : ng/kg (dry weight basis)

Sample Collection: 21-Jan-2005 14:14

Project No.: 04-08-06-24

Lab Sample ID: L7787-14 (A)

Sample Size: 10.6 g (dry)

Initial Calibration Date: 25-May-2005

Instrument ID: HR GC/MS

GC Column ID: SPB-OCTYL

Sample Data Filename: PB5B_191B S:7

Blank Data Filename: PB5B_190A S:4

Cal. Ver. Data Filename: PB5B_191A S:1

% Moisture: 18.3

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		B	421	0.456	0.79	0.885
3,3',4,4' - TeCB	77		B	45.7	0.481	0.78	1.000
3,4,4',5 - TeCB	81		K	3.85	0.484	0.84	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C B	883	0.302	1.53	1.239
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	320	1.53	1.58	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C B	1070	0.250	1.53	1.318
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	16.0	1.45	1.54	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		B	800	1.52	1.56	1.000
2',3,4,4',5 - PeCB	123			20.0	1.62	1.55	1.000
3,3',4,4',5 - PeCB	126		B	2.85	1.59	1.51	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C B	1270	1.38	1.26	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C B	1030	1.25	1.26	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	128	1.28	1.27	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	45.8	1.11	1.26	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		U		1.28		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C B	789	0.200	1.02	0.910
2,3,3',4,4',5,5' - HpCB	189		B	13.2	0.334	1.02	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD3_1.xls, S6

Approved by: *[Signature]* QA/QC Chemist

21-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 21-Jan-2005 14:14
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: WG15734-103 (DUP L7787-14)
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.1 g (dry)
Extraction Date: 15-May-2005	Initial Calibration Date: 25-May-2005
Analysis Date: 27-May-2005	Instrument ID: HR GC/MS
Time: 4:26:40	GC Column ID: SPB-OCTYL
Extract Volume (µL): 20	Sample Data Filename: PB5B_191B S:8
Injection Volume (µL): 1.0	Blank Data Filename: PB5B_190A S:4
Dilution Factor: N/A	Cal. Ver. Data Filename: PB5B_191A S:1
Concentration Units: ng/kg (dry weight basis)	% Moisture: 18.8

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		B	693	0.557	0.79	0.884
3,3',4,4' - TeCB	77		B	59.8	0.609	0.77	1.000
3,4,4',5 - TeCB	81		K	3.92	0.578	0.77	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C B	1180	0.398	1.54	1.239
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	401	2.08	1.56	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C B	1400	0.330	1.53	1.318
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	19.8	1.99	1.51	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		B	987	1.98	1.56	1.000
2',3,4,4',5 - PeCB	123			20.4	2.11	1.54	1.000
3,3',4,4',5 - PeCB	128		B	3.86	2.29	1.54	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C B	1480	1.21	1.27	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C B	1130	1.09	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	153	1.16	1.29	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	55.5	0.951	1.28	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		U		1.34		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C B	680	0.180	1.04	0.911
2,3,3',4,4',5,5' - HpCB	189		B	12.2	0.385	0.99	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD3_1.xls, S7

Approved by:  QA/QC Chemist

17-08-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033

Matrix: SOLID

Sample Receipt Date: 29-Apr-2005

Extraction Date: 15-May-2005

Analysis Date: 27-May-2005

Extract Volume (µL): 100

Injection Volume (µL): 1.0

Dilution Factor: 5

Concentration Units : ng/kg (dry weight basis)

Sample Collection: 14-Mar-2005 12:20

Project No.: 04-08-06-24

Lab Sample ID: L7787-15

Sample Size: 10.3 g (dry)

Initial Calibration Date: 25-May-2005

Instrument ID: HR GC/MS

GC Column ID: SPB-OCTYL

Sample Data Filename: PB5B_191B S:9

Blank Data Filename: PB5B_190A S:4

Cal. Ver. Data Filename: PB5B_191A S:1

% Moisture: 31.9

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	23600	10.7	0.79	0.885
3,3',4,4' - TeCB	77		D B	2250	11.4	0.79	1.000
3,4,4',5 - TeCB	81		D	128	11.4	0.78	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	15600	2.83	1.54	1.239
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	5990	5.00	1.57	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	17300	2.35	1.53	1.317
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	375	4.88	1.56	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	13300	4.90	1.57	1.001
2',3,4,4',5 - PeCB	123		D	415	5.27	1.56	1.000
3,3',4,4',5 - PeCB	126		D B	63.8	5.41	1.70	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	18000	30.8	1.29	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	18100	27.9	1.28	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	1620	29.0	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	573	24.5	1.25	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		28.1		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D B	16200	0.598	1.03	0.910
2,3,3',4,4',5,5' - HpCB	189		D B	206	5.85	0.99	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD3_1.xls, S8

Approved by: *Kawthome* QA/QC Chemist

18-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Contract No.: 4033
Matrix: SOLID
Sample Receipt Date: 29-Apr-2005
Extraction Date: 15-May-2005
Analysis Date: 27-May-2005 Time: 8:35:37
Extract Volume (µL): 20
Injection Volume (µL): 1.0
Dilution Factor: N/A
Concentration Units: ng/kg (dry weight basis)

Sample Collection: 24-Jan-2005 10:24
Project No.: 04-08-06-24
Lab Sample ID: L7787-16
Sample Size: 10.6 g (dry)
Initial Calibration Date: 25-May-2005
Instrument ID: HR GC/MS
GC Column ID: SPB-OCTYL
Sample Data Filename: PB5B_191B S:10
Blank Data Filename: PB5B_190A S:4
Cal. Ver. Data Filename: PB5B_191A S:1
% Moisture: 52.9

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		E				
3,3',4,4' - TeCB	77		B	490	1.20	0.80	1.001
3,4,4',5 - TeCB	81		K	30.8	1.23	0.81	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	3730	13.1	1.56	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	196	13.2	1.56	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123			234	13.4	1.55	1.000
3,3',4,4',5 - PeCB	126		B	27.6	14.2	1.61	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C E				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C E				
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	1480	7.11	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	487	6.69	1.26	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		U		15.8		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C E				
2,3,3',4,4',5,5' - HpCB	189		B	142	1.87	0.98	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD3_1.xls, S9

Approved by: Rawthorne QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 10:24
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-16 W
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.6 g (dry)
Extraction Date: 15-May-2005	Initial Calibration Date: 01-Jun-2005
Analysis Date: 02-Jun-2005	Instrument ID: HR GC/MS
Time: 12:28:05	GC Column ID: SPB-OCTYL
Extract Volume (µL): 100	Sample Data Filename: PB5B_201 S:5
Injection Volume (µL): 1.0	Blank Data Filename: PB5B_190A S:4
Dilution Factor: 5	Cal. Ver. Data Filename: PB5B_201 S:1
Concentration Units: ng/kg (dry weight basis)	

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	5160	1.67	0.79	0.885
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	11200	1.64	1.55	1.239
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	12000	1.40	1.56	1.318
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	9360	5.45	1.53	1.000
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	16200	9.20	1.25	0.928
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	13700	8.11	1.25	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D B	8690	0.392	1.01	0.911
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15734AD4_1.xls, S4

Approved by: *[Signature]* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 07-Mar-2005 11:25

Contract No.: 4033

Project No.: 04-08-06-24

Matrix: SOLID

Lab Sample ID: L7787-17

Sample Receipt Date: 29-Apr-2005

Sample Size: 10.5 g (dry)

Extraction Date: 15-May-2005

Initial Calibration Date: 27-May-2005

Analysis Date: 27-May-2005

Time: 16:58:05

Instrument ID: HR GC/MS

Extract Volume (µL): 50

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5B_192C S:6

Dilution Factor: 2.5

Blank Data Filename: PB5B_190A S:4

Concentration Units : ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5B_192A S:1

% Moisture: 30.4

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		DB	3820	3.32	0.82	0.884
3,3',4,4' - TeCB	77		DB	485	3.69	0.82	1.000
3,4,4',5 - TeCB	81		KD	28.4	3.82	0.91	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	6840	1.65	1.53	0.869
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		DB	2410	2.54	1.58	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	8210	1.33	1.53	0.925
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		DB	113	2.09	1.69	1.001
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		DB	5980	2.05	1.57	1.000
2',3,4,4',5 - PeCB	123		D	154	2.20	1.57	1.000
3,3',4,4',5 - PeCB	126		DB	31.4	2.89	1.73	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	10700	10.1	1.30	0.928
2,2',3,3,4,5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	9180	9.04	1.29	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	897	9.88	1.30	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		DB	360	7.95	1.30	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		15.4		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D B	5890	0.252	1.03	0.910
2,3,3',4,4',5,5' - HpCB	189		DB	97.1	1.26	1.00	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 09:45
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-18
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.9 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 14-May-2005 Time: 2:41:21	Instrument ID: HR GC/MS
Extract Volume (µL): 50	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_246 S:8
Dilution Factor: 2.5	Blank Data Filename: PB5C_246 S:5
Concentration Units : ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_246 S:1
	% Moisture: 51.0

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		DB	3850	2.42	0.77	0.885
3,3',4,4' - TeCB	77		DB	436	2.75	0.77	1.000
3,4,4',5 - TeCB	81		D	13.8	2.73	0.82	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	CE				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		DB	4110	9.62	1.52	1.000
2,3,3',4',6 - PeCB	110	110 + 115	CE				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		DB	203	9.58	1.53	1.001
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123		D	186	9.79	1.58	1.000
3,3',4,4',5 - PeCB	126		D	34.4	10.4	1.55	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	CE				
2,2',3,4,4',5 - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	CE				
2,3,3',4,4',5 - HxCB	156	156 + 157	CDB	2080	9.01	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		DB	791	6.66	1.25	1.000
2,3',4,4',6' - HxCB	168	163 + 168	C163				
3,3',4,4',5,5' - HxCB	169		UD		19.6		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	CE				
2,3,3',4,4',5,5' - HpCB	189		D	191	1.78	1.00	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD1_1.xls, S3

Approved by: *[Signature]* QA/QC Chemist

17-06-2005
dd-mm-yyyy

0080

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 09:45
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-18 W
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.9 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 27-May-2005 Time: 20:07:01	Instrument ID: HR GC/MS
Extract Volume (µL): 500	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_269A S:8
Dilution Factor: 25	Blank Data Filename: PB5C_246 S:5
Concentration Units : ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_269A S:1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	12300	21.2	1.54	0.870
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	15500	18.2	1.55	0.926
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	116		D D	10000	10.5	1.50	1.000
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	23600	10.1	1.25	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	18800	9.14	1.26	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	12300	0.502	1.05	0.911
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,3',6 - HpCB	193	100 + 193	C100				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution date; D = dilution date; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 19-Jan-2005 17:20
Contract No.: 4033	Project Number: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7601-14R
Sample Receipt Date: 01-Feb-2005	Sample Size: 5.26 g (dry)
Extraction Date: 23-Jun-2005	Initial Calibration Date: 16-Jun-2005
Analysis Date: 29-Jun-2005 Time: 2:07:50	Instrument ID: HR GC/MS
Extract Volume (µL): 4000	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_328B S:5
Dilution Factor: 200	Blank Data Filename: PB5C_343A S:6
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_328A S:1
	% Moisture: 37.8

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	575000	490	0.77	0.884
3,3',4,4' - TeCB	77		D B	45100	584	0.78	1.000
3,4,4',5 - TeCB	81		D	1930	621	0.67	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	918000	200	1.59	1.237
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	300000	110	1.55	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	913000	171	1.59	1.316
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D	14700	106	1.61	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	747000	93.4	1.50	1.000
2',3,4,4',5 - PeCB	123		D	10800	101	1.48	1.001
3,3',4,4',5 - PeCB	126		D	1440	129	1.60	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	1250000	299	1.26	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	1190000	267	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	113000	345	1.27	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D	39400	251	1.27	1.001
2,3',4,4',5',6 HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		1190		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	1020000	11.3	1.06	0.911
2,3,3',4,4',5,5' - HpCB	189		D	15400	140	1.00	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than L.M.C.L.; B = analytic found in sample and the associated blank; X = results reported separately

16186AD2_1.xls, S5

Approved by: *[Signature]* QA/QC Chemist

09-07-2005
dd-mm-yyyy

0065

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 10-Mar-2005 15:29
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-19
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.4 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 14-May-2005 Time: 10:16:27	Instrument ID: HR GC/MS
Extract Volume (µL): 20	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_247 S:4
Dilution Factor: N/A	Blank Data Filename: PB5C_246 S:5
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_247 S:1
	% Moisture: 18.0

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		B	280	0.335	0.76	0.885
3,3',4,4' - TeCB	77		B	22.0	0.356	0.77	1.000
3,4,4',5 - TeCB	81		K,I	0.869	0.345	0.73	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C B	2070	0.0991	1.58	0.870
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	664	1.80	1.53	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	36.7	1.81	1.57	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123			26.2	1.91	1.58	1.000
3,3',4,4',5 - PeCB	126			2.72	1.90	1.64	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C B	2300	1.25	1.26	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C B	1390	1.12	1.26	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	326	1.35	1.27	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	101	1.06	1.27	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		U		1.03		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C	471	0.0480	1.05	0.911
2,3,3',4,4',5,5' - HpCB	189			12.9	0.105	1.03	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD3_1.xls, S2

Approved by: *Rawls* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 10-Mar-2005 15:29
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-19 W
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.4 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 28-May-2005 Time: 2:40:03	Instrument ID: HR GC/MS
Extract Volume (µL): 100	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_270 S:6
Dilution Factor: 5	Blank Data Filename: PB5C_246 S:5
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_270 S:1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - ToCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C DB	2180	0.326	1.57	1.316
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		DB	1660	2.13	1.51	1.001
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C				
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',6' HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

15674AD6_1.xls, S4

Approved by: *Mawsthorpe*

QA/QC Chemist

17-06-2005
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0091

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 25-Jan-2005 11:51

Contract No.: 4033

Project No.: 04 08 06 24

Matrix: SOLID

Lab Sample ID: L7787-20

Sample Receipt Date: 29-Apr-2005

Sample Size: 10.6 g (dry)

Extraction Date: 09-May-2005

Initial Calibration Date: 20-Apr-2005

Analysis Date: 14-May-2005

Time: 11:20:46

Instrument ID: HR GC/MS

Extract Volume (µL): 100

Sample Data Filename: PB5C_247 S:5

Injection Volume (µL): 1.0

Blank Data Filename: PB5C_246 S:5

Dilution Factor: 5

Cal. Ver. Data Filename: PB5C_247 S:1

Concentration Units : ng/kg (dry weight basis)

% Moisture: 33.3

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	7070	5.00	0.77	0.885
3,3',4,4' - TeCB	77		D B	548	5.71	0.76	1.000
3,4,4',5 - TeCB	81		KD	18.9	5.32	0.72	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	9500	3.90	1.54	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	498	3.94	1.54	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123		D	343	4.26	1.54	1.001
3,3',4,4',5 - PeCB	126		D	38.3	4.38	1.51	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C E				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	24000	1.90	1.26	0.900
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	4010	2.29	1.26	1.000
2,3,3',4,4',6' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	1260	1.79	1.27	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		14.7		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	11600	0.261	1.05	0.911
2,3,3',4,4',5,5' - HpCB	189		D	214	1.43	1.02	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD3_1.xls, S3

Approved by: *[Signature]* QA/QC Chemist

17-06-2005
dd-mm-yyyy

0096

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 25-Jan-2005 11:51

Contract No.: 4033

Project No.: 04-08-06-24

Matrix: SOLID

Lab Sample ID: L7787-20 W

Sample Receipt Date: 29-Apr-2005

Sample Size: 10.6 g (dry)

Extraction Date: 09-May-2005

Initial Calibration Date: 20-Apr-2005

Analysis Date: 28-May-2005 Time: 3:44:22

Instrument ID: HR GC/MS

Extract Volume (µL): 500

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5C_270 S:7

Dilution Factor: .25

Blank Data Filename: PB5C_246 S:5

Concentration Units : ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5C_270 S:1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	28400	5.20	1.57	1.237
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	31400	4.49	1.56	1.316
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	26000	26.9	1.52	1.000
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	34300	27.8	1.27	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C				
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	150 + 157	C150				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5,6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD6_1.xls, S5

Approved by: *Rawsthorne* QA/QC Chemist

17-06-2005
dd-mm-yyyy

0099

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 20-Jan-2005 19:15
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-21
Sample Receipt Date: 29-Apr-2005	Sample Size: 9.99 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 14-May-2005 Time: 12:25:00	Instrument ID: HR GC/MS
Extract Volume (µL): 20	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_247 S:6
Dilution Factor: N/A	Blank Data Filename: PB5C_246 S:5
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_247 S:1
	% Moisture: 24.2

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		B	167	0.201	0.75	0.885
3,3',4,4' - TeCB	77		B	25.7	0.223	0.75	1.000
3,4,4',5 - TeCB	81		KJ	0.700	0.211	0.69	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C B	562	0.126	1.58	1.236
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	176	0.605	1.54	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C B	653	0.102	1.57	1.315
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	6.52	0.621	1.49	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		B	461	0.606	1.54	1.000
2',3,4,4',5 - PeCB	123			9.34	0.636	1.52	1.000
3,3',4,4',5 - PeCB	126			2.17	0.657	1.46	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C B	1300	0.672	1.26	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C B	1130	0.601	1.26	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	98.5	0.730	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	44.0	0.551	1.28	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		U		1.31		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C	999	0.0501	1.05	0.911
2,3,3',4,4',5,5' - HpCB	189			16.0	0.218	1.03	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately



Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 08-Mar-2005 13:50
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-22
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.7 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 14-May-2005	Instrument ID: HR GC/MS
Time: 13:29:15	GC Column ID: SPB-OCTYL
Extract Volume (µL): 50	Sample Data Filename: PB5C_247 S:7
Injection Volume (µL): 1.0	Blank Data Filename: PB5C_246 S:5
Dilution Factor: 2.5	Cal. Ver. Data Filename: PB5C_247 S:1
Concentration Units : ng/kg (dry weight basis)	% Moisture: 29.8

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	2770	3.17	0.77	0.885
3,3',4,4' - TeCB	77		D B	62.0	3.48	0.76	1.000
3,4,4',5 - TeCB	81		KD	5.49	3.13	0.76	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		E				
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	519	2.47	1.54	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123		D	358	2.57	1.54	1.000
3,3',4,4',5 - PeCB	126		D	12.1	2.62	1.45	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C E				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C E				
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	3710	7.99	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	1070	6.20	1.25	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		6.36		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	4740	0.129	1.06	0.911
2,3,3',4,4',5,5' - HpCB	189		D	124	0.339	1.03	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; D = dilution date; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD3_1.xls, S5

Approved by: *Maryshaw* QA/QC Chemist

17-06-2005
dd-mm-yyyy



Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 08-Mar-2005 13:50
Contract No.: 4033	Project No: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-22 W
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.7 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 28-May-2005 Time: 5:53:00	Instrument ID: HR GC/MS
Extract Volume (µL): 500	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_270 S:9
Dilution Factor: 25	Blank Data Filename: PB5C_246 S:5
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_270 S:1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	25200	2.36	1.57	1.236
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	9900	19.7	1.51	1.001
2,3,3',4',6 - PeCB	110	110 + 115	C D B	29100	2.04	1.56	1.315
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	24200	18.0	1.53	1.000
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	26700	16.1	1.28	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	16600	14.4	1.25	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data, D = dilution data; J = concentration less than LMCL; D = analyte found in sample and the associated blank; X = results reported separately

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 10-Mar-2005 14:53
Contract No.: 4033	Project No.: 04 08 06 24
Matrix: SOLID	Lab Sample ID: L7787-23
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.7 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 14-May-2005 Time: 14:33:31	Instrument ID: HR GC/MS
Extract Volume (µL): 50	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_247 S:8
Dilution Factor: 2.5	Blank Data Filename: PB5C_246 S:5
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_247 S:1
	% Moisture: 60.1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	2490	1.28	0.77	0.885
3,3',4,4' - TeCB	77		D B	238	1.43	0.76	1.000
3,4,4',5 - TeCB	81		D	9.24	1.34	0.79	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,4',5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	2060	4.76	1.53	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	105	4.82	1.56	1.001
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123		D	81.5	5.07	1.43	1.001
3,3',4,4',5 - PeCB	126		D	16.8	5.31	1.50	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C E				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C E				
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	1200	6.32	1.27	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	453	4.83	1.26	1.000
2,3',4,4',5',6 - HxCB	168	153 + 160	C153				
3,3',4,4',5,5' - HxCB	169		UD		14.3		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C E				
2,3,3',4,4',5,5' - HpCB	189		D	205	2.10	1.02	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD3_1.xls, S6

Approved by: *[Signature]* QA/QC Chemist

17-06-2005
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0117

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 10-Mar-2005 14:53
Contract No.: 4033	Project No: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-23 W
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.7 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 28-May-2005 Time: 6:57:18	Instrument ID: HR GC/MS
Extract Volume (µL): 250	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_270 S:10
Dilution Factor: 12.5	Blank Data Filename: PB5C_246 S:5
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_270 S:1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	6570	2.50	1.56	1.236
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	6660	2.16	1.57	1.315
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	5230 ✓	3.25	1.92	1.000
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	15200	5.22	1.26	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	14300	4.66	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	14300	0.296	1.06	0.911
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD6_1.xls, S7

Approved by:

Shawthorne

QA/QC Chemist

17-06-2005
dd-mm-yyyy

0120

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 25-Jan-2005 15:28

Contract No.: 4033

Project Number: 04-00-00-24

Matrix: SOLID

Lab Sample ID: L7787-1R

Sample Receipt Date: 29-Apr-2005

Sample Size: 10.8 g (dry)

Extraction Date: 23-Jun-2005

Initial Calibration Date: 16-Jun-2005

Analysis Date: 28-Jun-2005

Time: 18:23:10

Instrument ID: HR GC/MS

Extract Volume (µL): 50000

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5C_327 S:10

Dilution Factor: 2500

Blank Data Filename: PB5C_343A S:6

Concentration Units: ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5C_327 S:1

% Moisture: 51.8

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	3060000	4310	0.76	0.884
3,3',4,4' - TeCB	77		D B	80500	4010	0.74	1.000
3,4,4',5 - TeCB	81		D	6970	3840	0.87	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	3660000	1280	1.55	1.001
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D	207000	1290	1.58	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	12000000	1110	1.55	1.000
2',3,4,4',5 - PeCB	123		D	138000	1330	1.59	1.000
3,3',4,4',5 - PeCB	126		D	7980	1550	1.62	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	14000000	872	1.26	0.929
2,2',3,4,4',5 - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	9090000	782	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	1790000	974	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D	515000	736	1.27	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		1700		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	1600000	107	1.06	0.911
2,3,3',4,4',5,5' - HpCB	189		D	65700	323	1.05	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

Form 1A
PCB CONGENER EXTRACTION STANDARD ANALYSIS REPORT

CLIENT ID:
LDW-SS-109-010

Sample Collection: 25-Jan-2005 15:28
Project Number: 04-08-06-24
Lab Name: AXYS ANALYTICAL SERVICES
Lab Sample ID: L7787-1R
Contract No.: 4033
Sample Size: 10.8 g
Matrix: SOLID
Initial Calibration Date: 16-Jun-2005
Sample Receipt Date: 29-Apr-2005
Instrument ID: HR GC/MS
Extraction Date: 23-Jun-2005
GC Column ID: SPB-OCTYL
Analysis Date: 28-Jun-2005 Time: 18:23:10
Sample Data Filename: PB5C_327 S:10
Extract Volume (µL): 50000
Blank Data Filename: N/A
Injection Volume (µL): 1.0
Cal. Ver. Data Filename: PB5C_327 S:1
Dilution Factor: 2500
Concentration Units: pg absolute

EXTRACTION STANDARD	IUPAC NO. ¹	SPIKE CONC.	LAB FLAG ²	CONC. FOUND	DETECTION LIMIT	R(%) ³	ION ABUND. RATIO	RRT
13C12-2,4,4' - TriCB	28L	100000	D	91500	9700	91.5	1.05	0.848
13C12-2,3,3',5,5' - PeCB	111L	100000	D	82800	308	82.8	1.61	0.936
13C12-2,2',3,3',5,5',6 - HpCB	178L	100000	D	131000	778	131	1.05	1.084

(1) Suffix "L" indicates labeled compound

(2) U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; Z = compound not requested; N/A = standard was not spiked, data not available; X = results reported separately

(3) R% = percent recovery of labeled compounds

These pages are part of a larger report that may contain information necessary for full data evaluation.

16186EXD1_1.xls, S2

Approved by:



QA/QC Chemist

09-07-2005
dd-mm-yyyy

0073



Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 25-Jan-2005 15:28

Project Number: 04-06-00-24

Contract No.: 4033

Lab Sample ID: L7787-1R W

Matrix: SOLID

Sample Size: 10.8 g (dry)

Sample Receipt Date: 29-Apr-2005

Initial Calibration Date: 23-Jun-2005

Extraction Date: 23-Jun-2005

Instrument ID: HR GC/MS

Analysis Date: 06-Jul-2005 Time: 4:55:03

GC Column ID: SPB-OCTYL

Extract Volume (µL): 250000

Sample Data Filename: PB5C_339E S:6

Injection Volume (µL): 1.0

Blank Data Filename: PB5C_343A S:6

Dilution Factor: 12500

Cal. Ver. Data Filename: PB5C_339D S:1

Concentration Units : ng/kg (dry weight basis)

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	11700000	2390	1.58	0.870
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	14500000	2050	1.58	0.925
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118						
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C				
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	150 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; () = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 25-Jan-2005 14:56

Contract No.: 4033

Project Number: 04-08-08-24

Matrix: SOLID

Lab Sample ID: L7787-24R (A)

Sample Receipt Date: 29-Apr-2005

Sample Size: 5.21 g (dry)

Extraction Date: 23-Jun-2005

Initial Calibration Date: 16-Jun-2005

Analysis Date: 29-Jun-2005 Time: 3:12:10

Instrument ID: HR GC/MS

Extract Volume (µL): 4000

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5C_328B S:6

Dilution Factor: 200

Blank Data Filename: PB5C_343A S:6

Concentration Units: ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5C_328A S:1

% Moisture: 42.0

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	166000	175	0.77	0.885
3,3',4,4' - TeCB	77		D B	9030	221	0.77	1.000
3,4,4',5 - TeCB	81		K D	932	207	0.69	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	1070000	278	1.59	1.236
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	346000	293	1.55	1.001
2,3,3',4',6 - PeCB	110	110 + 115	C D B	1160000	237	1.59	1.315
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D	20300	300	1.49	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	986000	277	1.55	1.000
2',3,4,4',5 - PeCB	123		D	13400	322	1.57	1.000
3,3',4,4',5 - PeCB	126		D	1240	381	1.59	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	1040000	49.4	1.27	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	677000	44.0	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	148000	59.0	1.27	1.000
2,3,3',4,4',5' - HxCB	157	150 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D	43600	42.5	1.29	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		341		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	185000	6.98	1.06	0.911
2,3,3',4,4',5,5' - HpCB	189		D	5420	45.9	1.04	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

16186AD2_1.xls_S6

Approved by: *[Signature]* QA/QC Chemist

09-07-2005
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0094

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection:	25-Jan-2005 14:56
Contract No.: 4033	Project Number:	04 08-06-24
Matrix: SOLID	Lab Sample ID:	WG16186-103 (DUP L7787-24)
Sample Receipt Date: 29-Apr-2005	Sample Size:	5.48 g (dry)
Extraction Date: 23-Jun-2005	Initial Calibration Date:	16-Jun-2005
Analysis Date: 29-Jun-2005	Instrument ID:	HR GC/MS
Time: 4:16:29	GC Column ID:	SPB-OCTYL
Extract Volume (µL): 4000	Sample Data Filename:	PB5C_328B S:7
Injection Volume (µL): 1.0	Blank Data Filename:	PB5C_343A S:6
Dilution Factor: 200	Cal. Ver. Data Filename:	PB5C_328A S:1
Concentration Units : ng/kg (dry weight basis)	% Moisture:	41.0

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	159000	175	0.77	0.884
3,3',4,4' - TeCB	77		D B	8950	213	0.78	1.000
3,4,4',5 - TeCB	81		KD	824	213	0.85	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	1050000	142	1.58	1.237
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	364000	328	1.56	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	1120000	121	1.58	1.316
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D	19300	320	1.60	1.001
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	975000	291	1.56	1.000
2',3,4,4',5 - PeCB	123		D	13000	324	1.58	1.000
3,3',4,4',5 - PeCB	126		D	1090	410	1.43	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	1000000	103	1.27	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	638000	91.5	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	143000	124	1.27	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D	43300	92.2	1.30	1.000
2,3',4,4',5',6 - HxCB	168	153 + 160	C153				
3,3',4,4',5,5' - HxCB	169		UD		233		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	180000	8.27	1.06	0.911
2,3,3',4,4',5,5' - HpCB	189		D	5250	58.3	1.04	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

16186AD2_1.xls, S7

Approved by: *[Signature]* QA/QC Chemist

09-07-2005
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0099

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 19-Jan-2005 10:21
Contract No.: 4033	Project No.: 04 08 06 24
Matrix: SOLID	Lab Sample ID: L7787-25
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.4 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 14-May-2005 Time: 15:37:47	Instrument ID: HR GC/MS
Extract Volume (µL): 100	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_247 S:9
Dilution Factor: 5	Blank Data Filename: PB5C_246 S:5
Concentration Units : ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_247 S:1
	% Moisture: 43.8

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	8040	9.16	0.76	0.885
3,3',4,4' - TeCB	77		D B	1060	10.4	0.76	1.000
3,4,4',5 - TeCB	81		KD	34.0	9.75	0.75	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C80				
2,3,3',4,4' - PeCB	105		E				
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C80				
2,3,4,4',5 - PeCB	114		D B	610	6.60	1.54	1.001
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123		D	551	6.74	1.55	1.001
3,3',4,4',5 - PeCB	126		D	163	7.33	1.53	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C E				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 158	C E				
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	5200	2.22	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	1790	1.68	1.27	1.000
2,3',4,4',5',6 - HxCB	190	153 + 100	C153				
3,3',4,4',5,5' - HxCB	169		UD		17.4		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	11600	0.374	1.06	0.911
2,3,3',4,4',5,5' - HpCB	189		X				
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 19-Jan-2005 10:21
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-25 NK
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.4 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 28-May-2005	Instrument ID: HR GC/MS
Time: 17:44:20	GC Column ID: SPB-OCTYL
Extract Volume (µL): 3000	Sample Data Filename: PB5C_271 S:10
Injection Volume (µL): 1.0	Blank Data Filename: PB5C_246 S:5
Dilution Factor: 150	Cal. Ver. Data Filename: PB5C_271 S:1
Concentration Units : ng/kg (dry weight basis)	

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	32200	6.54	1.56	1.237
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	11800	39.2	1.53	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	40100	5.65	1.57	1.315
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	28400	35.6	1.52	1.001
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	48400	36.6	1.28	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	33100	33.2	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189		D J	239	3.71	0.99	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

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Approved by: *Mawsthorpe* QA/QC Chemist

17-06-2005
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0128

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 20-Jan-2005 14:06
Contract No.: 4033	Project No.: 01 08 06 24
Matrix: SOLID	Lab Sample ID: L7787-26
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.5 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 14-May-2005 Time: 16:42:01	Instrument ID: HR GC/MS
Extract Volume (µL): 20	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_247 S:10
Dilution Factor: N/A	Blank Data Filename: PB5C_246 S:5
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_247 S:1
	% Moisture: 53.3

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		B	2050	0.991	0.77	0.885
3,3',4,4' - TeCB	77		B	217	1.08	0.76	1.000
3,4,4',5 - TeCB	81			8.42	1.06	0.82	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	1530	2.03	1.54	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	79.3	2.04	1.52	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123			67.0	2.14	1.57	1.001
3,3',4,4',5 - PeCB	126			13.7	2.11	1.57	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C E				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C E				
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	677	3.05	1.25	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	237	2.45	1.26	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		U		3.64		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C E				
2,3,3',4,4',5,5' - HpCB	189			57.7	0.804	1.04	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD3_1.xls, S8

Approved by:

Mark Stroh

QA/QC Chemist

17-06-2005
dd-mm-yyyy

0133



Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 20-Jan-2005 14:06

Contract No.: 4033

Project No.: 04-08-06-24

Matrix: SOLID

Lab Sample ID: L7787-26 W

Sample Receipt Date: 29-Apr-2005

Sample Size: 10.5 g (dry)

Extraction Date: 09-May-2005

Initial Calibration Date: 20-Apr-2005

Analysis Date: 28-May-2005

Time: 11:18:27

Instrument ID: HR GC/MS

Extract Volume (µL): 100

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5C_271 S:4

Dilution Factor: 5

Blank Data Filename: PB5C_246 S:5

Concentration Units : ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5C_271 S:1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	4120	0.494	1.57	0.870
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	4890	0.427	1.56	0.925
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	110		D D	4000	4.64	1.51	1.001
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	6200	3.94	1.28	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	5420	3.57	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	3550	0.178	1.06	0.910
2,3,3',4,4',5,5' - HpCB	189						
2,3,3',4',5,3',6 - HpCB	193	100 + 193	C100				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD7_1.xls, S2

Approved by:

Handwritten signature

QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 15-Mar-2005 13:15

Contract No.: 4033

Project No.: 04-08-06-24

Matrix: SOLID

Lab Sample ID: L7787-27

Sample Receipt Date: 29-Apr-2005

Sample Size: 10.1 g (dry)

Extraction Date: 09-May-2005

Initial Calibration Date: 20-Apr-2005

Analysis Date: 15-May-2005 Time: 1:36:40

Instrument ID: HR GC/MS

Extract Volume (µL): 20

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5C_248 S:7

Dilution Factor: N/A

Blank Data Filename: PB5C_246 S:5

Concentration Units: ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5C_248 S:1

% Moisture: 31.4

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		B	1090	0.211	0.76	0.885
3,3',4,4' - TeCB	77		B	122	0.241	0.77	1.001
3,4,4',5 - TeCB	81			4.65	0.230	0.76	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C B	1260	0.0999	1.57	0.871
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	534	0.568	1.53	1.000
2,3,3',4',8 - PeCB	110	110 + 115	C B	1650	0.0837	1.57	0.926
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	30.4	0.562	1.54	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		B	1160	0.557	1.52	1.000
2',3,4,4',5 - PeCB	123			28.0	0.597	1.51	1.001
3,3',4,4',5 - PeCB	126			4.64	0.605	1.49	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C B	1380	2.27	1.25	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C B	1120	2.12	1.25	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	158	2.40	1.25	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	54.1	1.83	1.26	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		U		1.86		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C	632	0.0497	1.04	0.911
2,3,3',4,4',5,5' - HpCB	189			10.8	0.163	0.99	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD4_1.xls, S2

Approved by: *Mawson* QA/QC Chemist

17-06-2005
dd-mm-yyyy

0141

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 15-Mar-2005 08:44

Contract No.: 4033

Project No.: 04 08 06 24

Matrix: SOLID

Lab Sample ID: L7787-28

Sample Receipt Date: 29-Apr-2005

Sample Size: 10.4 g (dry)

Extraction Date: 09-May-2005

Initial Calibration Date: 20-Apr-2005

Analysis Date: 15-May-2005 Time: 2:40:59

Instrument ID: HR GC/MS

Extract Volume (µL): 20

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5C_248 S:8

Dilution Factor: N/A

Blank Data Filename: PB5C_246 S:5

Concentration Units: ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5C_248 S:1

% Moisture: 50.1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		B	354	0.437	0.76	0.885
3,3',4,4' - TeCB	77		B	39.9	0.526	0.74	1.000
3,4,4',5 - TeCB	81		J	1.61	0.470	0.79	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C B	623	0.121	1.57	1.236
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	253	0.502	1.53	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C B	794	0.101	1.56	1.315
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	13.1	0.477	1.50	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		B	614	0.467	1.52	1.000
2',3,4,4',5 - PeCB	123			11.6	0.494	1.52	1.001
3,3',4,4',5 - PeCB	126			3.30	0.531	1.61	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C B	964	0.761	1.25	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C B	821	0.711	1.25	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	102	0.814	1.27	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	36.1	0.605	1.23	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		U		0.671		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C	552	0.0685	1.04	0.911
2,3,3',4,4',5,5' - HpCB	189		X				
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD4_1.xls, S3

Approved by:  QA/QC Chemist

17-06-2005
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Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 15-Mar-2005 08:44
Contract No.: 4033	Project No.: 04-08-08-24
Matrix: SOLID	Lab Sample ID: L7787-28 W
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.4 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 28-May-2005	Instrument ID: HR GC/MS
Time: 13:27:04	GC Column ID: SPB-OCTYL
Extract Volume (µL): 100	Sample Data Filename: PB5C_271 S:6
Injection Volume (µL): 1.0	Blank Data Filename: PB5C_246 S:5
Dilution Factor: 5	Cal. Ver. Data Filename: PB5C_271 S:1
Concentration Units : ng/kg (dry weight basis)	

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118						
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C				
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	163 + 168	C163				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189		D J	9.30	0.339	0.96	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD7_1.xls, S4

Approved by: *Rawdyhowe* QA/QC Chemist

17-06-2005
dd-mm-yyyy

0149

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 16:01
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-29
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.5 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 15-May-2005 Time: 3:45:17	Instrument ID: HR GC/MS
Extract Volume (µL): 50	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_248 S:9
Dilution Factor: 2.5	Blank Data Filename: PB5C_246 S:5
Concentration Units : ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_248 S:1
	% Moisture: 52.2

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	4860	2.31	0.76	0.885
3,3',4,4' - TeCB	77		D B	638	2.64	0.76	1.000
3,4,4',5 - TeCB	81		D	18.3	2.50	0.81	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	4130	1.46	1.53	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	174	1.51	1.56	1.001
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123		D	163	1.51	1.53	1.000
3,3',4,4',5 - PeCB	126		D	28.1	1.57	1.58	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C E				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	10400	6.56	1.25	0.900
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	1770	7.31	1.25	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	612	5.57	1.25	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C163				
3,3',4,4',5,5' - HxCB	169		UD		5.87		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	5050	0.230	1.05	0.911
2,3,3',4,4',5,5' - HpCB	189		X				
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; L = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD4_1.xls, S4

Approved by *[Signature]* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 24-Jan-2005 16:01
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-29 W
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.5 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 28-May-2005	Instrument ID: HR GC/MS
Time: 14:31:23	GC Column ID: SPB-OCTYL
Extract Volume (µL): 250	Sample Data Filename: PB5C_271 S:7
Injection Volume (µL): 1.0	Blank Data Filename: PB5C_246 S:5
Dilution Factor: 12.5	Cal. Ver. Data Filename: PB5C_271 S:1
Concentration Units : ng/kg (dry weight basis)	

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66						
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	12400	0.842	1.57	1.237
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	15600	0.727	1.56	1.315
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',6 - PeCB	118		D B	10100	11.7	1.51	1.001
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	16100	11.6	1.26	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C				
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189		D	97.4	1.11	1.02	1.000
2,3,3',4',5,5',6 - HpCB	193	100 + 193	C100				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution date; D = dilution date; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 26-Jan-2005 11:44

Contract No.: 4033

Project Number: 04-08-05 24

Matrix: SOLID

Lab Sample ID: L7787-2R

Sample Receipt Date: 29-Apr-2005

Sample Size: 5.48 g (dry)

Extraction Date: 23-Jun-2005

Initial Calibration Date: 16-Jun-2005

Analysis Date: 28-Jun-2005

Time: 22:54:54

Instrument ID: HR GC/MS

Extract Volume (µL): 2000

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5C_328B S:2

Dilution Factor: 100

Blank Data Filename: PB5C_343A S:6

Concentration Units : ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5C_328A S:1

% Moisture: 43.1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	165000	131	0.77	0.885
3,3',4,4' - TeCB	77		D B	17100	164	0.76	1.000
3,4,4',5 - TeCB	81		KD	365	159	0.75	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	125000	99.7	1.59	0.870
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	31500	28.8	1.57	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C D B	214000	85.1	1.58	0.925
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D	2280	27.7	1.44	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	108000	26.4	1.55	1.001
2',3,4,4',5 - PeCB	123		D	1790	27.9	1.48	1.000
3,3',4,4',5 - PeCB	126		D	242	35.6	1.72	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	56700	10.6	1.25	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	50600	9.48	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	7110	13.0	1.28	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D	2320	9.34	1.28	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		20.5		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	12800	1.23	1.07	0.911
2,3,3',4,4',5,5' - HpCB	189		D	338	5.22	0.98	1.001
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

16186AD2_1.xls, S2

Approved by: *[Signature]* QA/QC Chemist

09-07-2005
dd-mm-yyyy

0079

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 09-Mar-2005 16:08
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-30 (A)
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.4 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 14-May-2005 Time: 4:49:53	Instrument ID: HR GC/MS
Extract Volume (µL): 20	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_246 S:10
Dilution Factor: N/A	Blank Data Filename: PB5C_246 S:5
Concentration Units : ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_246 S:1
	% Moisture: 40.2

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		E				
3,3',4,4' - TeCB	77		B	338	0.795	0.77	1.000
3,4,4',5 - TeCB	81			9.53	0.794	0.77	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	1280	4.12	1.53	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	67.3	4.16	1.57	1.001
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123			64.7	4.32	1.57	1.000
3,3',4,4',5 - PeCB	126			16.3	4.42	1.58	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C B	3780	1.71	1.26	0.929
2,2',3,4,4',5 - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C B	3120	1.51	1.26	0.900
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	418	1.98	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	145	1.44	1.25	1.000
2,3',4,4',5,6 - HxCB	168	163 + 168	C163				
3,3',4,4',5,5' - HxCB	169		U		2.55		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C	1990	0.0708	1.06	0.911
2,3,3',4,4',5,5' - HpCB	189		X				
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; L = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD1_1.xls, S5

Approved by: *[Signature]* QA/QC Chemist

17-06-2005
dd-mm-yyyy

0162

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 09-Mar-2005 16:08
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-30 W (A)
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.4 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 28-May-2005 Time: 1:35:44	Instrument ID: HR GC/MS
Extract Volume (µL): 200	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_270 S:5
Dilution Factor: 10	Blank Data Filename: PB5C_246 S:5
Concentration Units : ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_270 S:1

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	3270	2.90	0.78	0.885
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	3920	0.570	1.57	1.237
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	5090	0.493	1.56	1.315
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',b - PeCB	118		D B	3970	5.33	1.50	1.001
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C				
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5,6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189		D	28.5	0.298	0.99	1.000
2,3,3',4',5,5',b - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD6_1.xls, S3

Approved by: *Kawashome* QA/QC Chemist

17-06-2005
dd-mm-yyyy

0165

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 09-Mar-2005 16:08
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: WG15674-104 (DUP L7787-30)
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.4 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 14-May-2005 Time: 3:45:38	Instrument ID: HR GC/MS
Extract Volume (µL): 20	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_246 S:9
Dilution Factor: N/A	Blank Data Filename: PB5C_246 S:5
Concentration Units : ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_246 S:1
	% Moisture: 40.4

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		E				
3,3',4,4' - TeCB	77		B	524	1.99	0.77	1.000
3,4,4',5 - TeCB	81			12.5	1.93	0.76	1.001
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		B	1350	4.43	1.54	1.000
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		B	71.4	4.34	1.54	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		E				
2',3,4,4',5 - PeCB	123			64.1	4.65	1.54	1.001
3,3',4,4',5 - PeCB	126			16.0	4.79	1.56	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C B	3370	1.76	1.26	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C B	2780	1.55	1.26	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C B	402	2.01	1.25	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		B	139	1.50	1.25	1.000
2,3',4,4',5',6 - HxCB	168	168 + 168	C163				
3,3',4,4',5,5' - HxCB	169		U		2.49		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C	1840	0.0969	1.06	0.911
2,3,3',4,4',5,5' - HpCB	189		X				
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD1_1.xls, S4

Approved by:

M. Rawsthorn

QA/QC Chemist

17-06-2005
dd-mm-yyyy



Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 09-Mar-2005 16:08
Contract No.: 4033	Project No.: 04-08-08-24
Matrix: SOLID	Lab Sample ID: WG15674-104 W (DUP L7787-30)
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.4 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 28-May-2005	Instrument ID: HR GC/MS
Time: 0:31:24	GC Column ID: SPB-OCTYL
Extract Volume (µL): 200	Sample Data Filename: PB5C_270 S:4
Injection Volume (µL): 1.0	Blank Data Filename: PB5C_246 S:5
Dilution Factor: 10	Cal. Ver. Data Filename: PB5C_270 S:1
Concentration Units: ng/kg (dry weight basis)	

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	5040	4.31	0.78	0.885
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	3790	1.20	1.57	0.870
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105						
2,3,3',4',6 - PeCB	110	110 + 115	C D B	4830	1.04	1.57	0.925
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	3650	4.45	1.33	1.000
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C				
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C163				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C				
2,3,3',4,4',5,5' - HpCB	189		D	26.8	0.500	1.06	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD6_1.xls, S2

Approved by:

Mawxhorne

QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES

Sample Collection: 11-Mar-2005 10:36

Contract No.: 4033

Project No.: 04 08 06 24

Matrix: SOLID

Lab Sample ID: L7787-31

Sample Receipt Date: 29-Apr-2005

Sample Size: 10.2 g (dry)

Extraction Date: 09-May-2005

Initial Calibration Date: 20-Apr-2005

Analysis Date: 15-May-2005

Time: 4:49:37

Instrument ID: HR GC/MS

Extract Volume (µL): 100

GC Column ID: SPB-OCTYL

Injection Volume (µL): 1.0

Sample Data Filename: PB5C_248 S:10

Dilution Factor: 5

Blank Data Filename: PB5C_246 S:5

Concentration Units : ng/kg (dry weight basis)

Cal. Ver. Data Filename: PB5C_248 S:1

% Moisture: 32.4

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		E				
3,3',4,4' - TeCB	77		D B	3100	11.8	0.76	1.000
3,4,4',5' - TeCB	81		D	146	11.6	0.76	1.001
2,2',3,4',5' - PeCB	90	90 + 101 + 113	C E				
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		E				
2,3,3',4',6 - PeCB	110	110 + 115	C E				
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5' - PeCB	114		D B	812	4.21	1.52	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5' - PeCB	118		E				
2',3,4,4',5' - PeCB	123		D	582	4.25	1.52	1.001
3,3',4,4',5' - PeCB	126		D	86.3	4.36	1.48	1.000
2,2',3,3',4,5' - HxCB	129	129 + 138 + 160 + 163	C E				
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C E				
2,3,3',4,4',5' - HxCB	156	156 + 157	C D B	4760	2.50	1.25	1.000
2,3,3',4,4',5' - HxCB	157	166 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	1560	1.86	1.25	1.000
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169		UD		26.1		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C E				
2,3,3',4,4',5,5' - HpCB	189		X				
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD4_1.xls, S5

Approved by *[Signature]* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 11-Mar-2005 10:36
Contract No.: 4033	Project No.: 04-08-05-24
Matrix: SOLID	Lab Sample ID: L7787-31 NK
Sample Receipt Date: 29-Apr-2005	Sample Size: 10.2 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 28-May-2005	Instrument ID: HR GC/MS
Time: 16:40:00	GC Column ID: SPB-OCTYL
Extract Volume (µL): 3000	Sample Data Filename: PB5C_271 S:9
Injection Volume (µL): 1.0	Blank Data Filename: PB5C_246 S:5
Dilution Factor: 150	Cal. Ver. Data Filename: PB5C_271 S:1
Concentration Units : ng/kg (dry weight basis)	

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	30600	28.3	0.76	0.885
3,3',4,4' - TeCB	77						
3,4,4',5 - TeCB	81						
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	30700	7.61	1.56	1.236
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	12000	26.0	1.54	1.001
2,3,3',4',6 - PeCB	110	110 + 115	C D B	32300	6.57	1.58	1.315
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114						
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	25600	25.5	1.52	1.000
2',3,4,4',5 - PeCB	123						
3,3',4,4',5 - PeCB	126						
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	40900	37.1	1.26	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	34200	33.6	1.27	0.899
2,3,3',4,4',5 - HxCB	156	156 + 157	C				
2,3,3',4,4',6' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167						
2,3',4,4',5',6 - HxCB	168	153 + 168	C153				
3,3',4,4',5,5' - HxCB	169						
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	20600	0.162	1.05	0.911
2,3,3',4,4',5,5' - HpCB	189		D	475	5.02	0.98	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD7_1.xls, S7

Approved by  QA/QC Chemist

17-06-2005
dd-mm-yyyy

0181

Form 1A
PCB CONGENER ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES	Sample Collection: 15-Mar-2005 09:23
Contract No.: 4033	Project No.: 04-08-06-24
Matrix: SOLID	Lab Sample ID: L7787-32
Sample Receipt Date: 29-Apr-2005	Sample Size: 11.2 g (dry)
Extraction Date: 09-May-2005	Initial Calibration Date: 20-Apr-2005
Analysis Date: 15-May-2005 Time: 5:53:58	Instrument ID: HR GC/MS
Extract Volume (µL): 50	GC Column ID: SPB-OCTYL
Injection Volume (µL): 1.0	Sample Data Filename: PB5C_248 S:11
Dilution Factor: 2.5	Blank Data Filename: PB5C_246 S:5
Concentration Units: ng/kg (dry weight basis)	Cal. Ver. Data Filename: PB5C_248 S:1
	% Moisture: 35.6

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG ¹	CONC. FOUND	DETECTION LIMIT	ION ABUND. RATIO	RRT
2,3',4,4' - TeCB	66		D B	4780	3.06	0.76	0.885
3,3',4,4' - TeCB	77		D B	388	3.48	0.76	1.000
3,4,4',5 - TeCB	81		D	15.8	3.41	0.86	1.000
2,2',3,4',5 - PeCB	90	90 + 101 + 113	C D B	2330	0.297	1.57	1.236
2,2',4,5,5' - PeCB	101	90 + 101 + 113	C90				
2,3,3',4,4' - PeCB	105		D B	1070	2.07	1.53	1.001
2,3,3',4',6 - PeCB	110	110 + 115	C D B	2920	0.249	1.58	1.314
2,3,3',5',6 - PeCB	113	90 + 101 + 113	C90				
2,3,4,4',5 - PeCB	114		D B	67.4	2.08	1.54	1.000
2,3,4,4',6 - PeCB	115	110 + 115	C110				
2,3',4,4',5 - PeCB	118		D B	2290	2.05	1.53	1.000
2',3,4,4',5 - PeCB	123		D	44.8	2.22	1.52	1.000
3,3',4,4',5 - PeCB	126		D	7.93	2.28	1.41	1.000
2,2',3,3',4,5 - HxCB	129	129 + 138 + 160 + 163	C D B	1720	1.24	1.25	0.929
2,2',3,4,4',5' - HxCB	138	129 + 138 + 160 + 163	C129				
2,2',4,4',5,5' - HxCB	153	153 + 168	C D B	1370	1.15	1.26	0.900
2,3,3',4,4',5 - HxCB	156	156 + 157	C D B	207	1.30	1.26	1.000
2,3,3',4,4',5' - HxCB	157	156 + 157	C156				
2,3,3',4,5,6 - HxCB	160	129 + 138 + 160 + 163	C129				
2,3,3',4',5,6 - HxCB	163	129 + 138 + 160 + 163	C129				
2,3',4,4',5,5' - HxCB	167		D B	66.3	0.999	1.25	1.001
2,3',4,4',5',6 - HxCB	100	153 + 168	C163				
3,3',4,4',5,5' - HxCB	169		UD		1.07		
2,2',3,4,4',5,5' - HpCB	180	180 + 193	C D	667	0.169	1.05	0.911
2,3,3',4,4',5,5' - HpCB	189		D	11.2	0.391	1.02	1.000
2,3,3',4',5,5',6 - HpCB	193	180 + 193	C180				

(1) C = co-eluting congener; U = not detected; K = peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration; E = exceeds calibrated linear range, see dilution data; D = dilution data; J = concentration less than LMCL; B = analyte found in sample and the associated blank; X = results reported separately

15674AD4_1.xls, S6

Approved by: *Rawshaw* QA/QC Chemist

17-06-2005
dd-mm-yyyy

Organochlorine Pesticides

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

Sample ID: LDW-SS2-010
SAMPLE

Lab Sample ID: HW06B
LIMS ID: 05-5376
Matrix: Sediment
Data Release Authorized: *MS*
Reported: 03/28/05

QC Report No: HW06-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Date Extracted: 03/22/05
Date Analyzed: 03/25/05 04:12
Instrument/Analyst: ECD3/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: 6.9
Percent Moisture: 41.5%

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	1.5	< 1.5 Y
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	6.9	< 6.9 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	4.2	< 4.2 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
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	8.1	< 8.1 Y

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	89.8%
Tetrachlorometaxylene	62.0%

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

Sample ID: LDW-SS9-010
SAMPLE

Lab Sample ID: HV58D
LIMS ID: 05-5109
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/28/05

QC Report No: HV58-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Date Extracted: 03/22/05
Date Analyzed: 03/25/05 07:36
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.4
Percent Moisture: 26.9%

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	2.5	< 2.5 Y
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	7.4	< 7.4 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
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	3.4	< 3.4 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	120%
Tetrachlorometaxylene	67.5%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS25-010
 SAMPLE

Lab Sample ID: HV42H
 LIMS ID: 05-4932
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/23/05

QC Report No: HV42-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/10/05
 Date Received: 03/11/05

Date Extracted: 03/21/05
 Date Analyzed: 03/22/05 19:34
 Instrument/Analyst: ECD3/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 26.2 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.1
 Percent Moisture: 19.8%

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 µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	64.0%
Tetrachlorometaxylene	73.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS41-010
SAMPLE

Lab Sample ID: HV00C
LIMS ID: 05-4646
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/22/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/18/05 17:42
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 14.7 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 7.1
Percent Moisture: 42.3%

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	3.4	< 3.4 U
72-55-9	4,4'-DDE	3.4	< 3.4 U
72-20-8	Endrin	3.4	< 3.4 U
33213-65-9	Endosulfan II	3.4	< 3.4 U
72-54-8	4,4'-DDD	3.4	< 3.4 U
1031-07-8	Endosulfan Sulfate	3.4	< 3.4 U
50-29-3	4,4'-DDT	3.4	< 3.4 U
72-43-5	Methoxychlor	17	< 17 U
53494-70-5	Endrin Ketone	3.4	< 3.4 U
7421-93-4	Endrin Aldehyde	3.4	< 3.4 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	3.4	< 3.4 U
3424-82-6	2,4'-DDE	3.4	< 3.4 U
53-19-0	2,4'-DDD	3.4	< 3.4 U
27304-13-8	oxy Chlordane	3.4	< 3.4 U
5103-73-1	cis-Nonachlor	3.4	< 3.4 U
39765-80-5	trans-Nonachlor	3.4	< 3.4 U
2385-85-5	Mirex	3.4	< 3.4 U

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	85.0%
Tetrachlorometaxylene	67.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS59-010
SAMPLE

Lab Sample ID: HV58F
 LIMS ID: 05-5111
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/28/05

QC Report No: HV58-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/14/05

Date Extracted: 03/22/05
 Date Analyzed: 03/25/05 04:46
 Instrument/Analyst: ECD3/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: 6.2
 Percent Moisture: 44.1%

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	1.9	< 1.9 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	4.1	< 4.1 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	8.9	< 8.9 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	3.9	< 3.9 Y
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	77.0%
Tetrachlorometaxylene	69.5%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS69b-010
SAMPLE

Lab Sample ID: HW06C
LIMS ID: 05-5377
Matrix: Sediment
Data Release Authorized: 
Reported: 03/28/05

QC Report No: HW06-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Date Extracted: 03/22/05
Date Analyzed: 03/25/05 03:37
Instrument/Analyst: ECD3/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: 50.6%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	1.7	< 1.7 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	3.1	< 3.1 Y
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	1.5	< 1.5 Y
60-57-1	Dieldrin	5.5	< 5.5 Y
72-55-9	4,4'-DDE	6.7	< 6.7 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	12	< 12 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	11	< 11 Y
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	7.7	< 7.7 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	86.5%
Tetrachlorometaxylene	65.5%

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Sample ID: LDW-SS73-010
SAMPLE

Lab Sample ID: HU85B
 LIMS ID: 05-4533
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/21/05

QC Report No: HU85-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/07/05
 Date Received: 03/07/05

Date Extracted: 03/14/05
 Date Analyzed: 03/19/05 02:17
 Instrument/Analyst: ECD3/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: 7.3
 Percent Moisture: 52.1%

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	3.7	< 3.7 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	4.5	< 4.5 Y
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	12	< 12 Y
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
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	6.4	< 6.4 Y
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	7.5	< 7.5 Y

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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	178%
Tetrachlorometaxylene	71.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS74-010
SAMPLE

Lab Sample ID: HU85F
 LIMS ID: 05-4537
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/21/05

QC Report No: HU85-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/07/05
 Date Received: 03/07/05

Date Extracted: 03/14/05
 Date Analyzed: 03/19/05 02:49
 Instrument/Analyst: ECD3/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: 7.1
 Percent Moisture: 29.1%

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	8.5	< 8.5 Y
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	4.2	< 4.2 Y
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	94.5%
Tetrachlorometaxylene	65.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS81-010
SAMPLE

Lab Sample ID: HV00A
 LIMS ID: 05-4644
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/22/05

QC Report No: HV00-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Date Extracted: 03/16/05
 Date Analyzed: 03/18/05 17:10
 Instrument/Analyst: ECD3/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: 7.3
 Percent Moisture: 50.3%

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	4.7	< 4.7 Y
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	9.2	< 9.2 Y
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	3.6	< 3.6 Y
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	4.7	< 4.7 Y
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	114%
Tetrachlorometaxylene	70.5%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS82-010
SAMPLE

Lab Sample ID: HU85D
 LIMS ID: 05-4535
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/21/05

QC Report No: HU85-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/07/05
 Date Received: 03/07/05

Date Extracted: 03/14/05
 Date Analyzed: 03/19/05 05:29
 Instrument/Analyst: ECD3/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: 7.3
 Percent Moisture: 46.1%

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	6.0	< 6.0 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	5.2	< 5.2 Y
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	11	< 11 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
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	5.2	< 5.2 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	89.5%
Tetrachlorometaxylene	63.0%

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS204-010
SAMPLE

Lab Sample ID: HU85G
 LIMS ID: 05-4538
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 03/21/05

QC Report No: HU85-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/07/05
 Date Received: 03/07/05

Date Extracted: 03/14/05
 Date Analyzed: 03/19/05 06:01
 Instrument/Analyst: ECD3/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: 44.6%

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	4.6	< 4.6 Y
72-55-9	4,4'-DDE	7.2	< 7.2 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	3.1	< 3.1 Y
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	8.6	< 8.6 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	6.2	< 6.2 Y
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	92.2%
Tetrachlorometaxylene	70.0%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS85-010
SAMPLE

Lab Sample ID: HU85A
LIMS ID: 05-4532
Matrix: Sediment
Data Release Authorized: *AS*
Reported: 03/21/05

QC Report No: HU85-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Date Extracted: 03/14/05
Date Analyzed: 03/19/05 04:57
Instrument/Analyst: ECD3/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: 10.0
Silica Gel: Yes
pH: 6.5
Percent Moisture: 35.0%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	9.8	< 9.8 U
319-85-7	beta-BHC	9.8	< 9.8 U
319-86-8	delta-BHC	9.8	< 9.8 U
58-89-9	gamma-BHC (Lindane)	9.8	< 9.8 U
76-44-8	Heptachlor	9.8	< 9.8 U
309-00-2	Aldrin	9.8	< 9.8 U
1024-57-3	Heptachlor Epoxide	9.8	< 9.8 U
959-98-8	Endosulfan I	9.8	< 9.8 U
60-57-1	Dieldrin	20	< 20 U
72-55-9	4,4'-DDE	20	< 20 U
72-20-8	Endrin	20	< 20 U
33213-65-9	Endosulfan II	20	< 20 U
72-54-8	4,4'-DDD	20	< 20 U
1031-07-8	Endosulfan Sulfate	20	< 20 U
50-29-3	4,4'-DDT	20	< 20 U
72-43-5	Methoxychlor	98	< 98 U
53494-70-5	Endrin Ketone	20	< 20 U
7421-93-4	Endrin Aldehyde	20	< 20 U
5103-74-2	gamma Chlordane	9.8	59
5103-71-9	alpha Chlordane	9.8	36
8001-35-2	Toxaphene	980	< 980 U
118-74-1	Hexachlorobenzene	9.8	< 9.8 U
87-68-3	Hexachlorobutadiene	9.8	< 9.8 U
789-02-6	2,4'-DDT	20	< 20 U
3424-82-6	2,4'-DDE	20	< 20 U
53-19-0	2,4'-DDD	20	< 20 U
27304-13-8	oxy Chlordane	20	< 20 U
5103-73-1	cis-Nonachlor	20	< 20 U
39765-80-5	trans-Nonachlor	20	< 20 U
2385-85-5	Mirex	20	< 20 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	118%
Tetrachlorometaxylene	75.0%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS93-010
SAMPLE

Lab Sample ID: HV72A
 LIMS ID: 05-5210
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/25/05

QC Report No: HV72-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/16/05

Date Extracted: 03/21/05
 Date Analyzed: 03/24/05 17:23
 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: 7.0
 Percent Moisture: 56.7%

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	2.5	< 2.5 Y
309-00-2	Aldrin	4.3	< 4.3 Y
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	2.8	< 2.8 Y
60-57-1	Dieldrin	5.2	< 5.2 Y
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	13	< 13 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	1.7	< 1.7 Y
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	8.8	< 8.8 Y
39765-80-5	trans-Nonachlor	2.0	< 2.0 U
2385-85-5	Mirex	11	< 11 Y

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	120%
Tetrachlorometaxylene	78.0%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS108-010
SAMPLE

Lab Sample ID: HV42E
 LIMS ID: 05-4929
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/23/05

QC Report No: HV42-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/10/05
 Date Received: 03/11/05

Date Extracted: 03/21/05
 Date Analyzed: 03/22/05 19:00
 Instrument/Analyst: ECD3/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: 56.3%

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	5.4	< 5.4 Y
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	14	< 14 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
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	101%
Tetrachlorometaxylene	75.0%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS131-010
SAMPLE

Lab Sample ID: HV00M
LIMS ID: 05-4656
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 03/22/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/18/05 18:14
Instrument/Analyst: ECD3/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: 6.5
Percent Moisture: 53.3%

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
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	77.0%
Tetrachlorometaxylene	75.0%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS206-010
SAMPLE

Lab Sample ID: HV00N
LIMS ID: 05-4657
Matrix: Sediment
Data Release Authorized:
Reported: 03/22/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/18/05 18:47
Instrument/Analyst: ECD3/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: 6.7
Percent Moisture: 52.7%

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	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	1.6
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	67.5%
Tetrachlorometaxylene	74.0%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS133-10
SAMPLE

Lab Sample ID: HV37D
LIMS ID: 05-4886
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 03/22/05

QC Report No: HV37-Windward Environmental
Project: LDW.RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/16/05
Date Analyzed: 03/18/05 20:55
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.9
Percent Moisture: 54.9%

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	1.1	< 1.1 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	< 2.0 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	77.0%
Tetrachlorometaxylene	72.5%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS140-010
SAMPLE

Lab Sample ID: HV000
LIMS ID: 05-4658
Matrix: Sediment
Data Release Authorized:
Reported: 03/22/05

QC Report No: HV00-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Date Extracted: 03/16/05
Date Analyzed: 03/18/05 19:19
Instrument/Analyst: ECD3/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: 6.8
Percent Moisture: 24.0%

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	72.5%
Tetrachlorometaxylene	75.2%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS144-010
SAMPLE

Lab Sample ID: HV76J
 LIMS ID: 05-5232
 Matrix: Sediment
 Data Release Authorized: *AB*
 Reported: 03/25/05

QC Report No: HV76-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/15/05

Date Extracted: 03/21/05
 Date Analyzed: 03/24/05 21:22
 Instrument/Analyst: ECD3/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: 7.0
 Percent Moisture: 31.4%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	3.0	< 3.0 Y
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	7.6	< 7.6 Y
72-55-9	4,4'-DDE	9.4	< 9.4 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	18	< 18 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
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	10	< 10 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	83.5%
Tetrachlorometaxylene	76.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS150-10
SAMPLE

Lab Sample ID: HV37P
LIMS ID: 05-4898
Matrix: Sediment
Data Release Authorized: 
Reported: 03/22/05

QC Report No: HV37-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Date Extracted: 03/16/05
Date Analyzed: 03/18/05 21:27
Instrument/Analyst: ECD3/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: 6.8
Percent Moisture: 36.7%

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
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	85.0%
Tetrachlorometaxylene	71.5%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS152-010
SAMPLE

Lab Sample ID: HV76H
 LIMS ID: 05-5230
 Matrix: Sediment
 Data Release Authorized: *[Signature]*
 Reported: 03/25/05

QC Report No: HV76-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/15/05

Date Extracted: 03/21/05
 Date Analyzed: 03/24/05 20:48
 Instrument/Analyst: ECD3/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: 18.6%

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	68.5%
Tetrachlorometaxylene	75.0%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SS155-010
SAMPLE

Lab Sample ID: HV76E
 LIMS ID: 05-5227
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/25/05

QC Report No: HV76-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/15/05

Date Extracted: 03/21/05
 Date Analyzed: 03/24/05 20:14
 Instrument/Analyst: ECD3/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: 7.1
 Percent Moisture: 31.0%

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	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	75.8%
Tetrachlorometaxylene	76.8%

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Sample ID: LDW-SSB2b-010
SAMPLE

Lab Sample ID: HV38C
LIMS ID: 05-4924
Matrix: Sediment
Data Release Authorized: *AB*
Reported: 03/23/05

QC Report No: HV38-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/11/05
Date Received: 03/11/05

Date Extracted: 03/21/05
Date Analyzed: 03/22/05 17:17
Instrument/Analyst: ECD3/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: 32.7%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	7.2	< 7.2 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	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	3.5	< 3.5 Y
60-57-1	Dieldrin	11	< 11 Y
72-55-9	4,4'-DDE	14	< 14 Y
72-20-8	Endrin	5.0	< 5.0 Y
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	5.8	< 5.8 Y
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	25	< 25 Y
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	20	< 20 Y
5103-73-1	cis-Nonachlor	16	< 16 Y
39765-80-5	trans-Nonachlor	5.6	< 5.6 Y
2385-85-5	Mirex	1.9	< 1.9 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	108%
Tetrachlorometaxylene	73.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SSB4a-010
SAMPLE

Lab Sample ID: II22A
 LIMS ID: 05-12417
 Matrix: Sediment
 Data Release Authorized:
 Reported: 08/02/05

QC Report No: II22-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/14/05

Date Extracted: 07/28/05
 Date Analyzed: 08/01/05 13:44
 Instrument/Analyst: ECD4/YZ
 GPC Cleanup: Yes
 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: 6.7
 Percent Moisture: 40.9%

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)	1.9	< 1.9 Y
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	< 2.0 U
72-55-9	4,4'-DDE	1.9	< 2.0 U
72-20-8	Endrin	1.9	< 2.0 U
33213-65-9	Endosulfan II	10	< 10 Y
72-54-8	4,4'-DDD	1.9	< 2.0 U
1031-07-8	Endosulfan Sulfate	1.9	< 2.0 U
50-29-3	4,4'-DDT	1.9	< 2.0 U
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	1.9	< 2.0 U
7421-93-4	Endrin Aldehyde	3.3	< 3.3 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	2.1
87-68-3	Hexachlorobutadiene	0.97	< 0.97 U
789-02-6	2,4'-DDT	1.9	< 2.0 U
3424-82-6	2,4'-DDE	1.9	< 2.0 U
53-19-0	2,4'-DDD	1.9	< 2.0 U
27304-13-8	oxy Chlordane	1.9	< 2.0 U
5103-73-1	cis-Nonachlor	1.9	< 2.0 U
39765-80-5	trans-Nonachlor	1.9	< 2.0 U
2385-85-5	Mirex	1.9	< 2.0 U


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

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	53.2%
Tetrachlorometaxylene	79.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SSB5b-010
SAMPLE

Lab Sample ID: HV58G
 LIMS ID: 05-5112
 Matrix: Sediment
 Data Release Authorized: 
 Reported: 03/28/05

QC Report No: HV58-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/14/05

Date Extracted: 03/22/05
 Date Analyzed: 03/25/05 05:20
 Instrument/Analyst: ECD3/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: 6.1
 Percent Moisture: 24.7%

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	2.6	< 2.6 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	9.7	< 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
27304-13-8	oxy Chlordane	2.0	< 2.0 U
5103-73-1	cis-Nonachlor	3.3	< 3.3 Y
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	80.0%
Tetrachlorometaxylene	71.8%

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PSDDA Pesticides/PCB by GC/ECD
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Sample ID: LDW-SSB6a-010
SAMPLE

Lab Sample ID: HV72E
LIMS ID: 05-5214
Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/25/05

QC Report No: HV72-Windward Environmental
Project: LDW RI-Surface Sediment Chemistry
04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Date Extracted: 03/21/05
Date Analyzed: 03/24/05 17:57
Instrument/Analyst: ECD3/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: 6.8
Percent Moisture: 27.9%

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	1.8	< 1.8 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	4.7	< 4.7 Y
72-55-9	4,4'-DDE	7.0	< 7.0 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	4.9	< 4.9 Y
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	6.7	< 6.7 Y
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	77.0%
Tetrachlorometaxylene	70.2%

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

Sample ID: LDW-SSB7a-010
 SAMPLE

Lab Sample ID: HW16A
 LIMS ID: 05-5438
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/28/05

QC Report No: HW16-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/18/05
 Date Received: 03/18/05

Date Extracted: 03/22/05
 Date Analyzed: 03/25/05 05:54
 Instrument/Analyst: ECD3/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.6 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.2
 Percent Moisture: 50.5%

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	4.3	< 4.3 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	0.96 J
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	3.3	< 3.3 Y
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	70.0%
Tetrachlorometaxylene	69.5%

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

Sample ID: LDW-SSB9a-010
SAMPLE

Lab Sample ID: HV76C
 LIMS ID: 05-5225
 Matrix: Sediment
 Data Release Authorized:
 Reported: 03/25/05

QC Report No: HV76-Windward Environmental
 Project: LDW RI-Surface Sediment Chemistry
 04-08-06-24
 Date Sampled: 03/15/05
 Date Received: 03/15/05

Date Extracted: 03/21/05
 Date Analyzed: 03/24/05 19:40
 Instrument/Analyst: ECD3/YZ
 GPC Cleanup: No
 Sulfur Cleanup: Yes
 Florisil Cleanup: No

Sample Amount: 25.6 g-dry-wt
 Final Extract Volume: 5.0 mL
 Dilution Factor: 1.00
 Silica Gel: Yes
 pH: 7.0
 Percent Moisture: 32.8%

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	2.5	< 2.5 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	< 2.0 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	70.0%
Tetrachlorometaxylene	76.5%

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
TRIP 1	0.0	0.1	0.5	1.3	12.8	37.9	22.9	12.2	4.4	2.0	1.5	1.2	3.3
TRIP 2	0.1	0.0	0.6	1.2	13.2	38.2	21.1	12.9	4.5	2.1	1.6	1.1	3.4
TRIP 3	0.4	0.0	0.5	1.3	12.5	37.7	22.8	12.6	4.2	2.1	1.5	1.2	3.2
LDW-SS85-010	2.6	3.2	21.7	42.5	12.3	5.0	3.8	2.6	1.9	1.4	0.8	0.4	1.8
LDW-SS73-010	3.3	1.5	7.6	17.5	6.5	4.3	7.5	14.6	14.7	9.0	4.2	2.9	6.4
LDW-SS78-010	0.2	0.3	1.4	2.3	2.4	6.9	12.0	20.3	20.8	13.0	6.2	4.6	9.6
LDW-SS82-010	2.6	0.8	2.8	6.5	9.7	23.4	13.9	13.3	9.6	6.3	3.2	2.2	5.7
LDW-SS74-010	7.8	3.9	10.7	29.8	17.8	9.4	5.6	4.1	3.4	2.7	1.7	1.1	2.0
LDW-SS204-101	1.5	0.8	3.1	6.5	10.0	24.1	14.6	12.7	9.2	6.4	3.4	2.6	5.1
LDW-SS91-010	8.2	6.1	18.5	26.4	11.8	7.1	4.8	4.9	4.3	2.9	1.8	1.0	2.2
LDW-SS103-010	0.8	0.2	3.0	14.7	14.3	21.6	14.2	11.0	7.6	4.9	2.8	2.0	2.9
LDW-SS68-010	0.1	0.4	2.6	5.0	4.0	10.4	13.1	19.4	15.0	10.2	5.5	3.7	10.6
LDW-SS8-010	0.0	0.2	3.8	6.4	6.9	10.0	12.4	14.1	14.7	10.5	6.2	2.8	12.1

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.

HU85

Windward Environmental, Inc.
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	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-SS11-010A	0.2	0.7	8.2	30.0	25.2	4.4	3.2	5.5	6.9	5.3	3.4	2.4	4.6
LDW-SS11-010B	0.3	0.7	8.5	30.9	24.3	4.4	2.8	5.0	7.2	5.3	3.3	2.3	4.8
LDW-SS11-010C	0.4	0.9	8.1	30.0	25.2	4.3	3.0	5.8	6.8	5.0	3.3	2.2	4.9
LDW-SS81-010	1.6	0.9	1.5	2.5	3.8	9.7	12.1	16.7	16.7	11.7	7.5	4.4	10.8
LDW-SS65-010	3.2	1.4	5.0	27.6	17.7	5.8	5.1	8.1	8.6	5.8	3.6	2.6	5.4
LDW-SS41-010	14.2	2.8	4.3	11.5	9.4	7.6	5.5	12.3	11.0	7.4	4.8	3.0	6.3
LDW-SS30-010	2.1	0.8	3.4	4.2	3.3	3.4	9.2	19.1	19.4	11.1	7.9	5.4	10.7
LDW-SS21-010	1.5	1.1	6.1	15.6	15.0	15.2	8.4	9.0	8.4	6.3	4.5	2.9	5.9
LDW-SS19-010	21.6	1.5	3.0	8.5	6.6	7.1	4.3	11.7	11.7	8.2	5.2	3.6	7.1
LDW-SS205-010	1.8	2.6	4.9	8.9	7.8	9.3	7.6	13.3	13.9	9.7	7.3	4.0	8.9
LDW-SS16-010	0.9	0.6	3.1	6.7	5.5	8.1	10.5	17.0	16.2	10.5	6.1	4.7	9.9
LDW-SS105-010	6.3	2.1	4.5	16.6	19.4	21.4	9.5	5.9	4.3	3.0	2.0	1.4	3.4
LDW-SS106-010	5.8	1.3	1.4	13.9	32.5	25.5	8.2	3.0	2.1	1.8	1.3	0.9	2.3
LDW-SS122-010	12.3	3.1	4.6	9.5	11.8	13.1	10.9	12.5	7.0	4.7	2.9	1.8	5.6
LDW-SS131-010	0.0	0.3	1.7	3.4	14.5	20.0	13.1	16.4	11.8	6.9	3.0	2.0	6.9
LDW-SS206-010	0.0	0.1	1.7	3.1	14.1	20.1	15.8	15.6	11.5	6.3	2.9	1.9	6.8
LDW-SS140-010	1.7	2.1	14.6	43.4	20.4	6.6	1.8	2.8	2.1	1.4	0.8	0.4	1.9

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, Inc.
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	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-SS45-010-A	0.0	0.3	1.5	12.5	5.3	6.4	8.9	18.8	16.1	10.8	7.0	3.8	8.6
LDW-SS45-010-B	0.0	2.5	5.2	9.2	4.6	6.2	9.1	17.2	15.6	10.9	7.2	4.1	8.2
LDW-SS45-010-C	0.0	0.4	4.4	10.6	5.3	6.3	8.5	18.1	16.3	9.9	7.4	4.2	8.5
LDW-SS39-010	17.0	5.7	14.0	25.7	11.5	4.3	2.3	5.2	4.9	3.5	2.0	1.0	2.8
LDW-SS100-010	9.5	3.9	12.2	47.8	19.2	2.6	0.3	1.9	0.6	0.2	0.7	0.4	0.6
LDW-SSB2b-010	2.4	3.3	13.1	23.6	11.9	8.1	4.8	9.4	10.2	4.2	3.0	1.7	4.3

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.

HV38

Windward Environmental, Inc.
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	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-SS45-010-A	0.0	0.3	1.5	12.5	5.3	6.4	8.9	18.8	16.1	10.8	7.0	3.8	8.6
LDW-SS45-010-B	0.0	2.5	5.2	9.2	4.6	6.2	9.1	17.2	15.6	10.9	7.2	4.1	8.2
LDW-SS45-010-C	0.0	0.4	4.4	10.6	5.3	6.3	8.5	18.1	16.3	9.9	7.4	4.2	8.5
LDW-SS46-010	1.5	6.3	18.8	20.2	13.0	6.2	3.3	6.7	6.9	5.2	4.1	2.5	5.1
LDW-SS6-010	3.2	2.5	5.4	11.6	8.1	8.3	16.5	12.1	14.3	5.9	4.2	3.3	4.5
LDW-SS47-010	7.7	15.2	37.7	24.2	5.4	2.3	1.4	1.4	1.3	1.0	0.8	0.4	1.1
LDW-SS108-010	0.1	0.1	0.5	2.3	5.1	10.1	18.4	23.7	17.3	8.7	5.1	2.3	6.3
LDW-SS61-010	52.6	3.8	5.1	12.4	7.5	2.3	0.0	3.7	4.1	2.9	2.0	1.0	2.6
LDW-SS25-010	0.7	1.5	14.3	45.1	26.1	6.3	1.7	1.5	1.0	0.5	0.4	0.2	0.8
LDW-SS86-010	0.0	1.5	28.7	58.1	8.7	0.8	0.8	0.2	0.3	0.3	0.1	0.1	0.5

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.

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-SSB4a-010-A	0.2	0.5	2.3	7.4	19.0	28.2	13.0	7.2	5.7	5.5	3.5	2.1	5.4
LDW-SSB4a-010-B	1.9	0.6	2.7	8.9	23.0	21.2	9.7	8.0	7.1	5.2	3.5	2.6	5.5
LDW-SSB4a-010-C	0.2	0.7	2.5	8.2	20.9	25.3	11.8	8.0	6.4	5.1	3.3	2.3	5.4
LDW-SS90-010	25.6	5.1	14.8	27.9	11.9	4.7	2.4	1.6	1.6	1.5	1.1	0.6	1.2
LDW-SS24-010	6.8	3.8	9.9	20.3	17.0	17.4	5.2	5.4	3.7	2.6	1.4	1.6	4.9
LDW-SS9-010	2.2	4.9	19.1	36.6	16.4	4.4	3.8	3.1	2.4	2.4	1.7	1.2	1.8
LDW-SS77-010	1.8	2.2	11.8	46.5	17.2	3.0	1.5	3.2	4.9	3.3	1.6	0.7	2.4
LDW-SS59-010	39.6	1.7	1.9	5.6	9.2	10.0	5.7	7.0	6.4	4.7	2.6	2.0	3.7
LDW-SSB5b-010	3.6	1.8	11.6	38.2	22.9	6.7	2.9	3.1	2.8	2.1	1.3	1.1	2.0
LDW-SS53-010	0.0	0.4	1.8	2.2	1.8	5.1	11.4	20.9	20.5	11.9	7.5	5.0	11.5
LDW-SS34-010	1.3	3.8	39.8	42.6	5.5	0.9	0.7	1.2	1.3	0.9	0.6	0.4	1.1
LDW-SS29-010	0.0	0.4	1.3	5.2	3.8	6.3	18.5	19.2	15.9	10.7	5.5	3.4	9.9
LDW-SS107-010	0.6	0.7	2.7	6.6	13.0	29.9	12.6	9.9	7.9	5.6	3.2	1.9	5.2
LDW-SS145-010	3.4	10.6	58.3	26.6	1.0	0.0	NA	NA	NA	NA	NA	NA	NA

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.

HV58

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	8 to 9	9 to 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	0.2	0.5	2.3	7.4	19.0	28.2	13.0	7.2	5.7	5.5	3.5	2.1	5.4
TRIP-2	1.9	0.6	2.7	8.9	23.0	21.2	9.7	8.0	7.1	5.2	3.5	2.6	5.5
TRIP-3	0.2	0.7	2.5	8.2	20.9	25.3	11.8	8.0	6.4	5.1	3.3	2.3	5.4
LDW-SS71-010	0.4	0.8	5.5	28.2	22.3	17.9	8.3	4.5	3.7	2.5	1.8	1.3	3.0
LDW-SS2-010	4.7	3.4	5.0	21.3	18.4	4.9	2.8	6.2	9.2	7.1	5.2	3.9	7.8
LDW-SS158-010	4.4	2.7	7.3	14.7	10.5	13.4	13.4	11.6	7.9	4.9	2.8	1.7	4.5
LDW-SS159-010	0.3	0.9	4.5	15.1	24.3	16.6	9.7	9.6	6.7	4.8	2.7	1.7	3.3
LDW-SS157-010	3.8	3.8	9.8	29.0	19.3	8.3	5.7	5.0	4.3	3.6	2.5	1.5	3.4
LDW-SS69b-010	5.1	2.8	3.3	7.3	6.5	9.9	10.3	12.8	12.7	9.4	6.0	3.8	10.0
LDW-SS35-010	6.3	3.1	6.5	26.9	17.2	7.9	4.1	6.8	9.6	3.5	1.9	1.2	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.

HW06

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	0.3	0.5	0.9	2.8	6.7	15.5	14.4	19.4	15.3	9.4	3.3	2.4	9.0
TRIP 2	0.2	0.5	1.6	2.9	6.9	15.2	13.5	20.0	14.9	9.3	2.7	3.3	9.0
TRIP 3	0.4	0.5	1.0	2.8	7.0	15.2	17.3	17.1	14.7	9.5	2.8	3.0	8.7
LDW-SS98-010	0.1	0.2	0.4	1.9	12.8	24.2	21.5	13.6	9.2	4.8	3.2	2.0	6.1
LDW-SS141-010	0.1	0.1	0.8	2.4	9.0	23.3	15.9	16.2	11.3	7.3	4.1	2.3	7.1
LDW-SSB9a-010	0.8	8.5	27.1	14.0	13.3	10.5	3.9	7.2	5.0	3.0	1.9	1.0	3.8
LDW-SS155-010	0.1	0.3	0.9	8.7	25.5	20.9	12.0	11.4	7.2	4.8	2.5	1.3	4.4
LDW-SS154-010	0.0	0.1	0.6	4.7	23.2	29.0	11.8	8.9	6.1	4.4	3.4	1.6	6.2
LDW-SS153-010	0.1	0.3	3.8	11.5	19.6	23.8	10.9	9.4	6.0	4.4	2.6	1.8	5.8
LDW-SS144-010	1.3	0.9	2.8	21.6	39.4	17.6	4.6	3.4	2.1	1.7	0.8	0.9	2.8
LDW-SS156-010	0.0	0.2	28.4	63.9	6.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
LDW-SS152-010	1.7	15.7	53.2	27.8	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
LDW-SS151-101	15.4	31.5	47.7	3.7	0.8	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0

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.

HV76

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-SS93-010	0.3	0.5	0.9	2.8	6.7	15.5	14.4	19.4	15.3	9.4	3.3	2.4	9.0
LDW-SS93-010	0.2	0.5	1.6	2.9	6.9	15.2	13.5	20.0	14.9	9.3	2.7	3.3	9.0
LDW-SS93-010	0.4	0.5	1.0	2.8	7.0	15.2	17.3	17.1	14.7	9.5	2.8	3.0	8.7
LSW-SS124-010	15.3	6.3	9.7	24.2	22.4	11.0	3.3	1.8	1.4	1.2	0.5	0.7	2.4
LDW-SS135-010	1.5	1.9	13.0	15.4	4.6	8.1	10.5	12.4	10.7	7.5	3.7	2.6	8.1
LDW-SS136-010	0.4	0.6	5.3	13.1	9.4	16.4	15.3	14.5	9.1	6.4	2.0	2.2	5.3
LDW-SSB6a-010	0.7	0.9	12.1	42.8	17.5	8.2	3.2	3.8	3.5	2.3	1.3	1.0	2.6
LDW-SSC1-010	0.0	0.3	4.5	22.1	16.2	13.7	15.4	10.0	6.2	3.4	1.8	1.5	4.9
LDW-SSCR20B-010	0.0	0.0	0.1	0.4	1.7	18.4	30.2	28.2	8.5	2.6	1.7	1.6	6.7
LDW-SSCR23B	0.1	0.0	0.3	1.2	8.4	40.5	22.1	12.8	4.2	1.7	2.7	0.0	5.9
LDW-SSMSMP43B-010	0.0	0.1	1.0	18.7	59.5	14.2	0.6	0.7	0.6	0.2	0.9	0.6	2.9

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.

HV72

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
SS7	0.2	1.6	1.5	2.1	3.6	5.8	8.9	15.4	19.2	13.1	8.4	6.7	13.5
SS7	0.1	0.3	2.5	2.4	3.7	5.8	8.7	15.5	18.8	13.3	8.5	7.0	13.6
SS7	0.2	0.3	1.7	2.2	3.7	5.8	6.9	17.5	19.4	13.3	8.6	6.8	13.8
SS3	11.2	6.3	24.4	37.1	11.7	2.0	1.3	1.4	0.7	1.0	0.8	0.8	1.3
SS95	8.3	3.6	6.0	11.9	11.6	12.9	10.6	10.3	8.5	5.3	3.3	2.5	5.2
SS133	0.0	0.3	1.5	2.3	7.5	13.4	12.3	22.7	17.4	9.0	3.5	3.6	6.5
SS138	0.1	0.3	1.6	2.7	10.1	24.7	18.5	14.5	10.3	6.4	3.4	2.5	4.8
SS139	0.8	1.1	4.3	8.9	9.0	24.6	17.0	12.0	8.2	5.1	2.7	2.1	4.1
SS137	0.0	0.2	1.6	1.0	3.4	10.5	17.9	26.1	17.0	7.9	4.3	3.1	6.9
SS132	0.2	0.1	0.3	1.5	4.0	11.1	19.6	24.1	16.8	8.0	4.2	3.1	7.3
SS66	0.1	0.3	3.1	5.2	2.7	7.6	12.6	20.4	18.5	10.3	5.4	4.6	9.1
SS62	0.0	0.3	0.9	4.0	2.0	6.3	13.3	19.9	18.0	12.0	6.2	5.4	11.6
SS207	0.0	0.2	2.9	3.9	2.2	6.0	12.9	20.9	18.0	11.4	5.5	4.9	11.2
SS146	0.1	0.3	1.3	2.2	8.4	23.1	21.1	14.3	10.9	7.1	3.3	2.6	5.4
SS147	0.4	0.9	6.0	10.3	11.1	11.7	14.7	16.0	11.7	7.0	3.1	2.0	5.1
SS148	54.1	1.5	3.2	8.2	6.1	5.2	5.0	5.6	4.1	2.5	1.4	0.9	2.1
SS149	14.8	4.0	5.7	14.7	14.2	8.8	7.9	10.2	7.4	4.3	2.2	1.6	4.3
SS150	5.1	3.2	15.5	37.5	14.8	9.0	5.3	2.4	2.1	1.8	1.1	0.6	1.7

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-SS93-010	0.3	0.5	0.9	2.8	6.7	15.5	14.4	19.4	15.3	9.4	3.3	2.4	9.0
LDW-SS93-010	0.2	0.5	1.6	2.9	6.9	15.2	13.5	20.0	14.9	9.3	2.7	3.3	9.0
LDW-SS93-010	0.4	0.5	1.0	2.8	7.0	15.2	17.3	17.1	14.7	9.5	2.8	3.0	8.7
LSW-SS124-010	15.3	6.3	9.7	24.2	22.4	11.0	3.3	1.8	1.4	1.2	0.5	0.7	2.4
LDW-SS135-010	1.5	1.9	13.0	15.4	4.6	8.1	10.5	12.4	10.7	7.5	3.7	2.6	8.1
LDW-SS136-010	0.4	0.6	5.3	13.1	9.4	16.4	15.3	14.5	9.1	6.4	2.0	2.2	5.3
LDW-SSB6a-010	0.7	0.9	12.1	42.8	17.5	8.2	3.2	3.8	3.5	2.3	1.3	1.0	2.6
LDW-SSC1-010	0.0	0.3	4.5	22.1	16.2	13.7	15.4	10.0	6.2	3.4	1.8	1.5	4.9
LDW-SSCR20B-010	0.0	0.0	0.1	0.4	1.7	18.4	30.2	28.2	8.5	2.6	1.7	1.6	6.7
LDW-SSCR23B	0.1	0.0	0.3	1.2	8.4	40.5	22.1	12.8	4.2	1.7	2.7	0.0	5.9
LDW-SSMSMP43B-010	0.0	0.1	1.0	18.7	59.5	14.2	0.6	0.7	0.6	0.2	0.9	0.6	2.9

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.

HV72

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-SSB7a-010	7.7	1.6	4.6	18.1	15.2	12.2	11.8	9.8	7.1	4.1	2.1	1.8	3.7
LDW-SSB7a-010	6.0	1.9	4.9	18.6	16.5	12.8	10.7	10.1	7.1	3.9	2.0	1.8	3.7
LDW-SSB7a-010	4.3	1.7	5.3	19.2	16.1	13.1	11.2	10.0	7.4	4.0	2.0	1.8	3.8

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.

HW16

Conventionals

SAMPLE RESULTS-CONVENTIONALS
HW06-Windward Environmental



Matrix: Sediment
Data Release Authorized: *qaf*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Client ID: LDW-SS2-010
ARI ID: 05-5376 HW06B

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	62.80
Preserved Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	60.30
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.14	10.1
Sulfide	03/21/05 032105#1	EPA 376.2	mg/kg	4.9	13
Total Organic Carbon	03/21/05 032105#1	Plumb, 1981	Percent	0.020	1.98

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *GAJ*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS3-10
ARI ID: 05-4884 HV37B

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	77.80
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	77.50
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.12	2.82
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	2.4	< 2.4 U
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	0.723

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV42-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

AKP

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Client ID: LDW-SS6-010
ARI ID: 05-4927 HV42C

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#3	EPA 160.3	Percent	0.01	61.60
Preserved Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	66.40
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.15	5.12
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	33	550
Total Organic Carbon	03/23/05 032305#1	Plumb, 1981	Percent	0.020	1.05

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *MS*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS7-10
ARI ID: 05-4883 HV37A

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	46.90
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	43.80
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.20	19.4
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	37	220
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	2.72

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HV37A Client ID: LDW-SS7-10					
Total Solids	03/14/05	Percent	46.90	46.70 46.90	0.2%
Preserved Total Solids	03/14/05	Percent	43.80	44.00 44.00	0.3%
N-Ammonia	03/15/05	mg-N/kg	19.4	19.3	0.5%
Total Organic Carbon	03/20/05	Percent	2.72	2.71 2.71	0.2%
ARI ID: HV37K Client ID: LDW-SS207-10					
Sulfide	03/15/05	mg/kg	36	54 65	28.3%

SAMPLE RESULTS-CONVENTIONALS
HU85-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AA*
Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Client ID: LDW-SS8-010
ARI ID: 05-4542 HU85K

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/08/05 030805#2	EPA 160.3	Percent	0.01	49.10
Preserved Total Solids	03/08/05 030805#1	EPA 160.3	Percent	0.01	46.60
N-Ammonia	03/12/05 031205#1	EPA 350.1M	mg-N/kg	0.20	6.00
Sulfide	03/09/05 030905#1	EPA 376.2	mg/kg	12	320
Total Organic Carbon	03/14/05 031405#1	Plumb, 1981	Percent	0.020	2.25

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05 *AMP*

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SS9-010
ARI ID: 05-5109 HV58D

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	71.80
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	53.60
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.12	1.12
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	6.3	110
Total Organic Carbon	03/23/05 032305#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
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

MR

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS11-010
ARI ID: 05-4651 HV00H

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	67.00
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	72.90
N-Ammonia	03/12/05 031205#2	EPA 350.1M	mg-N/kg	0.15	3.78
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	4.3	< 4.3 U
Total Organic Carbon	03/14/05 031405#2	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
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *gwp*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS16-010
ARI ID: 05-4652 HV00I

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	43.90
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	40.50
N-Ammonia	03/11/05 031105#3	EPA 350.1M	mg-N/kg	0.22	13.2
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	6.6	< 6.6 U
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	2.11

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *QA*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS19-010
ARI ID: 05-4649 HV00F

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	51.70
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	46.60
N-Ammonia	03/12/05 031205#2	EPA 350.1M	mg-N/kg	0.16	5.71
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	6.6	< 6.6 U
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	2.03

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AMP*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS205-010
ARI ID: 05-4650 HV00G

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	51.70
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	45.20
N-Ammonia	03/12/05 031205#2	EPA 350.1M	mg-N/kg	0.19	4.34
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	6.6	64
Total Organic Carbon	03/14/05 031405#2	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
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *at*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS21-010
ARI ID: 05-4648 HV00E

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	60.30
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	51.90
N-Ammonia	03/12/05 031205#2	EPA 350.1M	mg-N/kg	0.14	4.06
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	3.9	< 3.9 U
Total Organic Carbon	03/14/05 031405#2	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
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ahp*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SS24-010
ARI ID: 05-5108 HV58C

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	50.30
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	49.40
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.20	3.37
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	9.8	< 9.8 U
Total Organic Carbon	03/20/05 032005#1	Plumb,1981	Percent	0.020	5.99

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV42-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05 *QAR*

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Client ID: LDW-SS25-010
ARI ID: 05-4932 HV42H

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#3	EPA 160.3	Percent	0.01	75.10
Preserved Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	74.20
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.13	1.73
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	5.5	< 5.5 U
Total Organic Carbon	03/21/05 032105#1	Plumb, 1981	Percent	0.020	0.507

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SS29-010
ARI ID: 05-5116 HV58K

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	45.40
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	40.90
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.20	5.08
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	59	380
Total Organic Carbon	03/20/05 032005#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
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *att*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS30-010
ARI ID: 05-4647 HV00D

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	38.30
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	32.50
N-Ammonia	03/11/05 031105#3	EPA 350.1M	mg-N/kg	0.26	16.1
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	26	270
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	3.50

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SS34-010
ARI ID: 05-5114 HV58I

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	74.00
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	74.70
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.12	8.13
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	2.5	< 2.5 U
Total Organic Carbon	03/22/05 032205#1	Plumb, 1981	Percent	0.020	1.52

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HW06-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

awp

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/08/05

Client ID: LDW-SS35-010
ARI ID: 05-5381 HW06G

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	68.10
Preserved Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	58.40
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.14	7.60
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	95	510
Total Organic Carbon	03/21/05 032105#1	Plumb, 1981	Percent	0.020	2.01

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV38-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/11/05
Date Received: 03/11/05

Client ID: LDW-SS39-010
ARI ID: 05-4922 HV38A

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	57.90
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	61.00
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.16	5.20
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	35	490
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	3.93

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *and*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS41-010
ARI ID: 05-4646 HV00C

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	54.70
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	44.60
N-Ammonia	03/12/05 031205#2	EPA 350.1M	mg-N/kg	0.17	5.68
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	10	110
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	2.35

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV42-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Client ID: LDW-SS45-010
ARI ID: 05-4925 HV42A

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#3	EPA 160.3	Percent	0.01	45.40
Preserved Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	43.20
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.21	13.2
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	11	< 11 U
Total Organic Carbon	03/21/05 032105#1	Plumb, 1981	Percent	0.020	2.81

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
 HV42-Windward Environmental



Matrix: Sediment
 Data Release Authorized: *and*
 Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
 Event: 04-08-06-24
 Date Sampled: 03/10/05
 Date Received: 03/11/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HV42A Client ID: LDW-SS45-010					
Total Solids	03/14/05	Percent	45.40	45.50 45.50	0.1%
Preserved Total Solids	03/14/05	Percent	43.20	43.30 43.50	0.4%
N-Ammonia	03/15/05	mg-N/kg	13.2	12.9	2.3%
Total Organic Carbon	03/21/05	Percent	2.81	2.94 2.68	4.6%
ARI ID: HV42I Client ID: LDW-SS86-010					
Sulfide	03/16/05	mg/kg	< 3.0	10 < 5.4	NA

SAMPLE RESULTS-CONVENTIONALS
HV42-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

QAR

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Client ID: LDW-SS46-010
ARI ID: 05-4926 HV42B

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#3	EPA 160.3	Percent	0.01	63.30
Preserved Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	69.50
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.15	4.77
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	13	170
Total Organic Carbon	03/21/05 032105#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
HV42-Windward Environmental



Matrix: Sediment
Data Release Authorized: *as-p*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Client ID: LDW-SS47-010
ARI ID: 05-4928 HV42D

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#3	EPA 160.3	Percent	0.01	75.80
Preserved Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	71.70
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.11	2.20
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	5.2	< 5.2 U
Total Organic Carbon	03/21/05 032105#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-CONVENTIONAL
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AAA*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SS53-010
ARI ID: 05-5113 HV58H

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	44.70
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	42.80
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.22	5.99
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	7.0	28
Total Organic Carbon	03/22/05 032205#1	Plumb, 1981	Percent	0.020	2.64

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AK*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SS59-010
ARI ID: 05-5111 HV58F

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	52.50
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	49.00
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.18	8.53
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	31	570
Total Organic Carbon	03/22/05 032205#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
HV42-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Client ID: LDW-SS61-010
ARI ID: 05-4931 HV42G

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#3	EPA 160.3	Percent	0.01	69.70
Preserved Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	57.90
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.14	3.48
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	17	220
Total Organic Carbon	03/21/05 032105#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
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS62-10
ARI ID: 05-4892 HV37J

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	42.40
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	39.90
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.23	22.1
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	6.3	35
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	2.92

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS207-10
ARI ID: 05-4893 HV37K

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	42.70
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	39.40
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.23	21.8
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	6.7	36
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	2.84

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AD*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS65-010
ARI ID: 05-4645 HV00B

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	57.70
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	65.60
N-Ammonia	03/11/05 031105#3	EPA 350.1M	mg-N/kg	0.17	8.38
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	6.6	10
Total Organic Carbon	03/14/05 031405#2	Plumb,1981	Percent	0.020	2.44

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ADR*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS66-10
ARI ID: 05-4891 HV37I

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	44.90
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	39.40
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.40	26.0
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	8.0	51
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	2.63

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HU85-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AD*
Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Client ID: LDW-SS68-010
ARI ID: 05-4541 HU85J

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/08/05 030805#2	EPA 160.3	Percent	0.01	47.10
Preserved Total Solids	03/08/05 030805#1	EPA 160.3	Percent	0.01	42.90
N-Ammonia	03/11/05 031105#2	EPA 350.1M	mg-N/kg	0.21	9.78
Sulfide	03/09/05 030905#1	EPA 376.2	mg/kg	6.4	80
Total Organic Carbon	03/14/05 031405#1	Plumb,1981	Percent	0.020	2.58

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HW06-Windward Environmental



Matrix: Sediment
Data Release Authorized: *at*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Client ID: LDW-SS69b-010
ARI ID: 05-5377 HW06C

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/21/05 032105#1	EPA 160.3	Percent	0.01	48.10
Preserved Total Solids	03/21/05 032105#1	EPA 160.3	Percent	0.01	46.10
N-Ammonia	03/22/05 032205#3	EPA 350.1M	mg-N/kg	0.20	15.8
Sulfide	03/21/05 032105#1	EPA 376.2	mg/kg	18	290
Total Organic Carbon	03/22/05 032205#1	Plumb, 1981	Percent	0.020	2.62

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HW06-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/16/05

Client ID: LDW-SS71-010
ARI ID: 05-5375 HW06A

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	55.30
Preserved Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	73.10
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.16	6.27
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	46	< 46 U
Total Organic Carbon	03/21/05 032105#1	Plumb, 1981	Percent	0.020	1.94

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
 HW06-Windward Environmental



Matrix: Sediment
 Data Release Authorized:
 Reported: 03/29/05 *ADR*

Project: LDW RI-Surface Sediment Chem
 Event: 04-08-06-24
 Date Sampled: 03/14/05
 Date Received: 03/16/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HW06A Client ID: LDW-SS71-010					
Total Solids	03/18/05	Percent	55.30	52.30 58.80	5.9%
Preserved Total Solids	03/18/05	Percent	73.10	76.60 68.40	5.7%
N-Ammonia	03/21/05	mg-N/kg	6.27	6.43	2.5%
Total Organic Carbon	03/21/05	Percent	1.94	1.84 2.36	13.5%
ARI ID: HW06C Client ID: LDW-SS69b-010					
Total Solids	03/21/05	Percent	48.10	48.70 48.80	0.8%
Preserved Total Solids	03/21/05	Percent	46.10	45.00 45.80	1.2%
N-Ammonia	03/22/05	mg-N/kg	15.8	16.1	1.9%
Total Organic Carbon	03/22/05	Percent	2.62	2.81 2.38	8.3%
ARI ID: HW06F Client ID: LDW-SS157-010					
Sulfide	03/21/05	mg/kg	< 7.4	< 5.9 < 8.6	NA

SAMPLE RESULTS-CONVENTIONALS
HU85-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ARP*
Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Client ID: LDW-SS73-010
ARI ID: 05-4533 HU85B

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/08/05 030805#2	EPA 160.3	Percent	0.01	51.00
Preserved Total Solids	03/08/05 030805#1	EPA 160.3	Percent	0.01	42.00
N-Ammonia	03/12/05 031205#1	EPA 350.1M	mg-N/kg	0.19	6.85
Sulfide	03/09/05 030905#1	EPA 376.2	mg/kg	6.8	180
Total Organic Carbon	03/14/05 031405#1	Plumb, 1981	Percent	0.020	2.43

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS--CONVENTIONALS
HU85-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ant*
Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Client ID: LDW-SS74-010
ARI ID: 05-4537 HU85F

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/08/05 030805#2	EPA 160.3	Percent	0.01	68.00
Preserved Total Solids	03/08/05 030805#1	EPA 160.3	Percent	0.01	68.40
N-Ammonia	03/12/05 031205#1	EPA 350.1M	mg-N/kg	0.14	5.12
Sulfide	03/09/05 030905#1	EPA 376.2	mg/kg	4.1	< 4.1 U
Total Organic Carbon	03/14/05 031405#1	Plumb, 1981	Percent	0.020	1.46

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

049

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SS77-010
ARI ID: 05-5110 HV58E

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	64.50
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	52.30
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.13	11.9
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	190	2,500
Total Organic Carbon	03/23/05 032305#1	Plumb, 1981	Percent	0.020	2.08

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HU85-Windward Environmental



Matrix: Sediment
Data Release Authorized: *QAD*
Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Client ID: LDW-SS78-010
ARI ID: 05-4534 HU85C

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/08/05 030805#2	EPA 160.3	Percent	0.01	44.30
Preserved Total Solids	03/08/05 030805#1	EPA 160.3	Percent	0.01	41.00
N-Ammonia	03/11/05 031105#2	EPA 350.1M	mg-N/kg	0.22	20.3
Sulfide	03/09/05 030905#1	EPA 376.2	mg/kg	410	7,700
Total Organic Carbon	03/14/05 031405#1	Plumb,1981	Percent	0.020	2.55

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS81-010
ARI ID: 05-4644 HV00A

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	50.10
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	48.70
N-Ammonia	03/11/05 031105#3	EPA 350.1M	mg-N/kg	0.19	14.4
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	13	40
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	2.47

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
 HV00-Windward Environmental



Matrix: Sediment
 Data Release Authorized: *gsp*
 Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
 Event: 04-08-06-24
 Date Sampled: 03/08/05
 Date Received: 03/09/05

Analyte	Date	Units	Sample	Replicate (s)	RPD/RSD
ARI ID: HV00A Client ID: LDW-SS81-010					
N-Ammonia	03/11/05	mg-N/kg	14.4	14.2	1.4%
ARI ID: HV00C Client ID: LDW-SS41-010					
N-Ammonia	03/12/05	mg-N/kg	5.68	5.62	1.1%
ARI ID: HV00F Client ID: LDW-SS19-010					
Total Solids	03/10/05	Percent	51.70	51.40 52.00	0.6%
Preserved Total Solids	03/10/05	Percent	46.60	46.60 47.60	1.2%
Total Organic Carbon	03/14/05	Percent	2.03	1.32 2.46	29.7%
ARI ID: HV00L Client ID: LDW-SS122-010					
Sulfide	03/14/05	mg/kg	< 6.6	< 5.9 < 7.0	NA

SAMPLE RESULTS-CONVENTIONALS
HU85-Windward Environmental



Matrix: Sediment
Data Release Authorized: *and*
Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Client ID: LDW-SS82-010
ARI ID: 05-4535 HU85D

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/08/05 030805#2	EPA 160.3	Percent	0.01	51.40
Preserved Total Solids	03/08/05 030805#1	EPA 160.3	Percent	0.01	40.60
N-Ammonia	03/11/05 031105#2	EPA 350.1M	mg-N/kg	0.19	9.44
Sulfide	03/09/05 030905#1	EPA 376.2	mg/kg	8.1	< 8.1 U
Total Organic Carbon	03/14/05 031405#1	Plumb,1981	Percent	0.020	2.09

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HU85-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AK*
Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Client ID: LDW-SS204-010
ARI ID: 05-4538 HU85G

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/08/05 030805#2	EPA 160.3	Percent	0.01	51.60
Preserved Total Solids	03/08/05 030805#1	EPA 160.3	Percent	0.01	41.10
N-Ammonia	03/11/05 031105#2	EPA 350.1M	mg-N/kg	0.18	9.27
Sulfide	03/09/05 030905#1	EPA 376.2	mg/kg	7.3	11
Total Organic Carbon	03/14/05 031405#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
HU85-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AD*
Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Client ID: LDW-SS85-010
ARI ID: 05-4532 HU85A

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/08/05 030805#2	EPA 160.3	Percent	0.01	66.00
Preserved Total Solids	03/08/05 030805#1	EPA 160.3	Percent	0.01	46.20
N-Ammonia	03/11/05 031105#2	EPA 350.1M	mg-N/kg	0.13	6.29
Sulfide	03/09/05 030905#1	EPA 376.2	mg/kg	5.6	< 5.6 U
Total Organic Carbon	03/14/05 031405#1	Plumb, 1981	Percent	0.020	1.80

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
 HU85-Windward Environmental



Matrix: Sediment
 Data Release Authorized: *AR*
 Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
 Event: 04-08-06-24
 Date Sampled: 03/07/05
 Date Received: 03/07/05

Analyte	Date	Units	Sample	Replicate (s)	RPD/RSD
ARI ID: HU85A Client ID: LDW-SS85-010					
Total Solids	03/08/05	Percent	66.00	64.70 64.90	1.1%
Preserved Total Solids	03/08/05	Percent	46.20	46.10 46.00	0.2%
N-Ammonia	03/11/05	mg-N/kg	6.29	6.25	0.6%
Total Organic Carbon	03/14/05	Percent	1.80	2.03 1.98	6.2%
ARI ID: HU85B Client ID: LDW-SS73-010					
N-Ammonia	03/12/05	mg-N/kg	6.85	6.42	6.5%
ARI ID: HU85K Client ID: LDW-SS8-010					
Sulfide	03/09/05	mg/kg	320	280 280	7.9%

SAMPLE RESULTS-CONVENTIONALS
HV42-Windward Environmental



Matrix: Sediment
Data Release Authorized: *amp*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Client ID: LDW-SS86-010
ARI ID: 05-4933 HV42I

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#3	EPA 160.3	Percent	0.01	79.00
Preserved Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	77.60
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.12	< 0.12 U
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	3.0	< 3.0 U
Total Organic Carbon	03/21/05 032105#1	Plumb, 1981	Percent	0.020	0.192

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AD*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SS90-010
ARI ID: 05-5106 HV58A

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	67.50
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	57.10
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.12	7.12
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	8.4	< 8.4 U
Total Organic Carbon	03/20/05 032005#1	Plumb,1981	Percent	0.020	1.59

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HU85-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Client ID: LDW-SS91-010
ARI ID: 05-4539 HU85H

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/08/05 030805#2	EPA 160.3	Percent	0.01	63.20
Preserved Total Solids	03/08/05 030805#1	EPA 160.3	Percent	0.01	57.90
N-Ammonia	03/12/05 031205#1	EPA 350.1M	mg-N/kg	0.16	3.76
Sulfide	03/09/05 030905#1	EPA 376.2	mg/kg	4.9	< 4.9 U
Total Organic Carbon	03/14/05 031405#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
HV72-Windward Environmental



Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/28/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Client ID: LDW-SS93-010
ARI ID: 05-5210 HV72A

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	47.00
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	41.40
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.18	11.1
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	290	1,300
Total Organic Carbon	03/19/05 031905#1	Plumb,1981	Percent	0.020	2.23

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HV72-Windward Environmental



Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/28/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HV72A Client ID: LDW-SS93-010					
Preserved Total Solids	03/16/05	Percent	41.40	41.00 40.90	0.6%
N-Ammonia	03/22/05	mg-N/kg	11.1	11.2	0.9%
ARI ID: HV72F Client ID: LDW-SSC1-010					
Sulfide	03/18/05	mg/kg	< 5.1	< 3.6	NA

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AM*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS95-10
ARI ID: 05-4885 HV37C

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	57.40
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	49.70
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.17	14.8
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	6.1	63
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	2.65

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized: *gH*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Client ID: LDW-SS98-010
ARI ID: 05-5223 HV76A

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	53.60
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	49.00
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.18	7.26
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	8.6	60
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	1.18

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized: *per*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HV76A Client ID: LDW-SS98-010					
Total Solids	03/16/05	Percent	53.60	53.70 53.60	0.1%
Total Organic Carbon	03/14/05	Percent	1.18	1.66 1.41	16.9%
ARI ID: HV76I Client ID: LDW-SS151-010					
Sulfide	03/19/05	mg/kg	< 3.4	< 3.7	NA

SAMPLE RESULTS-CONVENTIONALS
HV38-Windward Environmental



Matrix: Sediment
Data Release Authorized: *QAT*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/11/05
Date Received: 03/11/05

Client ID: LDW-SS100-010
ARI ID: 05-4923 HV38B

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	72.30
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	72.80
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.13	3.35
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	6.2	6.7
Total Organic Carbon	03/22/05 032205#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
HU85-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/16/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/07/05
Date Received: 03/07/05

Client ID: LDW-SS103-010
ARI ID: 05-4540 HU85I

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/08/05 030805#2	EPA 160.3	Percent	0.01	56.20
Preserved Total Solids	03/08/05 030805#1	EPA 160.3	Percent	0.01	48.20
N-Ammonia	03/12/05 031205#1	EPA 350.1M	mg-N/kg	0.17	5.04
Sulfide	03/09/05 030905#1	EPA 376.2	mg/kg	5.2	< 5.2 U
Total Organic Carbon	03/14/05 031405#1	Plumb,1981	Percent	0.020	2.52

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *DR*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS105-010
ARI ID: 05-4653 HV00J

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	64.50
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	59.50
N-Ammonia	03/12/05 031205#2	EPA 350.1M	mg-N/kg	0.14	5.20
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	3.8	< 3.8 U
Total Organic Carbon	03/14/05 031405#2	Plumb,1981	Percent	0.020	1.26

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS--CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *gaf*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS106-010
ARI ID: 05-4654 HV00K

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	68.00
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	67.30
N-Ammonia	03/12/05 031205#2	EPA 350.1M	mg-N/kg	0.13	2.05
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	4.2	5.3
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	0.945

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SS107-010
ARI ID: 05-5117 HV58L

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	53.10
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	48.10
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.16	8.08
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	7.5	12
Total Organic Carbon	03/22/05 032205#1	Plumb, 1981	Percent	0.020	1.70

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV42-Windward Environmental



Matrix: Sediment
Data Release Authorized: *DR*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/10/05
Date Received: 03/11/05

Client ID: LDW-SS108-010
ARI ID: 05-4929 HV42E

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#3	EPA 160.3	Percent	0.01	40.30
Preserved Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	34.80
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.21	8.88
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	12	54
Total Organic Carbon	03/21/05 032105#1	Plumb, 1981	Percent	0.020	2.76

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS122-010
ARI ID: 05-4655 HV00L

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	63.70
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	62.30
N-Ammonia	03/12/05 031205#2	EPA 350.1M	mg-N/kg	0.15	5.30
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	6.6	< 6.6 U
Total Organic Carbon	03/14/05 031405#2	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
HV72-Windward Environmental



Matrix: Sediment
Data Release Authorized
Reported: 03/28/05

A handwritten signature in black ink, appearing to be 'M. J.', written over the 'Data Release Authorized' text.

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Client ID: LDW-SS124-010
ARI ID: 05-5211 HV72B

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	70.40
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	48.10
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.14	2.69
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	9.4	< 9.4 U
Total Organic Carbon	03/19/05 031905#1	Plumb, 1981	Percent	0.020	0.964

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *DR*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS131-010
ARI ID: 05-4656 HV00M

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	45.80
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	41.50
N-Ammonia	03/11/05 031105#3	EPA 350.1M	mg-N/kg	0.21	12.3
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	9.9	100
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	3.18

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

GR

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS206-010
ARI ID: 05-4657 HV00N

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	45.60
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	43.00
N-Ammonia	03/11/05 031105#3	EPA 350.1M	mg-N/kg	0.21	11.8
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	5.6	28
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	2.78

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS132-10
ARI ID: 05-4890 HV37H

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	38.30
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	34.60
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.26	21.0
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	63	320
Total Organic Carbon	03/20/05 032005#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
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *DA*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS133-10
ARI ID: 05-4886 HV37D


Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	42.40
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	36.10
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.43	28.7
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	7.9	12
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	2.59

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV72-Windward Environmental



Matrix: Sediment
Data Release Authorized: 
Reported: 03/28/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Client ID: LDW-SS135-010
ARI ID: 05-5212 HV72C

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	59.30
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	56.60
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.16	4.43
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	6.4	12
Total Organic Carbon	03/19/05 031905#1	Plumb, 1981	Percent	0.020	2.28

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV72-Windward Environmental



Matrix: Sediment
Data Release Authorized: *[Signature]*
Reported: 03/28/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Client ID: LDW-SS136-010
ARI ID: 05-5213 HV72D

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	69.70
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	55.00
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.13	10.5
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	8.1	< 8.1 U
Total Organic Carbon	03/19/05 031905#1	Plumb,1981	Percent	0.020	1.56

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *atp*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS137-10
ARI ID: 05-4889 HV37G

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	38.70
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	33.40
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.23	13.8
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	110	400
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	2.96

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *944*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS138-10
ARI ID: 05-4887 HV37E

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	51.50
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	39.70
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.17	8.16
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	10	< 10 U
Total Organic Carbon	03/20/05 032005#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
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/23/05 *aw*

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS139-10
ARI ID: 05-4888 HV37F

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	54.90
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	44.90
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.16	7.17
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	6.0	< 6.0 U
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	1.67

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV00-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/25/05

Project: LDW.RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/08/05
Date Received: 03/09/05

Client ID: LDW-SS140-010
ARI ID: 05-4658 HV000

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	70.80
Preserved Total Solids	03/10/05 031005#1	EPA 160.3	Percent	0.01	47.60
N-Ammonia	03/12/05 031205#2	EPA 350.1M	mg-N/kg	0.12	2.89
Sulfide	03/14/05 031405#1	EPA 376.2	mg/kg	8.3	58
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	1.52

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized: *qst*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Client ID: LDW-SS141-010
ARI ID: 05-5224 HV76B

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	47.40
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	39.30
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.21	9.90
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	11	< 11 U
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	2.82

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

o-p

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Client ID: LDW-SS144-010
ARI ID: 05-5232 HV76J

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	69.60
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	66.00
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.14	5.37
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	3.6	< 3.6 U
Total Organic Carbon	03/19/05 031905#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
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized: *att*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SS145-010
ARI ID: 05-5118 HV58M

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	94.00
Preserved Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	77.30
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.10	0.18
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	5.1	< 5.1 U
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	0.189

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *atf*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS146-10
ARI ID: 05-4894 HV37L

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	47.00
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	39.60
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.20	15.9
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	6.6	< 6.6 U
Total Organic Carbon	03/20/05 032005#1	Plumb,1981	Percent	0.020	2.40

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ant*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS147-10
ARI ID: 05-4895 HV37M

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	51.00
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	38.90
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.19	5.89
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	12	< 12 U
Total Organic Carbon	03/20/05 032005#1	Plumb,1981	Percent	0.020	2.12

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *atf*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS148-10
ARI ID: 05-4896 HV37N

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	47.90
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	33.20
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.18	5.47
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	9.6	< 9.6 U
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	2.55

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/23/05

atp

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS149-10
ARI ID: 05-4897 HV370

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	58.80
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	36.40
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.15	6.37
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	7.2	49
Total Organic Carbon	03/20/05 032005#1	Plumb,1981	Percent	0.020	2.08

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV37-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/23/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/09/05
Date Received: 03/10/05

Client ID: LDW-SS150-10
ARI ID: 05-4898 HV37P

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	66.00
Preserved Total Solids	03/14/05 031405#1	EPA 160.3	Percent	0.01	64.20
N-Ammonia	03/15/05 031505#1	EPA 350.1M	mg-N/kg	0.14	0.73
Sulfide	03/15/05 031505#1	EPA 376.2	mg/kg	3.7	< 3.7 U
Total Organic Carbon	03/20/05 032005#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
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

049

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Client ID: LDW-SS151-010
ARI ID: 05-5231 HV76I

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	88.00
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	92.00
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.10	< 0.10 U
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	3.4	< 3.4 U
Total Organic Carbon	03/19/05 031905#1	Plumb, 1981	Percent	0.020	0.516

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ADP*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Client ID: LDW-SS152-010
ARI ID: 05-5230 HV76H

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	85.40
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	89.60
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.10	< 0.10 U
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	2.6	< 2.6 U
Total Organic Carbon	03/19/05 031905#1	Plumb, 1981	Percent	0.020	0.236

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Client ID: LDW-SS153-010
ARI ID: 05-5229 HV76G

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	58.30
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	52.80
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.15	6.40
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	5.1	< 5.1 U
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	2.01

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized: *RAF*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Client ID: LDW-SS154-010
ARI ID: 05-5228 HV76F

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	58.90
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	48.30
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.16	6.36
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	9.2	< 9.2 U
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	2.08

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/25/05

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Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Client ID: LDW-SS155-010
ARI ID: 05-5227 HV76E

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	71.40
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	63.90
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.13	6.75
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	4.2	< 4.2 U
Total Organic Carbon	03/14/05 031405#2	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
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized: *af*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Client ID: LDW-SS156-010
ARI ID: 05-5226 HV76D

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	82.30
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	78.10
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.11	< 0.11 U
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	5.5	< 5.5 U
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	0.194

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HW06-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Client ID: LDW-SS157-010
ARI ID: 05-5380 HW06F

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	55.20
Preserved Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	54.60
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.18	4.13
Sulfide	03/21/05 032105#1	EPA 376.2	mg/kg	7.4	< 7.4 U
Total Organic Carbon	03/21/05 032105#1	Plumb, 1981	Percent	0.020	3.10

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HW06-Windward Environmental



Matrix: Sediment
Data Release Authorized: *RL*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Client ID: LDW-SS158-010
ARI ID: 05-5378 HW06D

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	54.50
Preserved Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	61.60
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.18	4.32
Sulfide	03/21/05 032105#1	EPA 376.2	mg/kg	4.9	< 4.9 U
Total Organic Carbon	03/21/05 032105#1	Plumb, 1981	Percent	0.020	1.96

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HW06-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/16/05
Date Received: 03/16/05

Client ID: LDW-SS159-010
ARI ID: 05-5379 HW06E

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	42.70
Preserved Total Solids	03/18/05 031805#1	EPA 160.3	Percent	0.01	61.60
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.21	7.86
Sulfide	03/21/05 032105#1	EPA 376.2	mg/kg	2.7	5.1
Total Organic Carbon	03/21/05 032105#1	Plumb, 1981	Percent	0.020	2.78

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV38-Windward Environmental



Matrix: Sediment
Data Release Authorized: *atp*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/11/05
Date Received: 03/11/05

Client ID: LDW-SSB2b-010
ARI ID: 05-4924 HV38C

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/14/05 031405#3	EPA 160.3	Percent	0.01	68.00
Preserved Total Solids	03/14/05 031405#2	EPA 160.3	Percent	0.01	73.00
N-Ammonia	03/15/05 031505#2	EPA 350.1M	mg-N/kg	0.12	3.76
Sulfide	03/16/05 031605#1	EPA 376.2	mg/kg	26	80
Total Organic Carbon	03/20/05 032005#1	Plumb, 1981	Percent	0.020	1.70

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SSB4a-010
ARI ID: 05-5115 HV58J

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	57.50
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	49.40
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.17	3.94
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	40	360
Total Organic Carbon	03/20/05 032005#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
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Client ID: LDW-SSB5b-010
ARI ID: 05-5112 HV58G

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	70.10
Preserved Total Solids	03/15/05 031505#1	EPA 160.3	Percent	0.01	70.00
N-Ammonia	03/21/05 032105#1	EPA 350.1M	mg-N/kg	0.12	3.91
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	3.6	32
Total Organic Carbon	03/20/05 032005#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
HV72-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AL*
Reported: 03/28/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Client ID: LDW-SSB6a-010
ARI ID: 05-5214 HV72E

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	71.00
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	67.60
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.12	3.66
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	6.0	110
Total Organic Carbon	03/19/05 031905#1	Plumb, 1981	Percent	0.020	1.26

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HW16-Windward Environmental



Matrix: Sediment
Data Release Authorized: *MR*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/18/05
Date Received: 03/18/05

Client ID: LDW-SSB7a-010
ARI ID: 05-5438 HW16A

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/21/05 032105#1	EPA 160.3	Percent	0.01	44.70
Preserved Total Solids	03/21/05 032105#1	EPA 160.3	Percent	0.01	41.50
N-Ammonia	03/22/05 032205#2	EPA 350.1M	mg-N/kg	0.20	4.98
Sulfide	03/21/05 032105#1	EPA 376.2	mg/kg	8.4	160
Total Organic Carbon	03/22/05 032205#1	Plumb, 1981	Percent	0.020	2.07

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

REPLICATE RESULTS-CONVENTIONALS
HW16-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AR*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/18/05
Date Received: 03/18/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HW16A Client ID: LDW-SSB7a-010					
Total Solids	03/21/05	Percent	44.70	45.50 46.10	1.5%
Preserved Total Solids	03/21/05	Percent	41.50	43.70 41.20	3.2%
N-Ammonia	03/22/05	mg-N/kg	4.98	5.14	3.2%
Total Organic Carbon	03/22/05	Percent	2.07	2.19 2.24	4.0%

REPLICATE RESULTS-CONVENTIONALS
HV58-Windward Environmental



Matrix: Sediment
Data Release Authorized: *AK*
Reported: 03/29/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/14/05
Date Received: 03/14/05

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: HV58B Client ID: LDW-SSB7a-010					
Total Solids	03/15/05	Percent	59.60	59.40 59.50	0.2%
Preserved Total Solids	03/15/05	Percent	37.50	37.00 37.40	0.7%
ARI ID: HV58M Client ID: LDW-SS145-010					
Total Solids	03/18/05	Percent	94.00	86.50 88.80	4.3%
Preserved Total Solids	03/18/05	Percent	77.30	83.90 83.60	4.6%

SAMPLE RESULTS-CONVENTIONALS
HV76-Windward Environmental



Matrix: Sediment
Data Release Authorized: *atf*
Reported: 03/25/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/15/05

Client ID: LDW-SSB9a-010
ARI ID: 05-5225 HV76C

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	62.50
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	42.20
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.15	4.08
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	6.7	< 6.7 U
Total Organic Carbon	03/14/05 031405#2	Plumb, 1981	Percent	0.020	2.44

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV72-Windward Environmental



Matrix: Sediment
Data Release Authorized: *RL*
Reported: 03/28/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Client ID: LDW-SSC1-010
ARI ID: 05-5215 HV72F

Analyte	Date	Method	Units	RL	Sample
Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	74.00
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	73.60
N-Ammonia	03/22/05 032205#1	EPA 350.1M	mg-N/kg	0.11	2.16
Sulfide	03/18/05 031805#1	EPA 376.2	mg/kg	5.1	< 5.1 U
Total Organic Carbon	03/19/05 031905#1	Plumb, 1981	Percent	0.020	0.625

RL Analytical reporting limit
U Undetected at reported detection limit

Ammonia determined on 2N KCl extracts.

SAMPLE RESULTS-CONVENTIONALS
HV72-Windward Environmental



Matrix: Sediment
Data Release Authorized *JK*
Reported: 03/28/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Client ID: LDW-SSCR20B-010
ARI ID: 05-5216 HV72G

Analyte	Date	Method	Units	RL	Sample
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	59.60
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	7.9	< 7.9 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HV72-Windward Environmental



Matrix: Sediment
Data Release Authorized *M*
Reported: 03/28/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05


Client ID: LDW-SSCR23B-010
ARI ID: 05-5217 HV72H

Analyte	Date	Method	Units	RL	Sample
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	57.40
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	33	520

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HV72-Windward Environmental



Matrix: Sediment
Data Release Authorized: 
Reported: 03/28/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 03/15/05
Date Received: 03/16/05

Client ID: LDW-SSMSMP43B-010
ARI ID: 05-5218 HV72I

Analyte	Date	Method	Units	RL	Sample
Preserved Total Solids	03/16/05 031605#1	EPA 160.3	Percent	0.01	74.60
Sulfide	03/19/05 031905#1	EPA 376.2	mg/kg	5.6	< 5.6 U

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *HR*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Client ID: DRD-SS7-010
ARI ID: 05-2449 HR49G

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	58.80
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	2.03

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *OK*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Client ID: EB-SS2a-010
ARI ID: 05-2446 HR49D

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	64.30
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	7.33

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *gdy*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Client ID: EB-SS2b-010
ARI ID: 05-2454 HR49L

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	62.00
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	4.64

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *gaf*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/31/05
Date Received: 02/03/05

Client ID: LU-SS9a-010
ARI ID: 05-2450 HR49H

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	81.90
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	2.66

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *awp*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Client ID: LU-SS9b-010
ARI ID: 05-2451 HR49I

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	29.80
Total Organic Carbon	02/16/05 021605#1	Plumb,1981	Percent	0.020	8.61

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *arf*
Reported: 02/18/05

Project: LDW.RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Client ID: LW-SS3-010
ARI ID: 05-2447 HR49E

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	34.60
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	5.36

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HS56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ORP*
Reported: 03/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/08/05
Date Received: 02/11/05

LW-334-010
Client ID: ~~LDW-334-010~~ *MON 8/5/05*
ARI ID: 05-3081 HS56B

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/15/05 021505#2	EPA 160.3	Percent	0.01	14.20
Total Organic Carbon	02/17/05 021705#1	Plumb, 1981	Percent	0.346	18.6

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HS56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *arf*
Reported: 03/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/08/05
Date Received: 02/11/05

Client ID: LW-SS5a-010
ARI ID: 05-3082 HS56C

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/15/05 021505#2	EPA 160.3	Percent	0.01	45.60
Total Organic Carbon	02/17/05 021705#1	Plumb, 1981	Percent	0.020	5.89

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HS56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *atf*
Reported: 03/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/08/05
Date Received: 02/11/05

Client ID: LW-SS5b-010
ARI ID: 05-3083 HS56D

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/15/05 021505#2	EPA 160.3	Percent	0.01	31.20
Total Organic Carbon	02/17/05 021705#1	Plumb, 1981	Percent	0.020	5.45

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 02/18/05

af

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Client ID: LW-SS6-010
ARI ID: 05-2453 HR49K

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	32.30
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	6.11

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *94*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/31/05
Date Received: 02/03/05

Client ID: SB-SS6-010
ARI ID: 05-2448 HR49F

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	74.80
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	1.27

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *aw*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Client ID: SC-SS1a-010
ARI ID: 05-2445 HR49C

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	51.70
Total Organic Carbon	02/17/05 021705#1	Plumb, 1981	Percent	0.020	10.0

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HS56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ant*
Reported: 03/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/10/05
Date Received: 02/11/05

Client ID: SC-SS1b-010
ARI ID: 05-3084 HS56E

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/15/05 021505#2	EPA 160.3	Percent	0.01	30.80
Total Organic Carbon	02/17/05 021705#1	Plumb, 1981	Percent	0.020	2.30

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *RR*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Client ID: UB-SS8-010
ARI ID: 05-2452 HR49J

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	24.40
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	14.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *HR*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Client ID: DRD-SS7-010
ARI ID: 05-2449 HR49G

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	58.80
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	2.03

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *OK*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Client ID: EB-SS2a-010
ARI ID: 05-2446 HR49D

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	64.30
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	7.33

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONAL
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *gjt*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Client ID: EB-SS2b-010
ARI ID: 05-2454 HR49L

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	62.00
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	4.64

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *gaf*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/31/05
Date Received: 02/03/05

Client ID: LU-SS9a-010
ARI ID: 05-2450 HR49H

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	81.90
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	2.66

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *awp*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Client ID: LU-SS9b-010
ARI ID: 05-2451 HR49I

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	29.80
Total Organic Carbon	02/16/05 021605#1	Plumb,1981	Percent	0.020	8.61

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *arf*
Reported: 02/18/05

Project: LDW.RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Client ID: LW-SS3-010
ARI ID: 05-2447 HR49E

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	34.60
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	5.36

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HS56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *DA*
Reported: 08/09/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/08/05
Date Received: 02/11/05

Client ID: LW-SS4-010
ARI ID: 05-3081 HS56B

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/15/05 021505#2	EPA 160.3	Percent	0.01	14.20
Total Organic Carbon	02/17/05 021705#1	Plumb, 1981	Percent	0.346	18.6

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HS56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *arf*
Reported: 03/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/08/05
Date Received: 02/11/05

Client ID: LW-SS5a-010
ARI ID: 05-3082 HS56C

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/15/05 021505#2	EPA 160.3	Percent	0.01	45.60
Total Organic Carbon	02/17/05 021705#1	Plumb, 1981	Percent	0.020	5.89

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HS56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *atf*
Reported: 03/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/08/05
Date Received: 02/11/05

Client ID: LW-SS5b-010
ARI ID: 05-3083 HS56D

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/15/05 021505#2	EPA 160.3	Percent	0.01	31.20
Total Organic Carbon	02/17/05 021705#1	Plumb, 1981	Percent	0.020	5.45

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 02/18/05

AP

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Client ID: LW-SS6-010
ARI ID: 05-2453 HR49K

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	32.30
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	6.11

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized:
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 01/31/05
Date Received: 02/03/05

Client ID: SB-SS6-010
ARI ID: 05-2448 HR49F

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	74.80
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	1.27

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *aw*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/01/05
Date Received: 02/03/05

Client ID: SC-SS1a-010
ARI ID: 05-2445 HR49C

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	51.70
Total Organic Carbon	02/17/05 021705#1	Plumb, 1981	Percent	0.020	10.0

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HS56-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ant*
Reported: 03/03/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/10/05
Date Received: 02/11/05

Client ID: SC-SS1b-010
ARI ID: 05-3084 HS56E

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/15/05 021505#2	EPA 160.3	Percent	0.01	30.80
Total Organic Carbon	02/17/05 021705#1	Plumb, 1981	Percent	0.020	2.30

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
HR49-Windward Environmental



Matrix: Sediment
Data Release Authorized: *ppp*
Reported: 02/18/05

Project: LDW RI-Surface Sediment Chem
Event: 04-08-06-24
Date Sampled: 02/02/05
Date Received: 02/03/05

Client ID: UB-SS8-010
ARI ID: 05-2452 HR49J

Analyte	Date	Method	Units	RL	Sample
Total Solids	02/14/05 021405#1	EPA 160.3	Percent	0.01	24.40
Total Organic Carbon	02/16/05 021605#1	Plumb, 1981	Percent	0.020	14.2

RL Analytical reporting limit
U Undetected at reported detection limit