

Metals

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-A-SS-WB-comp-1

Lab Code: K2409451-001

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0127	0.0013	5	12/21/04	1/7/05	0.0032	B	
Arsenic	6020	0.127	0.008	5	12/21/04	1/7/05	0.993		
Cadmium	6020	0.0051	0.0013	5	12/21/04	1/7/05	0.0184		
Chromium	6010B	0.13	0.08	1	12/21/04	1/7/05	0.13	U	
Cobalt	6020	0.0051	0.0005	5	12/21/04	1/7/05	0.0279		
Copper	6020	0.025	0.018	5	12/21/04	1/7/05	1.460		
Lead	6020	0.0051	0.0018	5	12/21/04	1/7/05	0.1330		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.018		
Molybdenum	6020	0.0127	0.0008	5	12/21/04	1/7/05	0.0144		
Nickel	6020	0.051	0.008	5	12/21/04	1/7/05	0.316		
Selenium	7742	0.025	0.015	2	12/21/04	1/7/05	0.219		
Silver	6020	0.0051	0.0010	5	12/21/04	1/7/05	0.0036	B	
Thallium	6020	0.0051	0.0005	5	12/21/04	1/7/05	0.0005	B	
Vanadium	6010B	0.25	0.18	1	12/21/04	1/7/05	0.25	U	
Zinc	6010B	0.25	0.08	1	12/21/04	1/7/05	17.4		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-B-SS-WB-comp-1

Lab Code: K2409451-002

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0117	0.0012	5	12/21/04	1/7/05	0.0028	B	
Arsenic	6020	0.117	0.007	5	12/21/04	1/7/05	0.753		
Cadmium	6020	0.0047	0.0012	5	12/21/04	1/7/05	0.0148		
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.09	B	
Cobalt	6020	0.0047	0.0005	5	12/21/04	1/7/05	0.0376		
Copper	6020	0.023	0.016	5	12/21/04	1/7/05	1.640		
Lead	6020	0.0047	0.0016	5	12/21/04	1/7/05	0.1190		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.019		
Molybdenum	6020	0.0117	0.0007	5	12/21/04	1/7/05	0.0167		
Nickel	6020	0.047	0.007	5	12/21/04	1/7/05	0.382		
Selenium	7742	0.023	0.014	2	12/21/04	1/7/05	0.186		
Silver	6020	0.0047	0.0009	5	12/21/04	1/7/05	0.0039	B	
Thallium	6020	0.0047	0.0005	5	12/21/04	1/7/05	0.0047	U	
Vanadium	6010B	0.23	0.16	1	12/21/04	1/7/05	0.21	B	
Zinc	6010B	0.23	0.07	1	12/21/04	1/7/05	22.0		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-C-SS-WB-comp-1

Lab Code: K2409451-003

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0123	0.0012	5	12/21/04	1/7/05	0.0042	B	
Arsenic	6020	0.123	0.007	5	12/21/04	1/7/05	1.000		
Cadmium	6020	0.0049	0.0012	5	12/21/04	1/7/05	0.0176		
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.09	B	
Cobalt	6020	0.0049	0.0005	5	12/21/04	1/7/05	0.0361		
Copper	6020	0.025	0.017	5	12/21/04	1/7/05	2.000		
Lead	6020	0.0049	0.0017	5	12/21/04	1/7/05	0.1490		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.022		
Molybdenum	6020	0.0123	0.0007	5	12/21/04	1/7/05	0.0207		
Nickel	6020	0.049	0.007	5	12/21/04	1/7/05	0.469		
Selenium	7742	0.025	0.015	2	12/21/04	1/7/05	0.205		
Silver	6020	0.0049	0.0010	5	12/21/04	1/7/05	0.0063		
Thallium	6020	0.0049	0.0005	5	12/21/04	1/7/05	0.0005	B	
Vanadium	6010B	0.25	0.17	1	12/21/04	1/7/05	0.25	U	
Zinc	6010B	0.25	0.07	1	12/21/04	1/7/05	23.0		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/05/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-D-SS-WB-comp-1

Lab Code: K2409451-004

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0124	0.0012	5	12/21/04	1/7/05	0.0042	B	
Arsenic	6020	0.124	0.007	5	12/21/04	1/7/05	0.984		
Cadmium	6020	0.0049	0.0012	5	12/21/04	1/7/05	0.0240		
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.20		
Cobalt	6020	0.0049	0.0005	5	12/21/04	1/7/05	0.0432		
Copper	6020	0.025	0.017	5	12/21/04	1/7/05	1.860		
Lead	6020	0.0049	0.0017	5	12/21/04	1/7/05	0.1580		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.028		
Molybdenum	6020	0.0124	0.0007	5	12/21/04	1/7/05	0.0251		
Nickel	6020	0.049	0.007	5	12/21/04	1/7/05	0.456		
Selenium	7742	0.025	0.015	2	12/21/04	1/7/05	0.214		
Silver	6020	0.0049	0.0010	5	12/21/04	1/7/05	0.0108		
Thallium	6020	0.0049	0.0005	5	12/21/04	1/7/05	0.0005	B	
Vanadium	6010B	0.25	0.17	1	12/21/04	1/7/05	0.22	B	
Zinc	6010B	0.25	0.07	1	12/21/04	1/7/05	23.9		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-E-SS-WB-comp-1

Lab Code: K2409451-005

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0118	0.0012	5	12/21/04	1/7/05	0.0037	B	
Arsenic	6020	0.118	0.007	5	12/21/04	1/7/05	0.816		
Cadmium	6020	0.0047	0.0012	5	12/21/04	1/7/05	0.0179		
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.12		
Cobalt	6020	0.0047	0.0005	5	12/21/04	1/7/05	0.0423		
Copper	6020	0.024	0.017	5	12/21/04	1/7/05	1.700		
Lead	6020	0.0047	0.0017	5	12/21/04	1/7/05	0.1170		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.031		
Molybdenum	6020	0.0118	0.0007	5	12/21/04	1/7/05	0.0218		
Nickel	6020	0.047	0.007	5	12/21/04	1/7/05	0.493		
Selenium	7742	0.024	0.014	2	12/21/04	1/7/05	0.187		
Silver	6020	0.0047	0.0009	5	12/21/04	1/7/05	0.0069		
Thallium	6020	0.0047	0.0005	5	12/21/04	1/7/05	0.0005	B	
Vanadium	6010B	0.24	0.17	1	12/21/04	1/7/05	0.86		
Zinc	6010B	0.24	0.07	1	12/21/04	1/7/05	23.2		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-F-SS-WB-comp-1

Lab Code: K2409451-006

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0120	0.0012	5	12/21/04	1/7/05	0.0035	B	
Arsenic	6020	0.120	0.007	5	12/21/04	1/7/05	1.150		
Cadmium	6020	0.0048	0.0012	5	12/21/04	1/7/05	0.0166		
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.11	B	
Cobalt	6020	0.0048	0.0005	5	12/21/04	1/7/05	0.0343		
Copper	6020	0.024	0.017	5	12/21/04	1/7/05	1.770		
Lead	6020	0.0048	0.0017	5	12/21/04	1/7/05	0.1050		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.019		
Molybdenum	6020	0.0120	0.0007	5	12/21/04	1/7/05	0.0190		
Nickel	6020	0.048	0.007	5	12/21/04	1/7/05	0.409		
Selenium	7742	0.024	0.014	2	12/21/04	1/7/05	0.205		
Silver	6020	0.0048	0.0010	5	12/21/04	1/7/05	0.0061		
Thallium	6020	0.0048	0.0005	5	12/21/04	1/7/05	0.0005	B	
Vanadium	6010B	0.24	0.17	1	12/21/04	1/7/05	0.22	B	
Zinc	6010B	0.24	0.07	1	12/21/04	1/7/05	23.0		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-A-SS-WB-comp-1

Lab Code: K2409451-007

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0130	0.0013	5	12/21/04	1/7/05	0.0047	B	
Arsenic	6020	0.130	0.008	5	12/21/04	1/7/05	1.240		
Cadmium	6020	0.0052	0.0013	5	12/21/04	1/7/05	0.0195		
Chromium	6010B	0.13	0.08	1	12/21/04	1/7/05	0.13		
Cobalt	6020	0.0052	0.0005	5	12/21/04	1/7/05	0.0425		
Copper	6020	0.026	0.018	5	12/21/04	1/7/05	1.830		
Lead	6020	0.0052	0.0018	5	12/21/04	1/7/05	0.1400		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.030		
Molybdenum	6020	0.0130	0.0008	5	12/21/04	1/7/05	0.0319		
Nickel	6020	0.052	0.008	5	12/21/04	1/7/05	0.501		
Selenium	7742	0.026	0.016	2	12/21/04	1/7/05	0.206		
Silver	6020	0.0052	0.0010	5	12/21/04	1/7/05	0.0052		
Thallium	6020	0.0052	0.0005	5	12/21/04	1/7/05	0.0006	B	
Vanadium	6010B	0.26	0.18	1	12/21/04	1/7/05	0.31		
Zinc	6010B	0.26	0.08	1	12/21/04	1/7/05	23.5		

% Solids: NA

Comments:

METALS
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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-B-SS-WB-comp-1

Lab Code: K2409451-008

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0117	0.0012	5	12/21/04	1/7/05	0.0045	B	
Arsenic	6020	0.117	0.007	5	12/21/04	1/7/05	1.240		
Cadmium	6020	0.0047	0.0012	5	12/21/04	1/7/05	0.0142		
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.19		
Cobalt	6020	0.0047	0.0005	5	12/21/04	1/7/05	0.0455		
Copper	6020	0.023	0.016	5	12/21/04	1/7/05	1.430		
Lead	6020	0.0047	0.0016	5	12/21/04	1/7/05	0.1530		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.021		
Molybdenum	6020	0.0117	0.0007	5	12/21/04	1/7/05	0.0207		
Nickel	6020	0.047	0.007	5	12/21/04	1/7/05	0.399		
Selenium	7742	0.023	0.014	2	12/21/04	1/7/05	0.178		
Silver	6020	0.0047	0.0009	5	12/21/04	1/7/05	0.0035	B	
Thallium	6020	0.0047	0.0005	5	12/21/04	1/7/05	0.0006	B	
Vanadium	6010B	0.23	0.16	1	12/21/04	1/7/05	0.25		
Zinc	6010B	0.23	0.07	1	12/21/04	1/7/05	22.6		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-C-SS-WB-comp-1

Lab Code: K2409451-009

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0114	0.0011	5	12/21/04	1/7/05	0.0017	B	
Arsenic	6020	0.114	0.007	5	12/21/04	1/7/05	0.876		
Cadmium	6020	0.0045	0.0011	5	12/21/04	1/7/05	0.0157		
Chromium	6010B	0.11	0.07	1	12/21/04	1/7/05	0.08	B	
Cobalt	6020	0.0045	0.0005	5	12/21/04	1/7/05	0.0361		
Copper	6020	0.023	0.016	5	12/21/04	1/7/05	1.330		
Lead	6020	0.0045	0.0016	5	12/21/04	1/7/05	0.0719		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.035		
Molybdenum	6020	0.0114	0.0007	5	12/21/04	1/7/05	0.0142		
Nickel	6020	0.045	0.007	5	12/21/04	1/7/05	0.340		
Selenium	7742	0.023	0.014	2	12/21/04	1/7/05	0.184		
Silver	6020	0.0045	0.0009	5	12/21/04	1/7/05	0.0040	B	
Thallium	6020	0.0045	0.0005	5	12/21/04	1/7/05	0.0005	B	
Vanadium	6010B	0.23	0.16	1	12/21/04	1/7/05	0.84		
Zinc	6010B	0.23	0.07	1	12/21/04	1/7/05	28.0		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-D-SS-WB-comp-1

Lab Code: K2409451-010

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0120	0.0012	5	12/21/04	1/7/05	0.0021	B	
Arsenic	6020	0.120	0.007	5	12/21/04	1/7/05	1.160		
Cadmium	6020	0.0048	0.0012	5	12/21/04	1/7/05	0.0127		
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.09	B	
Cobalt	6020	0.0048	0.0005	5	12/21/04	1/7/05	0.0298		
Copper	6020	0.024	0.017	5	12/21/04	1/7/05	2.090		
Lead	6020	0.0048	0.0017	5	12/21/04	1/7/05	0.0606		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.021		
Molybdenum	6020	0.0120	0.0007	5	12/21/04	1/7/05	0.0175		
Nickel	6020	0.048	0.007	5	12/21/04	1/7/05	0.468		
Selenium	7742	0.024	0.014	2	12/21/04	1/7/05	0.204		
Silver	6020	0.0048	0.0010	5	12/21/04	1/7/05	0.0038	B	
Thallium	6020	0.0048	0.0005	5	12/21/04	1/7/05	0.0005	B	
Vanadium	6010B	0.24	0.17	1	12/21/04	1/7/05	0.29		
Zinc	6010B	0.24	0.07	1	12/21/04	1/7/05	19.3		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-E-SS-WB-comp-1

Lab Code: K2409451-011

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0133	0.0013	5	12/21/04	1/7/05	0.0036	B	
Arsenic	6020	0.133	0.008	5	12/21/04	1/7/05	1.050		
Cadmium	6020	0.0053	0.0013	5	12/21/04	1/7/05	0.0187		
Chromium	6010B	0.13	0.08	1	12/21/04	1/7/05	0.15		
Cobalt	6020	0.0053	0.0005	5	12/21/04	1/7/05	0.0550		
Copper	6020	0.027	0.019	5	12/21/04	1/7/05	1.680		
Lead	6020	0.0053	0.0019	5	12/21/04	1/7/05	0.1610		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.029		
Molybdenum	6020	0.0133	0.0008	5	12/21/04	1/7/05	0.0200		
Nickel	6020	0.053	0.008	5	12/21/04	1/7/05	0.433		
Selenium	7742	0.027	0.016	2	12/21/04	1/7/05	0.192		
Silver	6020	0.0053	0.0011	5	12/21/04	1/7/05	0.0041	B	
Thallium	6020	0.0053	0.0005	5	12/21/04	1/7/05	0.0007	B	
Vanadium	6010B	0.27	0.19	1	12/21/04	1/7/05	1.23		
Zinc	6010B	0.27	0.08	1	12/21/04	1/7/05	26.3		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-F-SS-WB-comp-1

Lab Code: K2409451-012

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0127	0.0013	5	12/21/04	1/7/05	0.0018	B	
Arsenic	6020	0.127	0.008	5	12/21/04	1/7/05	1.140		
Cadmium	6020	0.0051	0.0013	5	12/21/04	1/7/05	0.0148		
Chromium	6010B	0.13	0.08	1	12/21/04	1/7/05	0.10	B	
Cobalt	6020	0.0051	0.0005	5	12/21/04	1/7/05	0.0332		
Copper	6020	0.025	0.018	5	12/21/04	1/7/05	1.360		
Lead	6020	0.0051	0.0018	5	12/21/04	1/7/05	0.0952		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.028		
Molybdenum	6020	0.0127	0.0008	5	12/21/04	1/7/05	0.0138		
Nickel	6020	0.051	0.008	5	12/21/04	1/7/05	0.315		
Selenium	7742	0.025	0.015	2	12/21/04	1/7/05	0.212		
Silver	6020	0.0051	0.0010	5	12/21/04	1/7/05	0.0031	B	
Thallium	6020	0.0051	0.0005	5	12/21/04	1/7/05	0.0005	B	
Vanadium	6010B	0.25	0.18	1	12/21/04	1/7/05	0.80		
Zinc	6010B	0.25	0.08	1	12/21/04	1/7/05	22.2		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-A-SS-WB-comp-1

Lab Code: K2409451-013

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0127	0.0013	5	12/21/04	1/7/05	0.0032	B	
Arsenic	6020	0.127	0.008	5	12/21/04	1/7/05	0.874		
Cadmium	6020	0.0051	0.0013	5	12/21/04	1/7/05	0.0143		
Chromium	6010B	0.13	0.08	1	12/21/04	1/7/05	0.16		
Cobalt	6020	0.0051	0.0005	5	12/21/04	1/7/05	0.0565		
Copper	6020	0.025	0.018	5	12/21/04	1/7/05	1.850		
Lead	6020	0.0051	0.0018	5	12/21/04	1/7/05	0.1240		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.023		
Molybdenum	6020	0.0127	0.0008	5	12/21/04	1/7/05	0.0198		
Nickel	6020	0.051	0.008	5	12/21/04	1/7/05	0.481		
Selenium	7742	0.025	0.015	2	12/21/04	1/7/05	0.163		
Silver	6020	0.0051	0.0010	5	12/21/04	1/7/05	0.0039	B	
Thallium	6020	0.0051	0.0005	5	12/21/04	1/7/05	0.0008	B	
Vanadium	6010B	0.25	0.18	1	12/21/04	1/7/05	0.46		
Zinc	6010B	0.25	0.08	1	12/21/04	1/7/05	21.7		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-B-SS-WB-comp-1

Lab Code: K2409451-014

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0138	0.0014	5	12/21/04	1/7/05	0.0038	B	
Arsenic	6020	0.138	0.008	5	12/21/04	1/7/05	0.900		
Cadmium	6020	0.0055	0.0014	5	12/21/04	1/7/05	0.0120		
Chromium	6010B	0.14	0.08	1	12/21/04	1/7/05	0.18		
Cobalt	6020	0.0055	0.0006	5	12/21/04	1/7/05	0.0606		
Copper	6020	0.028	0.019	5	12/21/04	1/7/05	2.180		
Lead	6020	0.0055	0.0019	5	12/21/04	1/7/05	0.1450		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.029		
Molybdenum	6020	0.0138	0.0008	5	12/21/04	1/7/05	0.0207		
Nickel	6020	0.055	0.008	5	12/21/04	1/7/05	0.545		
Selenium	7742	0.028	0.017	2	12/21/04	1/7/05	0.159		
Silver	6020	0.0055	0.0011	5	12/21/04	1/7/05	0.0059		
Thallium	6020	0.0055	0.0006	5	12/21/04	1/7/05	0.0009	B	
Vanadium	6010B	0.28	0.19	1	12/21/04	1/7/05	0.56		
Zinc	6010B	0.28	0.08	1	12/21/04	1/7/05	23.3		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-C-SS-WB-comp-1

Lab Code: K2409451-015

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0119	0.0012	5	12/21/04	1/7/05	0.0023	B	
Arsenic	6020	0.119	0.007	5	12/21/04	1/7/05	0.869		
Cadmium	6020	0.0048	0.0012	5	12/21/04	1/7/05	0.0179		
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.15		
Cobalt	6020	0.0048	0.0005	5	12/21/04	1/7/05	0.0378		
Copper	6020	0.024	0.017	5	12/21/04	1/7/05	1.450		
Lead	6020	0.0048	0.0017	5	12/21/04	1/7/05	0.0732		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.024		
Molybdenum	6020	0.0119	0.0007	5	12/21/04	1/7/05	0.0167		
Nickel	6020	0.048	0.007	5	12/21/04	1/7/05	0.410		
Selenium	7742	0.024	0.014	2	12/21/04	1/7/05	0.158		
Silver	6020	0.0048	0.0010	5	12/21/04	1/7/05	0.0034	B	
Thallium	6020	0.0048	0.0005	5	12/21/04	1/7/05	0.0006	B	
Vanadium	6010B	0.24	0.17	1	12/21/04	1/7/05	0.34		
Zinc	6010B	0.24	0.07	1	12/21/04	1/7/05	21.8		

% Solids: NA

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-D-SS-WB-comp-1

Lab Code: K2409451-016

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0123	0.0012	5	12/21/04	1/7/05	0.0063	B	
Arsenic	6020	0.123	0.007	5	12/21/04	1/7/05	0.874		
Cadmium	6020	0.0049	0.0012	5	12/21/04	1/7/05	0.0160		
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.45		
Cobalt	6020	0.0049	0.0005	5	12/21/04	1/7/05	0.0531		
Copper	6020	0.025	0.017	5	12/21/04	1/7/05	2.190		
Lead	6020	0.0049	0.0017	5	12/21/04	1/7/05	0.2610		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.027		
Molybdenum	6020	0.0123	0.0007	5	12/21/04	1/7/05	0.0435		
Nickel	6020	0.049	0.007	5	12/21/04	1/7/05	0.529		
Selenium	7742	0.025	0.015	2	12/21/04	1/7/05	0.180		
Silver	6020	0.0049	0.0010	5	12/21/04	1/7/05	0.0064		
Thallium	6020	0.0049	0.0005	5	12/21/04	1/7/05	0.0008	B	
Vanadium	6010B	0.25	0.17	1	12/21/04	1/7/05	0.51		
Zinc	6010B	0.25	0.07	1	12/21/04	1/7/05	22.4		

% Solids: NA

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-E-SS-WB-comp-1

Lab Code: K2409451-017

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0114	0.0011	5	12/21/04	1/7/05	0.0026	B	
Arsenic	6020	0.114	0.007	5	12/21/04	1/7/05	0.879		
Cadmium	6020	0.0046	0.0011	5	12/21/04	1/7/05	0.0126		
Chromium	6010B	0.11	0.07	1	12/21/04	1/7/05	0.11	B	
Cobalt	6020	0.0046	0.0005	5	12/21/04	1/7/05	0.0469		
Copper	6020	0.023	0.016	5	12/21/04	1/7/05	1.770		
Lead	6020	0.0046	0.0016	5	12/21/04	1/7/05	0.1150		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.031		
Molybdenum	6020	0.0114	0.0007	5	12/21/04	1/7/05	0.0207		
Nickel	6020	0.046	0.007	5	12/21/04	1/7/05	0.502		
Selenium	7742	0.023	0.014	2	12/21/04	1/7/05	0.171		
Silver	6020	0.0046	0.0009	5	12/21/04	1/7/05	0.0044	B	
Thallium	6020	0.0046	0.0005	5	12/21/04	1/7/05	0.0007	B	
Vanadium	6010B	0.23	0.16	1	12/21/04	1/7/05	0.32		
Zinc	6010B	0.23	0.07	1	12/21/04	1/7/05	19.8		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-F-SS-WB-comp-1

Lab Code: K2409451-018

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0124	0.0012	5	12/21/04	1/7/05	0.0079	B	
Arsenic	6020	0.124	0.007	5	12/21/04	1/7/05	0.887		
Cadmium	6020	0.0050	0.0012	5	12/21/04	1/7/05	0.0152		
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.17		
Cobalt	6020	0.0050	0.0005	5	12/21/04	1/7/05	0.0472		
Copper	6020	0.025	0.017	5	12/21/04	1/7/05	1.900		
Lead	6020	0.0050	0.0017	5	12/21/04	1/7/05	0.1470		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.034		
Molybdenum	6020	0.0124	0.0007	5	12/21/04	1/7/05	0.0265		
Nickel	6020	0.050	0.007	5	12/21/04	1/7/05	0.436		
Selenium	7742	0.025	0.015	2	12/21/04	1/7/05	0.176		
Silver	6020	0.0050	0.0010	5	12/21/04	1/7/05	0.0061		
Thallium	6020	0.0050	0.0005	5	12/21/04	1/7/05	0.0008	B	
Vanadium	6010B	0.25	0.17	1	12/21/04	1/7/05	0.32		
Zinc	6010B	0.25	0.07	1	12/21/04	1/7/05	20.5		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-A-SS-WB-comp-1

Lab Code: K2409451-019

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0114	0.0011	5	12/21/04	1/7/05	0.0019	B	
Arsenic	6020	0.114	0.007	5	12/21/04	1/7/05	0.776		
Cadmium	6020	0.0045	0.0011	5	12/21/04	1/7/05	0.0154		
Chromium	6010B	0.11	0.07	1	12/21/04	1/7/05	0.11	B	
Cobalt	6020	0.0045	0.0005	5	12/21/04	1/7/05	0.0439		
Copper	6020	0.023	0.016	5	12/21/04	1/7/05	1.520		
Lead	6020	0.0045	0.0016	5	12/21/04	1/7/05	0.0604		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.029		
Molybdenum	6020	0.0114	0.0007	5	12/21/04	1/7/05	0.0229		
Nickel	6020	0.045	0.007	5	12/21/04	1/7/05	0.403		
Selenium	7742	0.023	0.014	2	12/21/04	1/7/05	0.189		
Silver	6020	0.0045	0.0009	5	12/21/04	1/7/05	0.0037	B	
Thallium	6020	0.0045	0.0005	5	12/21/04	1/7/05	0.0007	B	
Vanadium	6010B	0.23	0.16	1	12/21/04	1/7/05	0.23		
Zinc	6010B	0.23	0.07	1	12/21/04	1/7/05	21.2		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-B-SS-WB-comp-1

Lab Code: K2409451-020

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0122	0.0012	5	01/04/05	1/7/05	0.0056	B	
Arsenic	6020	0.122	0.007	5	01/04/05	1/7/05	0.895		
Cadmium	6020	0.0049	0.0012	5	01/04/05	1/7/05	0.0122		
Chromium	6010B	0.12	0.07	1	01/04/05	1/7/05	0.14		
Cobalt	6020	0.0049	0.0005	5	01/04/05	1/7/05	0.0385		
Copper	6020	0.024	0.017	5	01/04/05	1/7/05	1.500		
Lead	6020	0.0049	0.0017	5	01/04/05	1/7/05	0.0618		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.031		
Molybdenum	6020	0.0122	0.0007	5	01/04/05	1/7/05	0.0211		
Nickel	6020	0.049	0.007	5	01/04/05	1/7/05	0.397		
Selenium	7742	0.024	0.015	2	01/04/05	1/7/05	0.145		
Silver	6020	0.0049	0.0010	5	01/04/05	1/7/05	0.0029	B	
Thallium	6020	0.0049	0.0005	5	01/04/05	1/7/05	0.0017	B	
Vanadium	6010B	0.24	0.17	1	01/04/05	1/7/05	0.28		
Zinc	6010B	0.24	0.07	1	01/04/05	1/7/05	22.0		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-B-SS-WB-comp-2

Lab Code: K2409451-021

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0132	0.0013	5	01/04/05	1/7/05	0.0027	B	
Arsenic	6020	0.132	0.008	5	01/04/05	1/7/05	1.290		
Cadmium	6020	0.0053	0.0013	5	01/04/05	1/7/05	0.0113		
Chromium	6010B	0.13	0.08	1	01/04/05	1/7/05	0.14		
Cobalt	6020	0.0053	0.0005	5	01/04/05	1/7/05	0.0316		
Copper	6020	0.026	0.019	5	01/04/05	1/7/05	0.768		
Lead	6020	0.0053	0.0019	5	01/04/05	1/7/05	0.0503		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.032		
Molybdenum	6020	0.0132	0.0008	5	01/04/05	1/7/05	0.0192		
Nickel	6020	0.053	0.008	5	01/04/05	1/7/05	0.184		
Selenium	7742	0.026	0.016	2	01/04/05	1/7/05	0.126		
Silver	6020	0.0053	0.0011	5	01/04/05	1/7/05	0.0027	B	
Thallium	6020	0.0053	0.0005	5	01/04/05	1/7/05	0.0007	B	
Vanadium	6010B	0.26	0.19	1	01/04/05	1/7/05	0.23	B	
Zinc	6010B	0.26	0.08	1	01/04/05	1/7/05	17.9		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-C-SS-WB-comp-1

Lab Code: K2409451-022

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0129	0.0013	5	01/04/05	1/7/05	0.0025	B	
Arsenic	6020	0.129	0.008	5	01/04/05	1/7/05	0.828		
Cadmium	6020	0.0052	0.0013	5	01/04/05	1/7/05	0.0099		
Chromium	6010B	0.13	0.08	1	01/04/05	1/7/05	0.39		
Cobalt	6020	0.0052	0.0005	5	01/04/05	1/7/05	0.0359		
Copper	6020	0.026	0.018	5	01/04/05	1/7/05	0.582		
Lead	6020	0.0052	0.0018	5	01/04/05	1/7/05	0.0453		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.028		
Molybdenum	6020	0.0129	0.0008	5	01/04/05	1/7/05	0.0146		
Nickel	6020	0.052	0.008	5	01/04/05	1/7/05	0.262		
Selenium	7742	0.026	0.016	2	01/04/05	1/7/05	0.135		
Silver	6020	0.0052	0.0010	5	01/04/05	1/7/05	0.0022	B	
Thallium	6020	0.0052	0.0005	5	01/04/05	1/7/05	0.0052	U	
Vanadium	6010B	0.26	0.18	1	01/04/05	1/7/05	0.26		
Zinc	6010B	0.26	0.08	1	01/04/05	1/7/05	19.5		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-C-SS-WB-comp-2

Lab Code: K2409451-023

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0120	0.0012	5	01/04/05	1/7/05	0.0017	B	
Arsenic	6020	0.120	0.007	5	01/04/05	1/7/05	0.715		
Cadmium	6020	0.0048	0.0012	5	01/04/05	1/7/05	0.0108		
Chromium	6010B	0.12	0.07	1	01/04/05	1/7/05	0.23		
Cobalt	6020	0.0048	0.0005	5	01/04/05	1/7/05	0.0418		
Copper	6020	0.024	0.017	5	01/04/05	1/7/05	1.360		
Lead	6020	0.0048	0.0017	5	01/04/05	1/7/05	0.0512		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.028		
Molybdenum	6020	0.0120	0.0007	5	01/04/05	1/7/05	0.0207		
Nickel	6020	0.048	0.007	5	01/04/05	1/7/05	0.407		
Selenium	7742	0.024	0.014	2	01/04/05	1/7/05	0.139		
Silver	6020	0.0048	0.0010	5	01/04/05	1/7/05	0.0024	B	
Thallium	6020	0.0048	0.0005	5	01/04/05	1/7/05	0.0006	B	
Vanadium	6010B	0.24	0.17	1	01/04/05	1/7/05	0.28		
Zinc	6010B	0.24	0.07	1	01/04/05	1/7/05	20.7		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-D-SS-WB-comp-1

Lab Code: K2409451-024

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0124	0.0012	5	01/04/05	1/7/05	0.0017	B	
Arsenic	6020	0.124	0.007	5	01/04/05	1/7/05	0.737		
Cadmium	6020	0.0050	0.0012	5	01/04/05	1/7/05	0.0103		
Chromium	6010B	0.12	0.07	1	01/04/05	1/7/05	0.26		
Cobalt	6020	0.0050	0.0005	5	01/04/05	1/7/05	0.0439		
Copper	6020	0.025	0.017	5	01/04/05	1/7/05	1.380		
Lead	6020	0.0050	0.0017	5	01/04/05	1/7/05	0.0630		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.038		
Molybdenum	6020	0.0124	0.0007	5	01/04/05	1/7/05	0.0145		
Nickel	6020	0.050	0.007	5	01/04/05	1/7/05	0.392		
Selenium	7742	0.025	0.015	2	01/04/05	1/7/05	0.111		
Silver	6020	0.0050	0.0010	5	01/04/05	1/7/05	0.0033	B	
Thallium	6020	0.0050	0.0005	5	01/04/05	1/7/05	0.0008	B	
Vanadium	6010B	0.25	0.17	1	01/04/05	1/7/05	0.29		
Zinc	6010B	0.25	0.07	1	01/04/05	1/7/05	20.8		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-ES-FL-comp-2

Lab Code: K2409451-025

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0122	0.0012	5	12/21/04	1/7/05	0.0122	U	
Arsenic	6020	0.122	0.007	5	12/21/04	1/7/05	4.000		
Cadmium	6020	0.0049	0.0012	5	12/21/04	1/7/05	0.0049	U	
Chromium	6010B	0.12	0.07	1	12/21/04	1/7/05	0.12	U	
Cobalt	6020	0.0049	0.0005	5	12/21/04	1/7/05	0.0041	B	
Copper	6020	0.025	0.017	5	12/21/04	1/7/05	0.388		
Lead	6020	0.0049	0.0017	5	12/21/04	1/7/05	0.0127		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.016		
Molybdenum	6020	0.0122	0.0007	5	12/21/04	1/7/05	0.0068	B	
Nickel	6020	0.049	0.007	5	12/21/04	1/7/05	0.087		
Selenium	7742	0.025	0.015	2	12/21/04	1/7/05	0.207		
Silver	6020	0.0049	0.0010	5	12/21/04	1/7/05	0.0049	U	
Thallium	6020	0.0049	0.0005	5	12/21/04	1/7/05	0.0049	U	
Vanadium	6010B	0.25	0.17	1	12/21/04	1/7/05	0.25	U	
Zinc	6010B	0.25	0.07	1	12/21/04	1/7/05	7.70		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-M-ES-WB-comp-1

Lab Code: K2409451-026

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0111	0.0011	5	01/04/05	1/7/05	0.0103	B	
Arsenic	6020	0.111	0.007	5	01/04/05	1/7/05	3.400		
Cadmium	6020	0.0045	0.0011	5	01/04/05	1/7/05	0.0111		
Chromium	6010B	0.11	0.07	1	01/04/05	1/7/05	0.36		
Cobalt	6020	0.0045	0.0004	5	01/04/05	1/7/05	0.0512		
Copper	6020	0.022	0.016	5	01/04/05	1/7/05	0.827		
Lead	6020	0.0045	0.0016	5	01/04/05	1/7/05	0.3000		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.027		
Molybdenum	6020	0.0111	0.0007	5	01/04/05	1/7/05	0.0251		
Nickel	6020	0.045	0.007	5	01/04/05	1/7/05	0.243		
Selenium	7742	0.022	0.013	2	01/04/05	1/7/05	0.182		
Silver	6020	0.0045	0.0009	5	01/04/05	1/7/05	0.0044	B	
Thallium	6020	0.0045	0.0004	5	01/04/05	1/7/05	0.0012	B	
Vanadium	6010B	0.22	0.16	1	01/04/05	1/7/05	0.42		
Zinc	6010B	0.22	0.07	1	01/04/05	1/7/05	11.2		

% Solids: NA

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/05/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-M-ES-WB-comp-2

Lab Code: K2409451-027

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0119	0.0012	5	01/04/05	1/7/05	0.0043	B	
Arsenic	6020	0.119	0.007	5	01/04/05	1/7/05	2.940		
Cadmium	6020	0.0048	0.0012	5	01/04/05	1/7/05	0.0050		
Chromium	6010B	0.12	0.07	1	01/04/05	1/7/05	0.17		
Cobalt	6020	0.0048	0.0005	5	01/04/05	1/7/05	0.0242		
Copper	6020	0.024	0.017	5	01/04/05	1/7/05	0.494		
Lead	6020	0.0048	0.0017	5	01/04/05	1/7/05	0.1210		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.010		
Molybdenum	6020	0.0119	0.0007	5	01/04/05	1/7/05	0.0123		
Nickel	6020	0.048	0.007	5	01/04/05	1/7/05	0.162		
Selenium	7742	0.024	0.014	2	01/04/05	1/7/05	0.292		
Silver	6020	0.0048	0.0010	5	01/04/05	1/7/05	0.0020	B	
Thallium	6020	0.0048	0.0005	5	01/04/05	1/7/05	0.0048	U	
Vanadium	6010B	0.24	0.17	1	01/04/05	1/7/05	0.22	B	
Zinc	6010B	0.24	0.07	1	01/04/05	1/7/05	12.0		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-M-ES-WB-comp-3

Lab Code: K2409451-028

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0133	0.0013	5	01/04/05	1/7/05	0.0076	B	
Arsenic	6020	0.133	0.008	5	01/04/05	1/7/05	3.450		
Cadmium	6020	0.0053	0.0013	5	01/04/05	1/7/05	0.0072		
Chromium	6010B	0.13	0.08	1	01/04/05	1/7/05	0.26		
Cobalt	6020	0.0053	0.0005	5	01/04/05	1/7/05	0.0379		
Copper	6020	0.027	0.019	5	01/04/05	1/7/05	0.659		
Lead	6020	0.0053	0.0019	5	01/04/05	1/7/05	0.2450		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.011		
Molybdenum	6020	0.0133	0.0008	5	01/04/05	1/7/05	0.0190		
Nickel	6020	0.053	0.008	5	01/04/05	1/7/05	0.222		
Selenium	7742	0.027	0.016	2	01/04/05	1/7/05	0.143		
Silver	6020	0.0053	0.0011	5	01/04/05	1/7/05	0.0033	B	
Thallium	6020	0.0053	0.0005	5	01/04/05	1/7/05	0.0053	U	
Vanadium	6010B	0.27	0.19	1	01/04/05	1/7/05	0.38		
Zinc	6010B	0.27	0.08	1	01/04/05	1/7/05	12.7		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-M-ES-WB-comp-4

Lab Code: K2409451-029

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0121	0.0012	5	01/04/05	1/7/05	0.0095	B	
Arsenic	6020	0.121	0.007	5	01/04/05	1/7/05	4.330		
Cadmium	6020	0.0048	0.0012	5	01/04/05	1/7/05	0.0084		
Chromium	6010B	0.12	0.07	1	01/04/05	1/7/05	0.28		
Cobalt	6020	0.0048	0.0005	5	01/04/05	1/7/05	0.0538		
Copper	6020	0.024	0.017	5	01/04/05	1/7/05	0.877		
Lead	6020	0.0048	0.0017	5	01/04/05	1/7/05	0.2930		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.013		
Molybdenum	6020	0.0121	0.0007	5	01/04/05	1/7/05	0.0217		
Nickel	6020	0.048	0.007	5	01/04/05	1/7/05	0.270		
Selenium	7742	0.024	0.015	2	01/04/05	1/7/05	0.205		
Silver	6020	0.0048	0.0010	5	01/04/05	1/7/05	0.0050		
Thallium	6020	0.0048	0.0005	5	01/04/05	1/7/05	0.0006	B	
Vanadium	6010B	0.24	0.17	1	01/04/05	1/7/05	0.48		
Zinc	6010B	0.24	0.07	1	01/04/05	1/7/05	12.5		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-M-ES-WB-comp-5

Lab Code: K2409451-030

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0120	0.0012	5	01/04/05	1/7/05	0.0111	B	
Arsenic	6020	0.120	0.007	5	01/04/05	1/7/05	3.510		
Cadmium	6020	0.0048	0.0012	5	01/04/05	1/7/05	0.0105		
Chromium	6010B	0.12	0.07	1	01/04/05	1/7/05	0.38		
Cobalt	6020	0.0048	0.0005	5	01/04/05	1/7/05	0.0541		
Copper	6020	0.024	0.017	5	01/04/05	1/7/05	0.896		
Lead	6020	0.0048	0.0017	5	01/04/05	1/7/05	0.3080		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.016		
Molybdenum	6020	0.0120	0.0007	5	01/04/05	1/7/05	0.0357		
Nickel	6020	0.048	0.007	5	01/04/05	1/7/05	0.304		
Selenium	7742	0.024	0.014	2	01/04/05	1/7/05	0.199		
Silver	6020	0.0048	0.0010	5	01/04/05	1/7/05	0.0066		
Thallium	6020	0.0048	0.0005	5	01/04/05	1/7/05	0.0005	B	
Vanadium	6010B	0.24	0.17	1	01/04/05	1/7/05	0.40		
Zinc	6010B	0.24	0.07	1	01/04/05	1/7/05	11.8		

% Solids: NA

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-M-ES-WB-comp-6

Lab Code: K2409451-031

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0128	0.0013	5	01/04/05	1/7/05	0.0105	B	
Arsenic	6020	0.128	0.008	5	01/04/05	1/7/05	3.770		
Cadmium	6020	0.0051	0.0013	5	01/04/05	1/7/05	0.0127		
Chromium	6010B	0.13	0.08	1	01/04/05	1/7/05	0.32		
Cobalt	6020	0.0051	0.0005	5	01/04/05	1/7/05	0.0561		
Copper	6020	0.026	0.018	5	01/04/05	1/7/05	0.811		
Lead	6020	0.0051	0.0018	5	01/04/05	1/7/05	0.3010		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.016		
Molybdenum	6020	0.0128	0.0008	5	01/04/05	1/7/05	0.0239		
Nickel	6020	0.051	0.008	5	01/04/05	1/7/05	0.217		
Selenium	7742	0.026	0.015	2	01/04/05	1/7/05	0.221		
Silver	6020	0.0051	0.0010	5	01/04/05	1/7/05	0.0062		
Thallium	6020	0.0051	0.0005	5	01/04/05	1/7/05	0.0006	B	
Vanadium	6010B	0.26	0.18	1	01/04/05	1/7/05	0.38		
Zinc	6010B	0.26	0.08	1	01/04/05	1/7/05	12.8		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-ES-WB-comp-1

Lab Code: K2409451-032

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0136	0.0014	5	01/04/05	1/7/05	0.0079	B	
Arsenic	6020	0.136	0.008	5	01/04/05	1/7/05	3.140		
Cadmium	6020	0.0055	0.0014	5	01/04/05	1/7/05	0.0089		
Chromium	6010B	0.14	0.08	1	01/04/05	1/7/05	0.24		
Cobalt	6020	0.0055	0.0005	5	01/04/05	1/7/05	0.0472		
Copper	6020	0.027	0.019	5	01/04/05	1/7/05	0.810		
Lead	6020	0.0055	0.0019	5	01/04/05	1/7/05	0.1920		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.016		
Molybdenum	6020	0.0136	0.0008	5	01/04/05	1/7/05	0.0177		
Nickel	6020	0.055	0.008	5	01/04/05	1/7/05	0.210		
Selenium	7742	0.027	0.016	2	01/04/05	1/7/05	0.179		
Silver	6020	0.0055	0.0011	5	01/04/05	1/7/05	0.0037	B	
Thallium	6020	0.0055	0.0005	5	01/04/05	1/7/05	0.0055	U	
Vanadium	6010B	0.27	0.19	1	01/04/05	1/7/05	0.48		
Zinc	6010B	0.27	0.08	1	01/04/05	1/7/05	13.0		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-ES-WB-comp-2

Lab Code: K2409451-033

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0128	0.0013	5	01/04/05	1/7/05	0.0067	B	
Arsenic	6020	0.128	0.008	5	01/04/05	1/7/05	3.530		
Cadmium	6020	0.0051	0.0013	5	01/04/05	1/7/05	0.0075		
Chromium	6010B	0.13	0.08	1	01/04/05	1/7/05	0.18		
Cobalt	6020	0.0051	0.0005	5	01/04/05	1/7/05	0.0421		
Copper	6020	0.026	0.018	5	01/04/05	1/7/05	0.575		
Lead	6020	0.0051	0.0018	5	01/04/05	1/7/05	0.1830		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.016		
Molybdenum	6020	0.0128	0.0008	5	01/04/05	1/7/05	0.0178		
Nickel	6020	0.051	0.008	5	01/04/05	1/7/05	0.205		
Selenium	7742	0.026	0.015	2	01/04/05	1/7/05	0.320		
Silver	6020	0.0051	0.0010	5	01/04/05	1/7/05	0.0026	B	
Thallium	6020	0.0051	0.0005	5	01/04/05	1/7/05	0.0051	U	
Vanadium	6010B	0.26	0.18	1	01/04/05	1/7/05	0.38		
Zinc	6010B	0.26	0.08	1	01/04/05	1/7/05	11.3		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-ES-WB-comp-3

Lab Code: K2409451-034

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0129	0.0013	5	01/04/05	1/7/05	0.0075	B	
Arsenic	6020	0.129	0.008	5	01/04/05	1/7/05	3.160		
Cadmium	6020	0.0052	0.0013	5	01/04/05	1/7/05	0.0151		
Chromium	6010B	0.13	0.08	1	01/04/05	1/7/05	0.29		
Cobalt	6020	0.0052	0.0005	5	01/04/05	1/7/05	0.0529		
Copper	6020	0.026	0.018	5	01/04/05	1/7/05	0.912		
Lead	6020	0.0052	0.0018	5	01/04/05	1/7/05	0.2050		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.015		
Molybdenum	6020	0.0129	0.0008	5	01/04/05	1/7/05	0.0188		
Nickel	6020	0.052	0.008	5	01/04/05	1/7/05	0.248		
Selenium	7742	0.026	0.016	2	01/04/05	1/7/05	0.140		
Silver	6020	0.0052	0.0010	5	01/04/05	1/7/05	0.0055		
Thallium	6020	0.0052	0.0005	5	01/04/05	1/7/05	0.0006	B	
Vanadium	6010B	0.26	0.18	1	01/04/05	1/7/05	0.49		
Zinc	6010B	0.26	0.08	1	01/04/05	1/7/05	12.6		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-M-ES-WB-comp-2

Lab Code: K2409451-035

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0125	0.0013	5	01/04/05	1/12/05	0.0038	B	
Arsenic	6020	0.125	0.007	5	01/04/05	1/12/05	3.200		
Cadmium	6020	0.0050	0.0013	5	01/04/05	1/12/05	0.0068		
Chromium	6010B	0.13	0.07	1	01/04/05	1/7/05	0.20		
Cobalt	6020	0.0050	0.0005	5	01/04/05	1/12/05	0.0517		
Copper	6020	0.025	0.017	5	01/04/05	1/12/05	1.290		
Lead	6020	0.0050	0.0017	5	01/04/05	1/12/05	0.0979		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.025		
Molybdenum	6020	0.0125	0.0007	5	01/04/05	1/12/05	0.0250		
Nickel	6020	0.050	0.007	5	01/04/05	1/12/05	0.388		
Selenium	7742	0.025	0.015	2	01/04/05	1/7/05	0.094		
Silver	6020	0.0050	0.0010	5	01/04/05	1/12/05	0.0025	B	
Thallium	6020	0.0050	0.0005	5	01/04/05	1/12/05	0.0050	U	
Vanadium	6010B	0.25	0.17	1	01/04/05	1/7/05	0.35		
Zinc	6010B	0.25	0.07	1	01/04/05	1/7/05	13.8		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-M-SC-EM-comp-1

Lab Code: K2409451-036

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0093	0.0009	5	01/04/05	1/7/05	0.0025	B	
Arsenic	6020	0.093	0.006	5	01/04/05	1/7/05	3.570		
Cadmium	6020	0.0037	0.0009	5	01/04/05	1/7/05	0.0313		
Chromium	6010B	0.09	0.06	1	01/04/05	1/7/05	0.09	U	
Cobalt	6020	0.0037	0.0004	5	01/04/05	1/7/05	0.0107		
Copper	6020	0.019	0.013	5	01/04/05	1/7/05	7.250		
Lead	6020	0.0037	0.0013	5	01/04/05	1/7/05	0.0503		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.039		
Molybdenum	6020	0.0093	0.0006	5	01/04/05	1/7/05	0.0140		
Nickel	6020	0.037	0.006	5	01/04/05	1/7/05	0.052		
Selenium	7742	0.019	0.011	2	01/04/05	1/7/05	0.200		
Silver	6020	0.0037	0.0007	5	01/04/05	1/7/05	0.0617		
Thallium	6020	0.0037	0.0004	5	01/04/05	1/7/05	0.0037	U	
Vanadium	6010B	0.19	0.13	1	01/04/05	1/7/05	0.19	U	
Zinc	6010B	0.19	0.06	1	01/04/05	1/7/05	34.5		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-M-SC-EM-comp-2

Lab Code: K2409451-037

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0099	0.0010	5	01/04/05	1/7/05	0.0019	B	
Arsenic	6020	0.099	0.006	5	01/04/05	1/7/05	2.680		
Cadmium	6020	0.0039	0.0010	5	01/04/05	1/7/05	0.0309		
Chromium	6010B	0.10	0.06	1	01/04/05	1/7/05	0.10	U	
Cobalt	6020	0.0039	0.0004	5	01/04/05	1/7/05	0.0145		
Copper	6020	0.020	0.014	5	01/04/05	1/7/05	7.070		
Lead	6020	0.0039	0.0014	5	01/04/05	1/7/05	0.0367		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.044		
Molybdenum	6020	0.0099	0.0006	5	01/04/05	1/7/05	0.0154		
Nickel	6020	0.039	0.006	5	01/04/05	1/7/05	0.065		
Selenium	7742	0.020	0.012	2	01/04/05	1/7/05	0.190		
Silver	6020	0.0039	0.0008	5	01/04/05	1/7/05	0.0702		
Thallium	6020	0.0039	0.0004	5	01/04/05	1/7/05	0.0039	U	
Vanadium	6010B	0.20	0.14	1	01/04/05	1/7/05	0.20	U	
Zinc	6010B	0.20	0.06	1	01/04/05	1/7/05	38.9		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-M-SC-EM-comp-3

Lab Code: K2409451-038

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0091	0.0009	5	01/04/05	1/7/05	0.0018	B	
Arsenic	6020	0.091	0.005	5	01/04/05	1/7/05	2.790		
Cadmium	6020	0.0036	0.0009	5	01/04/05	1/7/05	0.0444		
Chromium	6010B	0.09	0.05	1	01/04/05	1/7/05	0.09	U	
Cobalt	6020	0.0036	0.0004	5	01/04/05	1/7/05	0.0131		
Copper	6020	0.018	0.013	5	01/04/05	1/7/05	5.880		
Lead	6020	0.0036	0.0013	5	01/04/05	1/7/05	0.0485		
Mercury	7471A	0.003	0.001	1	1/13/05	1/17/05	0.056		
Molybdenum	6020	0.0091	0.0005	5	01/04/05	1/7/05	0.0158		
Nickel	6020	0.036	0.005	5	01/04/05	1/7/05	0.056		
Selenium	7742	0.018	0.011	2	01/04/05	1/7/05	0.160		
Silver	6020	0.0036	0.0007	5	01/04/05	1/7/05	0.0591		
Thallium	6020	0.0036	0.0004	5	01/04/05	1/7/05	0.0036	U	
Vanadium	6010B	0.18	0.13	1	01/04/05	1/7/05	0.18	U	
Zinc	6010B	0.18	0.05	1	01/04/05	1/7/05	37.0		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T1-M-SC-HP-comp-1

Lab Code: K2409451-039

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0066	0.0007	5	01/04/05	1/7/05	0.0048	B	
Arsenic	6020	0.066	0.004	5	01/04/05	1/7/05	3.310		
Cadmium	6020	0.0026	0.0007	5	01/04/05	1/7/05	0.8530		
Chromium	6010B	0.07	0.04	1	01/04/05	1/7/05	0.04	B	
Cobalt	6020	0.0026	0.0003	5	01/04/05	1/7/05	0.0808		
Copper	6020	0.131	0.092	50	01/04/05	1/7/05	49.9		
Lead	6020	0.0026	0.0009	5	01/04/05	1/7/05	0.2690		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.023		
Molybdenum	6020	0.0066	0.0004	5	01/04/05	1/7/05	0.0936		
Nickel	6020	0.026	0.004	5	01/04/05	1/7/05	0.110		
Selenium	7742	0.013	0.008	2	01/04/05	1/7/05	0.133		
Silver	6020	0.0026	0.0005	5	01/04/05	1/7/05	0.4060		
Thallium	6020	0.0026	0.0003	5	01/04/05	1/7/05	0.0008	B	
Vanadium	6010B	0.13	0.09	1	01/04/05	1/7/05	0.11	B	
Zinc	6010B	0.13	0.04	1	01/04/05	1/7/05	33.6		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/31/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-SC-EM-comp-1

Lab Code: K2409451-040

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0095	0.0010	5	01/04/05	1/7/05	0.0014	B	
Arsenic	6020	0.095	0.006	5	01/04/05	1/7/05	2.980		
Cadmium	6020	0.0038	0.0010	5	01/04/05	1/7/05	0.0277		
Chromium	6010B	0.10	0.06	1	01/04/05	1/7/05	0.10	U	
Cobalt	6020	0.0038	0.0004	5	01/04/05	1/7/05	0.0149		
Copper	6020	0.019	0.013	5	01/04/05	1/7/05	7.000		
Lead	6020	0.0038	0.0013	5	01/04/05	1/7/05	0.0224		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.060		
Molybdenum	6020	0.0095	0.0006	5	01/04/05	1/7/05	0.0158		
Nickel	6020	0.038	0.006	5	01/04/05	1/7/05	0.060		
Selenium	7742	0.019	0.011	2	01/04/05	1/7/05	0.252		
Silver	6020	0.0038	0.0008	5	01/04/05	1/7/05	0.0627		
Thallium	6020	0.0038	0.0004	5	01/04/05	1/7/05	0.0038	U	
Vanadium	6010B	0.19	0.13	1	01/04/05	1/7/05	0.19	U	
Zinc	6010B	0.19	0.06	1	01/04/05	1/7/05	37.8		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/31/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-SC-EM-comp-2

Lab Code: K2409451-041

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0092	0.0009	5	01/04/05	1/7/05	0.0013	B	
Arsenic	6020	0.092	0.006	5	01/04/05	1/7/05	2.700		
Cadmium	6020	0.0037	0.0009	5	01/04/05	1/7/05	0.0201		
Chromium	6010B	0.09	0.06	1	01/04/05	1/7/05	0.09	U	
Cobalt	6020	0.0037	0.0004	5	01/04/05	1/7/05	0.0112		
Copper	6020	0.018	0.013	5	01/04/05	1/7/05	5.730		
Lead	6020	0.0037	0.0013	5	01/04/05	1/7/05	0.0169		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.048		
Molybdenum	6020	0.0092	0.0006	5	01/04/05	1/7/05	0.0146		
Nickel	6020	0.037	0.006	5	01/04/05	1/7/05	0.046		
Selenium	7742	0.018	0.011	2	01/04/05	1/7/05	0.244		
Silver	6020	0.0037	0.0007	5	01/04/05	1/7/05	0.0492		
Thallium	6020	0.0037	0.0004	5	01/04/05	1/7/05	0.0037	U	
Vanadium	6010B	0.18	0.13	1	01/04/05	1/7/05	0.18	U	
Zinc	6010B	0.18	0.06	1	01/04/05	1/7/05	35.8		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/31/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-SC-EM-comp-3

Lab Code: K2409451-042

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0085	0.0008	5	01/04/05	1/12/05	0.0014	B	
Arsenic	6020	0.085	0.005	5	01/04/05	1/12/05	2.410		
Cadmium	6020	0.0034	0.0008	5	01/04/05	1/12/05	0.0291		
Chromium	6010B	0.08	0.05	1	01/04/05	1/7/05	0.08	U	
Cobalt	6020	0.0034	0.0003	5	01/04/05	1/12/05	0.0110		
Copper	6020	0.017	0.012	5	01/04/05	1/12/05	6.840		
Lead	6020	0.0034	0.0012	5	01/04/05	1/12/05	0.0324		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.059		
Molybdenum	6020	0.0085	0.0005	5	01/04/05	1/12/05	0.0131		
Nickel	6020	0.034	0.005	5	01/04/05	1/12/05	0.058		
Selenium	7742	0.017	0.010	2	01/04/05	1/7/05	0.213		
Silver	6020	0.0034	0.0007	5	01/04/05	1/12/05	0.0499		
Thallium	6020	0.0034	0.0003	5	01/04/05	1/12/05	0.0034	U	
Vanadium	6010B	0.17	0.12	1	01/04/05	1/7/05	0.17	U	
Zinc	6010B	0.17	0.05	1	01/04/05	1/7/05	32.9		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/31/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-SC-HP-comp-1

Lab Code: K2409451-043

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0063	0.0006	5	01/04/05	1/12/05	0.0025	B	
Arsenic	6020	0.063	0.004	5	01/04/05	1/12/05	2.720		
Cadmium	6020	0.0025	0.0006	5	01/04/05	1/12/05	0.3790		
Chromium	6010B	0.06	0.04	1	01/04/05	1/7/05	0.06	U	
Cobalt	6020	0.0025	0.0003	5	01/04/05	1/12/05	0.0531		
Copper	6020	0.013	0.009	5	01/04/05	1/12/05	24.8		
Lead	6020	0.0025	0.0009	5	01/04/05	1/12/05	0.1010		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.025		
Molybdenum	6020	0.0063	0.0004	5	01/04/05	1/12/05	0.0599		
Nickel	6020	0.025	0.004	5	01/04/05	1/12/05	0.075		
Selenium	7742	0.013	0.008	2	01/04/05	1/7/05	0.172		
Silver	6020	0.0025	0.0005	5	01/04/05	1/12/05	0.2180		
Thallium	6020	0.0025	0.0003	5	01/04/05	1/12/05	0.0006	B	
Vanadium	6010B	0.13	0.09	1	01/04/05	1/7/05	0.13	U	
Zinc	6010B	0.13	0.04	1	01/04/05	1/7/05	25.1		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/31/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-SC-EM-comp-4

Lab Code: K2409451-044

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0086	0.0009	5	01/04/05	1/12/05	0.0011	B	
Arsenic	6020	0.086	0.005	5	01/04/05	1/12/05	2.360		
Cadmium	6020	0.0035	0.0009	5	01/04/05	1/12/05	0.0301		
Chromium	6010B	0.09	0.05	1	01/04/05	1/7/05	0.09	U	
Cobalt	6020	0.0035	0.0003	5	01/04/05	1/12/05	0.0132		
Copper	6020	0.017	0.012	5	01/04/05	1/12/05	6.140		
Lead	6020	0.0035	0.0012	5	01/04/05	1/12/05	0.0245		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.035		
Molybdenum	6020	0.0086	0.0005	5	01/04/05	1/12/05	0.0166		
Nickel	6020	0.035	0.005	5	01/04/05	1/12/05	0.045		
Selenium	7742	0.017	0.010	2	01/04/05	1/7/05	0.244		
Silver	6020	0.0035	0.0007	5	01/04/05	1/12/05	0.0562		
Thallium	6020	0.0035	0.0003	5	01/04/05	1/12/05	0.0035	U	
Vanadium	6010B	0.17	0.12	1	01/04/05	1/7/05	0.17	U	
Zinc	6010B	0.17	0.05	1	01/04/05	1/7/05	31.5		

% Solids: NA

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/31/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-SC-EM-comp-5

Lab Code: K2409451-045

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0095	0.0010	5	01/04/05	1/12/05	0.0012	B	
Arsenic	6020	0.095	0.006	5	01/04/05	1/12/05	2.900		
Cadmium	6020	0.0038	0.0010	5	01/04/05	1/12/05	0.0379		
Chromium	6010B	0.10	0.06	1	01/04/05	1/7/05	0.10	U	
Cobalt	6020	0.0038	0.0004	5	01/04/05	1/12/05	0.0121		
Copper	6020	0.019	0.013	5	01/04/05	1/12/05	7.320		
Lead	6020	0.0038	0.0013	5	01/04/05	1/12/05	0.0255		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.057		
Molybdenum	6020	0.0095	0.0006	5	01/04/05	1/12/05	0.0134		
Nickel	6020	0.038	0.006	5	01/04/05	1/12/05	0.042		
Selenium	7742	0.019	0.011	2	01/04/05	1/7/05	0.262		
Silver	6020	0.0038	0.0008	5	01/04/05	1/12/05	0.0431		
Thallium	6020	0.0038	0.0004	5	01/04/05	1/12/05	0.0038	U	
Vanadium	6010B	0.19	0.13	1	01/04/05	1/7/05	0.19	U	
Zinc	6010B	0.19	0.06	1	01/04/05	1/7/05	39.3		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/31/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-SC-EM-comp-6

Lab Code: K2409451-046

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0087	0.0009	5	01/04/05	1/12/05	0.0087	U	
Arsenic	6020	0.087	0.005	5	01/04/05	1/12/05	2.810		
Cadmium	6020	0.0035	0.0009	5	01/04/05	1/12/05	0.0279		
Chromium	6010B	0.09	0.05	1	01/04/05	1/7/05	0.09	U	
Cobalt	6020	0.0035	0.0003	5	01/04/05	1/12/05	0.0126		
Copper	6020	0.017	0.012	5	01/04/05	1/12/05	6.490		
Lead	6020	0.0035	0.0012	5	01/04/05	1/12/05	0.0213		
Mercury	7471A	0.003	0.001	1	1/13/05	1/17/05	0.051		
Molybdenum	6020	0.0087	0.0005	5	01/04/05	1/12/05	0.0149		
Nickel	6020	0.035	0.005	5	01/04/05	1/12/05	0.043		
Selenium	7742	0.017	0.010	2	01/04/05	1/7/05	0.202		
Silver	6020	0.0035	0.0007	5	01/04/05	1/12/05	0.0558		
Thallium	6020	0.0035	0.0003	5	01/04/05	1/12/05	0.0035	U	
Vanadium	6010B	0.17	0.12	1	01/04/05	1/7/05	0.17	U	
Zinc	6010B	0.17	0.05	1	01/04/05	1/7/05	33.9		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/31/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-SC-HP-comp-2

Lab Code: K2409451-047

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0067	0.0007	5	01/04/05	1/12/05	0.0025	B	
Arsenic	6020	0.067	0.004	5	01/04/05	1/12/05	2.320		
Cadmium	6020	0.0027	0.0007	5	01/04/05	1/12/05	0.4320		
Chromium	6010B	0.07	0.04	1	01/04/05	1/7/05	0.07	U	
Cobalt	6020	0.0027	0.0003	5	01/04/05	1/12/05	0.0548		
Copper	6020	0.013	0.009	5	01/04/05	1/12/05	20.0		
Lead	6020	0.0027	0.0009	5	01/04/05	1/12/05	0.1040		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.020		
Molybdenum	6020	0.0067	0.0004	5	01/04/05	1/12/05	0.0663		
Nickel	6020	0.027	0.004	5	01/04/05	1/12/05	0.075		
Selenium	7742	0.013	0.008	2	01/04/05	1/7/05	0.206		
Silver	6020	0.0027	0.0005	5	01/04/05	1/12/05	0.1710		
Thallium	6020	0.0027	0.0003	5	01/04/05	1/12/05	0.0005	B	
Vanadium	6010B	0.13	0.09	1	01/04/05	1/7/05	0.14		
Zinc	6010B	0.13	0.04	1	01/04/05	1/7/05	28.3		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 09/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-SC-EM-comp-1

Lab Code: K2409451-048

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0089	0.0009	5	01/04/05	1/12/05	0.0010	B	
Arsenic	6020	0.089	0.005	5	01/04/05	1/12/05	2.470		
Cadmium	6020	0.0036	0.0009	5	01/04/05	1/12/05	0.0169		
Chromium	6010B	0.09	0.05	1	01/04/05	1/7/05	0.09	U	
Cobalt	6020	0.0036	0.0004	5	01/04/05	1/12/05	0.0156		
Copper	6020	0.018	0.013	5	01/04/05	1/12/05	5.340		
Lead	6020	0.0036	0.0013	5	01/04/05	1/12/05	0.0131		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.051		
Molybdenum	6020	0.0089	0.0005	5	01/04/05	1/12/05	0.0155		
Nickel	6020	0.036	0.005	5	01/04/05	1/12/05	0.048		
Selenium	7742	0.018	0.011	2	01/04/05	1/7/05	0.190		
Silver	6020	0.0036	0.0007	5	01/04/05	1/12/05	0.0560		
Thallium	6020	0.0036	0.0004	5	01/04/05	1/12/05	0.0036	U	
Vanadium	6010B	0.18	0.13	1	01/04/05	1/7/05	0.18	U	
Zinc	6010B	0.18	0.05	1	01/04/05	1/7/05	33.4		

% Solids: NA

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 09/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-SC-EM-comp-2

Lab Code: K2409451-049

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0068	0.0007	5	01/04/05	1/12/05	0.0009	B	
Arsenic	6020	0.068	0.004	5	01/04/05	1/12/05	1.670		
Cadmium	6020	0.0027	0.0007	5	01/04/05	1/12/05	0.0334		
Chromium	6010B	0.07	0.04	1	01/04/05	1/7/05	0.07	U	
Cobalt	6020	0.0027	0.0003	5	01/04/05	1/12/05	0.0169		
Copper	6020	0.014	0.009	5	01/04/05	1/12/05	5.360		
Lead	6020	0.0027	0.0009	5	01/04/05	1/12/05	0.0182		
Mercury	7471A	0.004	0.001	1	1/13/05	1/17/05	0.023		
Molybdenum	6020	0.0068	0.0004	5	01/04/05	1/12/05	0.0171		
Nickel	6020	0.027	0.004	5	01/04/05	1/12/05	0.047		
Selenium	7742	0.014	0.008	2	01/04/05	1/7/05	0.163		
Silver	6020	0.0027	0.0005	5	01/04/05	1/12/05	0.0593		
Thallium	6020	0.0027	0.0003	5	01/04/05	1/12/05	0.0027	U	
Vanadium	6010B	0.14	0.09	1	01/04/05	1/7/05	0.14	U	
Zinc	6010B	0.14	0.04	1	01/04/05	1/7/05	26.1		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 09/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-SC-EM-comp-3

Lab Code: K2409451-050

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0079	0.0008	5	01/04/05	1/12/05	0.0079	U	
Arsenic	6020	0.079	0.005	5	01/04/05	1/12/05	2.000		
Cadmium	6020	0.0032	0.0008	5	01/04/05	1/12/05	0.0180		
Chromium	6010B	0.08	0.05	1	01/04/05	1/7/05	0.08	U	
Cobalt	6020	0.0032	0.0003	5	01/04/05	1/12/05	0.0130		
Copper	6020	0.016	0.011	5	01/04/05	1/12/05	4.430		
Lead	6020	0.0032	0.0011	5	01/04/05	1/12/05	0.0145		
Mercury	7471A	0.003	0.001	1	1/13/05	1/17/05	0.042		
Molybdenum	6020	0.0079	0.0005	5	01/04/05	1/12/05	0.0136		
Nickel	6020	0.032	0.005	5	01/04/05	1/12/05	0.035		
Selenium	7742	0.016	0.010	2	01/04/05	1/7/05	0.192		
Silver	6020	0.0032	0.0006	5	01/04/05	1/12/05	0.0520		
Thallium	6020	0.0032	0.0003	5	01/04/05	1/12/05	0.0032	U	
Vanadium	6010B	0.16	0.11	1	01/04/05	1/7/05	0.16	U	
Zinc	6010B	0.16	0.05	1	01/04/05	1/7/05	31.2		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 09/03/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-SC-HP-comp-1

Lab Code: K2409451-051

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0057	0.0006	5	01/04/05	1/12/05	0.0025	B	
Arsenic	6020	0.057	0.003	5	01/04/05	1/12/05	2.230		
Cadmium	6020	0.0023	0.0006	5	01/04/05	1/12/05	0.2700		
Chromium	6010B	0.06	0.03	1	01/04/05	1/7/05	0.06	U	
Cobalt	6020	0.0023	0.0002	5	01/04/05	1/12/05	0.0836		
Copper	6020	0.012	0.008	5	01/04/05	1/12/05	12.4		
Lead	6020	0.0023	0.0008	5	01/04/05	1/12/05	0.0718		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.020		
Molybdenum	6020	0.0057	0.0003	5	01/04/05	1/12/05	0.0711		
Nickel	6020	0.023	0.003	5	01/04/05	1/12/05	0.092		
Selenium	7742	0.012	0.007	2	01/04/05	1/7/05	0.175		
Silver	6020	0.0023	0.0005	5	01/04/05	1/12/05	0.1120		
Thallium	6020	0.0023	0.0002	5	01/04/05	1/12/05	0.0004	B	
Vanadium	6010B	0.12	0.08	1	01/04/05	1/7/05	0.12		
Zinc	6010B	0.12	0.03	1	01/04/05	1/7/05	24.4		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/31/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-M-DC-EM-comp-1

Lab Code: K2409451-052

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0106	0.0011	5	01/04/05	1/12/05	0.0037	B	
Arsenic	6020	0.106	0.006	5	01/04/05	1/12/05	6.780		
Cadmium	6020	0.0042	0.0011	5	01/04/05	1/12/05	0.0295		
Chromium	6010B	0.11	0.06	1	01/04/05	1/7/05	0.11	U	
Cobalt	6020	0.0042	0.0004	5	01/04/05	1/12/05	0.0736		
Copper	6020	0.021	0.015	5	01/04/05	1/12/05	8.740		
Lead	6020	0.0042	0.0015	5	01/04/05	1/12/05	0.0181		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.045		
Molybdenum	6020	0.0106	0.0006	5	01/04/05	1/12/05	0.0168		
Nickel	6020	0.042	0.006	5	01/04/05	1/12/05	0.042	B	
Selenium	7742	0.021	0.013	2	01/04/05	1/7/05	0.175		
Silver	6020	0.0042	0.0008	5	01/04/05	1/12/05	0.1460		
Thallium	6020	0.0042	0.0004	5	01/04/05	1/12/05	0.0042	U	
Vanadium	6010B	0.21	0.15	1	01/04/05	1/7/05	0.21	U	
Zinc	6010B	0.21	0.06	1	01/04/05	1/7/05	36.9		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: 08/31/04

Project Name: LDW

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-M-DC-HP-comp-1

Lab Code: K2409451-053

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0122	0.0012	5	01/04/05	1/12/05	0.0083	B	
Arsenic	6020	0.122	0.007	5	01/04/05	1/12/05	4.140		
Cadmium	6020	0.0049	0.0012	5	01/04/05	1/12/05	0.7880		
Chromium	6010B	0.12	0.07	1	01/04/05	1/7/05	0.16		
Cobalt	6020	0.0049	0.0005	5	01/04/05	1/12/05	0.3250		
Copper	6020	0.024	0.017	5	01/04/05	1/12/05	17.5		
Lead	6020	0.0049	0.0017	5	01/04/05	1/12/05	0.0593		
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.036		
Molybdenum	6020	0.0122	0.0007	5	01/04/05	1/12/05	0.1310		
Nickel	6020	0.049	0.007	5	01/04/05	1/12/05	0.284		
Selenium	7742	0.024	0.015	2	01/04/05	1/7/05	0.249		
Silver	6020	0.0049	0.0010	5	01/04/05	1/12/05	0.3030		
Thallium	6020	0.0049	0.0005	5	01/04/05	1/12/05	0.0005	B	
Vanadium	6010B	0.24	0.17	1	01/04/05	1/7/05	0.24	U	
Zinc	6010B	0.24	0.07	1	01/04/05	1/7/05	22.7		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: NA

Project Name: LDW

Date Received: NA

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: Method Blank

Lab Code: K2409451-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0150	0.0015	5	12/21/04	1/7/05	0.0150	U	
Arsenic	6020	0.150	0.009	5	12/21/04	1/7/05	0.150	U	
Cadmium	6020	0.0060	0.0015	5	12/21/04	1/7/05	0.0060	U	
Chromium	6010B	0.15	0.09	1	12/21/04	1/7/05	0.15	U	
Cobalt	6020	0.0060	0.0006	5	12/21/04	1/7/05	0.0060	U	
Copper	6020	0.030	0.021	5	12/21/04	1/7/05	0.030	U	
Lead	6020	0.0060	0.0021	5	12/21/04	1/7/05	0.0060	U	
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.004	U	
Molybdenum	6020	0.0150	0.0009	5	12/21/04	1/7/05	0.0053	B	
Nickel	6020	0.060	0.009	5	12/21/04	1/7/05	0.060	U	
Selenium	7742	0.030	0.018	2	12/21/04	1/7/05	0.030	U	
Silver	6020	0.0060	0.0012	5	12/21/04	1/7/05	0.0060	U	
Thallium	6020	0.0060	0.0006	5	12/21/04	1/7/05	0.0060	U	
Vanadium	6010B	0.30	0.21	1	12/21/04	1/7/05	0.30	U	
Zinc	6010B	0.30	0.09	1	12/21/04	1/7/05	0.30	U	

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: NA

Project Name: LDW

Date Received: NA

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: Method Bank

Lab Code: K2409451-MB2

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0150	0.0015	5	01/04/05	1/7/05	0.0150	U	
Arsenic	6020	0.150	0.009	5	01/04/05	1/7/05	0.150	U	
Cadmium	6020	0.0060	0.0015	5	01/04/05	1/7/05	0.0060	U	
Chromium	6010B	0.15	0.09	1	01/04/05	1/7/05	0.15	U	
Cobalt	6020	0.0060	0.0006	5	01/04/05	1/7/05	0.0060	U	
Copper	6020	0.030	0.021	5	01/04/05	1/7/05	0.030	U	
Lead	6020	0.0060	0.0021	5	01/04/05	1/7/05	0.0060	U	
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.002	B	
Molybdenum	6020	0.0150	0.0009	5	01/04/05	1/7/05	0.0150	U	
Nickel	6020	0.060	0.009	5	01/04/05	1/7/05	0.060	U	
Selenium	7742	0.030	0.018	2	01/04/05	1/7/05	0.030	U	
Silver	6020	0.0060	0.0012	5	01/04/05	1/7/05	0.0060	U	
Thallium	6020	0.0060	0.0006	5	01/04/05	1/7/05	0.0060	U	
Vanadium	6010B	0.30	0.21	1	01/04/05	1/7/05	0.30	U	
Zinc	6010B	0.30	0.09	1	01/04/05	1/7/05	0.30	U	

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409451

Project No.: 04-08-06-22

Date Collected: NA

Project Name: LDW

Date Received: NA

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: Method Blank

Lab Code: K2409451-MB3

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0150	0.0015	5	01/04/05	1/12/05	0.0150	U	
Arsenic	6020	0.150	0.009	5	01/04/05	1/12/05	0.150	U	
Cadmium	6020	0.0060	0.0015	5	01/04/05	1/12/05	0.0060	U	
Chromium	6010B	0.15	0.09	1	01/04/05	1/7/05	0.15	U	
Cobalt	6020	0.0060	0.0006	5	01/04/05	1/12/05	0.0060	U	
Copper	6020	0.030	0.021	5	01/04/05	1/12/05	0.030	U	
Lead	6020	0.0060	0.0021	5	01/04/05	1/12/05	0.0060	U	
Mercury	7471A	0.004	0.002	1	1/13/05	1/17/05	0.002	B	
Molybdenum	6020	0.0150	0.0009	5	01/04/05	1/12/05	0.0026	B	
Nickel	6020	0.060	0.009	5	01/04/05	1/12/05	0.020	B	
Selenium	7742	0.030	0.018	2	01/04/05	1/7/05	0.030	U	
Silver	6020	0.0060	0.0012	5	01/04/05	1/12/05	0.0060	U	
Thallium	6020	0.0060	0.0006	5	01/04/05	1/12/05	0.0060	U	
Vanadium	6010B	0.30	0.21	1	01/04/05	1/7/05	0.30	U	
Zinc	6010B	0.30	0.09	1	01/04/05	1/7/05	0.30	U	

% Solids: NA

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Winward Environmental
Project: LDW/04-08-06-22
LCS Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/04
Date Analyzed: 1/7/05

Laboratory Control Sample Summary
Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K2409451-LCS1
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Source: N.R.C.C. Dorm-2

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	Control Limits	Result Notes
Arsenic	PSEP Tissue	6020	18	17.2	96	13.5-22.9	
Chromium	PSEP Tissue	6010B	34.7	32.6	94	23.4-48.2	
Cobalt	PSEP Tissue	6020	0.182	0.163	90	0.121-0.256	
Copper	PSEP Tissue	6020	2.34	1.9	81	1.74-3.00	
Lead	PSEP Tissue	6020	0.065	0.044	68	0.020-0.091	
Nickel	PSEP Tissue	6020	19.4	15.5	80	13.0-27.0	
Silver	PSEP Tissue	6020	0.041	0.033	80	0.0224-0.0648	
Zinc	PSEP Tissue	6010B	25.6	26.1	102	20.3-31.0	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Winward Environmental
Project: LDW/04-08-06-22
LCS Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/04-1/13/05
Date Analyzed: 1/7-18/05

Laboratory Control Sample Summary
 Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K2409451-LCS2
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Source: N.R.C.C. Dolt-3

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	Control Limits	Result Notes
Arsenic	PSEP Tissue	6020	10.2	10.8	106	7.76-12.8	
Cadmium	PSEP Tissue	6020	19.4	20.6	106	15.0-24.0	
Copper	PSEP Tissue	6020	31.2	33.8	108	24.2-38.6	
Lead	PSEP Tissue	6020	0.319	0.364	114	0.219-0.437	
Mercury	METHOD	7471A	3.37	3.27	97	2.58-4.21	
Nickel	PSEP Tissue	6020	2.72	3.73	137	1.90-3.68	X
Selenium	PSEP Tissue	7740	7.06	5.62	80	5.26-9.05	
Silver	PSEP Tissue	6020	1.2	1.28	107	0.90-1.52	
Zinc	PSEP Tissue	6010B	86.6	94	109	67.4-107	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Winward Environmental
Project: LDW/04-08-06-22
LCS Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/04
Date Analyzed: 1/7/05

Laboratory Control Sample Summary
 Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K2409451-LCS3
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Source: N.R.C.C. Dorm-2

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	Control Limits	Result Notes
Arsenic	PSEP Tissue	6020	18	17.2	96	13.5-22.9	
Chromium	PSEP Tissue	6010B	34.7	34.4	99	23.4-48.2	
Cobalt	PSEP Tissue	6020	0.182	0.178	98	0.121-0.256	
Copper	PSEP Tissue	6020	2.34	1.95	83	1.74-3.00	
Lead	PSEP Tissue	6020	0.065	0.05	77	0.020-0.091	
Nickel	PSEP Tissue	6020	19.4	16.3	84	13.0-27.0	
Silver	PSEP Tissue	6020	0.041	0.031	76	0.0224-0.0648	
Zinc	PSEP Tissue	6010B	25.6	24.0	94	20.3-31.0	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Winward Environmental
Project: LDW/04-08-06-22
LCS Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/04-1/13/05
Date Analyzed: 1/7-18/05

Laboratory Control Sample Summary
Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K2409451-LCS4
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Source: N.R.C.C. Dolt-3

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	Control Limits	Result Notes
Arsenic	PSEP Tissue	6020	10.2	9.62	94	7.76-12.8	
Cadmium	PSEP Tissue	6020	19.4	19.0	98	15.0-24.0	
Copper	PSEP Tissue	6020	31.2	30.6	98	24.2-38.6	
Lead	PSEP Tissue	6020	0.319	0.352	110	0.219-0.437	
Mercury	METHOD	7471A	3.37	3.21	95	2.58-4.21	
Nickel	PSEP Tissue	6020	2.72	3.14	115	1.90-3.68	
Selenium	PSEP Tissue	7740	7.06	6.78	96	5.26-9.05	
Silver	PSEP Tissue	6020	1.2	1.18	98	0.90-1.52	
Zinc	PSEP Tissue	6010B	86.6	98.2	113	67.4-107	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Winward Environmental
Project: LDW/04-08-06-22
LCS Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/04
Date Analyzed: 1/7/05

Laboratory Control Sample Summary
 Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K2409451-LCS5
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Source: N.R.C.C. Dorm-2

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	Control Limits	Result Notes
Arsenic	PSEP Tissue	6020	18	19.3	107	13.5-22.9	
Chromium	PSEP Tissue	6010B	34.7	32.9	95	23.4-48.2	
Cobalt	PSEP Tissue	6020	0.182	0.187	103	0.121-0.256	
Copper	PSEP Tissue	6020	2.34	2.08	89	1.74-3.00	
Lead	PSEP Tissue	6020	0.065	0.058	89	0.020-0.091	
Nickel	PSEP Tissue	6020	19.4	17.3	89	13.0-27.0	
Silver	PSEP Tissue	6020	0.041	0.038	93	0.0224-0.0648	
Zinc	PSEP Tissue	6010B	25.6	29.2	114	20.3-31.0	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Winward Environmental
Project: LDW/04-08-06-22
LCS Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/04-1/13/05
Date Analyzed: 1/7-18/05

Laboratory Control Sample Summary
 Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K2409451-LCS6
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Source: N.R.C.C. Dolt-3

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	Control Limits	Result Notes
Arsenic	PSEP Tissue	6020	10.2	10.9	107	7.76-12.8	
Cadmium	PSEP Tissue	6020	19.4	20.9	108	15.0-24.0	
Copper	PSEP Tissue	6020	31.2	33.6	108	24.2-38.6	
Lead	PSEP Tissue	6020	0.319	0.378	118	0.219-0.437	
Mercury	METHOD	7471A	3.37	3.45	102	2.58-4.21	
Nickel	PSEP Tissue	6020	2.72	4.4	162	1.90-3.68	X
Selenium	PSEP Tissue	7740	7.06	6.69	95	5.26-9.05	
Silver	PSEP Tissue	6020	1.2	1.27	106	0.90-1.52	
Zinc	PSEP Tissue	6010B	86.6	98.3	114	67.4-107	

Butyltins

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T1-A-SS-WB-comp-1
Lab Code: K2409451-001
File ID: J:\GC26\DATA\121704\1217F054.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	49		1.5	0.47	
1002-53-5	Di-n-butyltin	12		1.5	0.50	
2406-65-7	n-Butyltin	2.4		1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	86	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T1-B-SS-WB-comp-1
Lab Code: K2409451-002
File ID: J:\GC26\DATA\121704\1217F055.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	47		1.5	0.47	
1002-53-5	Di-n-butyltin	10		1.5	0.50	
2406-65-7	n-Butyltin	2.4		1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	87	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T1-C-SS-WB-comp-1
Lab Code: K2409451-003
File ID: J:\GC26\DATA\121704\1217F056.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	44		1.5	0.47	
1002-53-5	Di-n-butyltin	11		1.5	0.50	
2406-65-7	n-Butyltin	2.9		1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	81	20-130	12/18/04	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T1-D-SS-WB-comp-1
Lab Code: K2409451-004
File ID: J:\GC26\DATA\121704\1217F057.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	53		1.5	0.48	
1002-53-5	Di-n-butyltin	11		1.5	0.50	
2406-65-7	n-Butyltin	2.9		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	84	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T1-E-SS-WB-comp-1
Lab Code: K2409451-005
File ID: J:\GC26\DATA\121704\1217F058.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.05 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	46		1.5	0.47	
1002-53-5	Di-n-butyltin	12		1.5	0.50	
2406-65-7	n-Butyltin	2.9		1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	85	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T1-F-SS-WB-comp-1
Lab Code: K2409451-006
File ID: J:\GC26\DATA\121704\1217F059.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	54		1.5	0.47	
1002-53-5	Di-n-butyltin	14		1.5	0.50	
2406-65-7	n-Butyltin	3.4		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	87	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T2-A-SS-WB-comp-1
Lab Code: K2409451-007
File ID: J:\GC26\DATA\121704\1217F060.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	58		1.5	0.47	
1002-53-5	Di-n-butyltin	17		1.5	0.50	
2406-65-7	n-Butyltin	4.0		1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	86	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T2-B-SS-WB-comp-1
Lab Code: K2409451-008
File ID: J:\GC26\DATA\121704\1217F061.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	51		1.5	0.48	
1002-53-5	Di-n-butyltin	13		1.5	0.50	
2406-65-7	n-Butyltin	2.7		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	90	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T2-C-SS-WB-comp-1
Lab Code: K2409451-009
File ID: J:\GC26\DATA\121704\1217F065.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	50		1.5	0.48	
1002-53-5	Di-n-butyltin	12		1.5	0.50	
2406-65-7	n-Butyltin	3.9		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	80	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T2-D-SS-WB-comp-1
Lab Code: K2409451-010
File ID: J:\GC26\DATA\121704\1217F066.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	56		1.5	0.48	
1002-53-5	Di-n-butyltin	13		1.5	0.50	
2406-65-7	n-Butyltin	3.2		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	92	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T2-E-SS-WB-comp-1
Lab Code: K2409451-011
File ID: J:\GC26\DATA\121704\1217F067.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.06 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	47		1.5	0.47	
1002-53-5	Di-n-butyltin	11		1.5	0.50	
2406-65-7	n-Butyltin	2.8		1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	86	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T2-F-SS-WB-comp-1
Lab Code: K2409451-012
File ID: J:\GC26\DATA\121704\1217F068.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	49		1.5	0.47	
1002-53-5	Di-n-butyltin	11		1.5	0.50	
2406-65-7	n-Butyltin	3.0		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	93	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T3-A-SS-WB-comp-1
Lab Code: K2409451-013
File ID: J:\GC26\DATA\121704\1217F070.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	42		1.5	0.47	
1002-53-5	Di-n-butyltin	9.2		1.5	0.50	
2406-65-7	n-Butyltin	2.2		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	86	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T3-B-SS-WB-comp-1
Lab Code: K2409451-014
File ID: J:\GC26\DATA\121704\1217F071.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.07 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	33		1.5	0.47	
1002-53-5	Di-n-butyltin	7.3		1.5	0.50	
2406-65-7	n-Butyltin	1.1	J	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	80	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T3-C-SS-WB-comp-1
Lab Code: K2409451-015
File ID: J:\GC26\DATA\121704\1217F072.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.05 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	37		1.5	0.47	
1002-53-5	Di-n-butyltin	8.6	P	1.5	0.50	
2406-65-7	n-Butyltin	2.0		1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	88	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T3-D-SS-WB-comp-1
Lab Code: K2409451-016
File ID: J:\GC26\DATA\121704\1217F073.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	40		1.5	0.48	
1002-53-5	Di-n-butyltin	8.7		1.5	0.50	
2406-65-7	n-Butyltin	1.8		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	93	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T3-E-SS-WB-comp-1
Lab Code: K2409451-017
File ID: J:\GC26\DATA\122704\1227F008.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	41		1.5	0.48	
1002-53-5	Di-n-butyltin	7.9		1.5	0.50	
2406-65-7	n-Butyltin	1.7		1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	32	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T3-F-SS-WB-comp-1
Lab Code: K2409451-018
File ID: J:\GC26\DATA\122704\1227F009.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	39		1.5	0.48	
1002-53-5	Di-n-butyltin	7.6		1.5	0.50	
2406-65-7	n-Butyltin	0.92	J	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	41	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T4-A-SS-WB-comp-1
Lab Code: K2409451-019
File ID: J:\GC26\DATA\122704\1227F010.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	43		1.5	0.48	
1002-53-5	Di-n-butyltin	8.7		1.5	0.50	
2406-65-7	n-Butyltin	1.8		1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	37	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T4-B-SS-WB-comp-1
Lab Code: K2409451-020
File ID: J:\GC26\DATA\122704\1227F011.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	47		1.5	0.48	
1002-53-5	Di-n-butyltin	10		1.5	0.50	
2406-65-7	n-Butyltin	2.7		1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	37	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T4-B-SS-WB-comp-2
Lab Code: K2409451-021
File ID: J:\GC26\DATA\122704\1227F012.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	43		1.5	0.47	
1002-53-5	Di-n-butyltin	7.7		1.5	0.50	
2406-65-7	n-Butyltin	0.75	J	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	41	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T4-C-SS-WB-comp-1
Lab Code: K2409451-022
File ID: J:\GC26\DATA\122704\1227F013.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	45		1.5	0.47	
1002-53-5	Di-n-butyltin	9.2		1.5	0.50	
2406-65-7	n-Butyltin	1.5	J	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	38	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T4-C-SS-WB-comp-2
Lab Code: K2409451-023
File ID: J:\GC26\DATA\122704\1227F014.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	45		1.5	0.47	
1002-53-5	Di-n-butyltin	9.0		1.5	0.50	
2406-65-7	n-Butyltin	1.9		1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	38	20-130	12/27/04	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T4-D-SS-WB-comp-1
Lab Code: K2409451-024
File ID: J:\GC26\DATA\122704\1227F015.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	35		1.5	0.47	
1002-53-5	Di-n-butyltin	6.8		1.5	0.50	
2406-65-7	n-Butyltin	1.6		1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	41	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T3-M-ES-FL-comp-2
Lab Code: K2409451-025
File ID: J:\GC26\DATA\122704\1227F016.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5		1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	35	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T1-M-ES-WB-comp-1
Lab Code: K2409451-026
File ID: J:\GC26\DATA\122704\1227F021.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	7.9		1.5	0.48	
1002-53-5	Di-n-butyltin	4.0		1.5	0.50	
2406-65-7	n-Butyltin	0.95	J	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	39	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T1-M-ES-WB-comp-2
Lab Code: K2409451-027
File ID: J:\GC26\DATA\122704\1227F022.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.05 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.47	
1002-53-5	Di-n-butyltin	1.9		1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	41	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T1-M-ES-WB-comp-3
Lab Code: K2409451-028
File ID: J:\GC26\DATA\122704\1227F023.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.9	Ui	1.9	1.9	
1002-53-5	Di-n-butyltin	0.89	J	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	30	20-130	12/27/04	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T1-M-ES-WB-comp-4
Lab Code: K2409451-029
File ID: J:\GC26\DATA\122704\1227F024.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	8.7	P	1.5	0.47	
1002-53-5	Di-n-butyltin	1.1	J	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	28	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T1-M-ES-WB-comp-5
Lab Code: K2409451-030
File ID: J:\GC26\DATA\122704\1227F025.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	9.9	P	1.5	0.48	
1002-53-5	Di-n-butyltin	1.9	P	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	36	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T1-M-ES-WB-comp-6
Lab Code: K2409451-031
File ID: J:\GC26\DATA\122704\1227F026.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	9.9	P	1.5	0.48	
1002-53-5	Di-n-butyltin	0.90	J	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	31	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-ES-WB-comp-1
Lab Code: K2409451-032
File ID: J:\GC26\DATA\122704\1227F027.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	7	20-130	12/28/04	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-ES-WB-comp-2
Lab Code: K2409451-033
File ID: J:\GC26\DATA\122704\1227F028.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	2.1	Ui	2.1	2.1	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	16	20-130	12/28/04	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-ES-WB-comp-3
Lab Code: K2409451-034
File ID: J:\GC26\DATA\122704\1227F029.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.5	Ui	1.5	1.5	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	16	20-130	12/28/04	Outside Control Limits

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T4-M-ES-WB-comp-2
Lab Code: K2409451-035
File ID: J:\GC26\DATA\122704\1227F033.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5 U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.9 Ui	1.9	1.9	
1002-53-5	Di-n-butyltin	0.53 J	1.5	0.50	
2406-65-7	n-Butyltin	1.5 U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	24	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T1-M-SC-EM-comp-1
Lab Code: K2409451-036
File ID: J:\GC26\DATA\122704\1227F034.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	31	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T1-M-SC-EM-comp-2
Lab Code: K2409451-037
File ID: J:\GC26\DATA\122704\1227F039.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	27	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T1-M-SC-EM-comp-3
Lab Code: K2409451-038
File ID: J:\GC26\DATA\122704\1227F040.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	20	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T1-M-SC-HP-comp-1
Lab Code: K2409451-039
File ID: J:\GC26\DATA\122704\1227F041.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	0.85	J	1.5	0.50	
2406-65-7	n-Butyltin	1.4	J	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	40	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-SC-EM-comp-1
Lab Code: K2409451-040
File ID: J:\GC26\DATA\122704\1227F042.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	27	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-SC-EM-comp-2
Lab Code: K2409451-041
File ID: J:\GC26\DATA\122704\1227F043.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.05 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	28	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-SC-EM-comp-3
Lab Code: K2409451-042
File ID: J:\GC26\DATA\122704\1227F044.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	27	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-SC-HP-comp-1
Lab Code: K2409451-043
File ID: J:\GC26\DATA\122704\1227F048.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	1.4	J	1.5	0.50	
2406-65-7	n-Butyltin	1.5		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	47	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-SC-EM-comp-4
Lab Code: K2409451-044
File ID: J:\GC26\DATA\122704\1227F049.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	27	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-SC-EM-comp-5
Lab Code: K2409451-045
File ID: J:\GC26\DATA\122704\1227F050.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	28	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-SC-EM-comp-6
Lab Code: K2409451-046
File ID: J:\GC26\DATA\122704\1227F051.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	23	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-SC-HP-comp-2
Lab Code: K2409451-047
File ID: J:\GC26\DATA\122704\1227F053.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	0.50	J	1.5	0.48	
1002-53-5	Di-n-butyltin	1.2	J	1.5	0.50	
2406-65-7	n-Butyltin	1.4	J	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	51	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T3-M-SC-EM-comp-1
Lab Code: K2409451-048
File ID: J:\GC26\DATA\122704\1227F054.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	31	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T3-M-SC-EM-comp-2
Lab Code: K2409451-049
File ID: J:\GC26\DATA\122704\1227F055.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	41	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T3-M-SC-EM-comp-3
Lab Code: K2409451-050
File ID: J:\GC26\DATA\122704\1227F059.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	34	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T3-M-SC-HP-comp-1
Lab Code: K2409451-051
File ID: J:\GC26\DATA\122704\1227F060.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	0.55	J	1.5	0.48	
1002-53-5	Di-n-butyltin	1.4	J	1.5	0.50	
2406-65-7	n-Butyltin	1.3	J	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	48	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T4-M-DC-EM-comp-1
Lab Code: K2409451-052
File ID: J:\GC26\DATA\122704\1227F061.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	0.81	J	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	33	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T4-M-DC-HP-comp-1
Lab Code: K2409451-053
File ID: J:\GC26\DATA\122704\1227F062.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	38		1.5	0.47	
1002-53-5	Di-n-butyltin	9.1		1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	46	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T2-F-SS-WB-comp-1DUP
Lab Code: KWG0419735-1
File ID: J:\GC26\DATA\121704\1217F069.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	49		1.5	0.47	
1002-53-5	Di-n-butyltin	11		1.5	0.50	
2406-65-7	n-Butyltin	2.7		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	76	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: LDW-T3-M-ES-FL-comp-2DUP
Lab Code: KWG0419928-1
File ID: J:\GC26\DATA\122704\1227F020.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.7		1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	37	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: LDW-T2-M-SC-EM-comp-6DUP
Lab Code: KWG0419931-1
File ID: J:\GC26\DATA\122704\1227F052.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	29	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: Method Blank
Lab Code: KWG0419735-4
File ID: J:\GC26\DATA\121704\1217F043.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 10.07 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	1.0	U	1.0	0.33	
1002-53-5	Di-n-butyltin	1.0	U	1.0	0.35	
2406-65-7	n-Butyltin	1.0	U	1.0	0.38	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	75	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: Method Blank
Lab Code: KWG0419928-4
File ID: J:\GC26\DATA\122704\1227F004.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	36	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: Method Blank
Lab Code: KWG0419931-4
File ID: J:\GC26\DATA\122704\1227F035.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	44	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: Lab Control Sample
Lab Code: KWG0419735-2
File ID: J:\GC26\DATA\121704\1217F044.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 10.07 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	17.1		1.0	0.38	
688-73-3	Tri-n-butyltin	15.3		1.0	0.33	
1002-53-5	Di-n-butyltin	13.9		1.0	0.35	
2406-65-7	n-Butyltin	8.49		1.0	0.38	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	69	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419735-3
File ID: J:\GC26\DATA\121704\1217F045.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419735
Calibration ID: CAL3996

Sample Amount: 10.07 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	16.2		1.0	0.38	
688-73-3	Tri-n-butyltin	14.3		1.0	0.33	
1002-53-5	Di-n-butyltin	13.5		1.0	0.35	
2406-65-7	n-Butyltin	8.00		1.0	0.38	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	69	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: Lab Control Sample
Lab Code: KWG0419928-2
File ID: J:\GC26\DATA\122704\1227F005.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	21.7		1.5	0.55	
688-73-3	Tri-n-butyltin	20.3		1.5	0.48	
1002-53-5	Di-n-butyltin	19.0		1.5	0.50	
2406-65-7	n-Butyltin	11.2		1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	31	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 12/27/2004

Butyltins (as cation)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419928-3
File ID: J:\GC26\DATA\122704\1227F006.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419928
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	24.4	1.5	0.55	
688-73-3	Tri-n-butyltin	21.3	1.5	0.48	
1002-53-5	Di-n-butyltin	16.8	1.5	0.50	
2406-65-7	n-Butyltin	9.40	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	32	20-130	12/27/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: Lab Control Sample
Lab Code: KWG0419931-2
File ID: J:\GC26\DATA\122704\1227F036.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	23.2		1.5	0.55	
688-73-3	Tri-n-butyltin	23.2		1.5	0.48	
1002-53-5	Di-n-butyltin	21.1		1.5	0.50	
2406-65-7	n-Butyltin	13.3		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	35	20-130	12/28/04	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/2004
Date Analyzed: 12/28/2004

Butyltins (as cation)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419931-3
File ID: J:\GC26\DATA\122704\1227F037.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419931
Calibration ID: CAL3996

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	23.7		1.5	0.55	
688-73-3	Tri-n-butyltin	23.2		1.5	0.48	
1002-53-5	Di-n-butyltin	21.4		1.5	0.50	
2406-65-7	n-Butyltin	13.0		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	39	20-130	12/28/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Windward Environmental
Project: LDW/04-08-06-22
Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2005
Date Analyzed: 1/12/2005

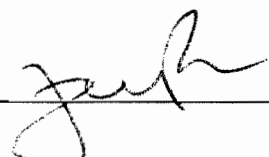
Standard Reference Material
Butyltins

Sample Name: CRM 477
Lab Code: KWG0419928-5
Test Notes:

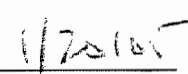
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Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Tri-n-butyltin Cation	Method	Krone	2200 ± 190	1200	1000-3600	
Di-n-butyltin Cation	Method	Krone	1540 ± 120	900	710-2500	
n-butyltin Cation	Method	Krone	1500 ± 280	1300	610-2700	

Approved By: _____



Date: _____



LCS (44)/091898p

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Windward Environmental
Project: LDW/04-08-06-22
Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2005
Date Analyzed: 12/18/2005

Standard Reference Material
Butyltins

Sample Name: CRM 477
Lab Code: KWG0419735-5
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Tri-n-butyltin Cation	Method	Krone	2200 ± 190	1300	1000-3600	
Di-n-butyltin Cation	Method	Krone	1540 ± 120	1000	710-2500	
n-butyltin Cation	Method	Krone	1500 ± 280	1400	610-2700	

Approved By: _____

Date: _____

LCS (44)091898p
09451SVG.mll - srm (2) 1/18/2005

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Windward Environmental
Project: LDW/04-08-06-22
Matrix: Tissue

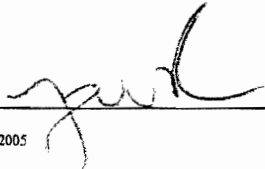
Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/2005
Date Analyzed: 1/12/2005

Standard Reference Material
Butyltins

Sample Name: CRM 477
Lab Code: KWG0419931-5
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Tri-n-butyltin Cation	Method	Krone	2200 ± 190	1300	1000-3600	
Di-n-butyltin Cation	Method	Krone	1540 ± 120	990	710-2500	
n-butyltin Cation	Method	Krone	1500 ± 280	1100	610-2700	

Approved By: Date: 1/20/05

LCS (44)/091898p
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Page No.:

Organochlorine Pesticides
EPA Method 8081

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-A-SS-WB-comp-1
Lab Code: K2409451-001
File ID: J:\GC23\DATA\010705\0107F020.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.8 Ui	1.8	1.8	
319-84-6	alpha-BHC	1.5 U	1.5	0.23	
319-85-7	beta-BHC	7.4	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5 Ui	1.5	0.83	
319-86-8	delta-BHC	1.5 Ui	1.5	1.5	
76-44-8	Heptachlor	5.6 Ui	5.6	5.6	
309-00-2	Aldrin	1.5 Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	1.5 Ui	1.5	1.5	
5103-74-2	gamma-Chlordane†	12	1.5	0.20	
959-98-8	Endosulfan I	1.5 U	1.5	0.19	
5103-71-9	alpha-Chlordane	2.3 P	1.5	0.52	
60-57-1	Dieldrin	1.5 Ui	1.5	1.5	
72-55-9	4,4'-DDE	6.9 P	1.5	0.18	
72-20-8	Endrin	2.2	1.5	0.15	
33213-65-9	Endosulfan II	8.9 P	1.5	0.50	
72-54-8	4,4'-DDD	3.8	1.5	0.19	
7421-93-4	Endrin Aldehyde	1.5 Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5 U	1.5	0.39	
50-29-3	4,4'-DDT	29	1.5	0.55	
53494-70-5	Endrin Ketone	1.5 Ui	1.5	1.5	
72-43-5	Methoxychlor	2.6 Ui	2.6	2.6	
8001-35-2	Toxaphene	360 Ui	360	360	
3424-82-6	2,4'-DDE	4.5 Ui	4.5	4.5	
53-19-0	2,4'-DDD	3.7 Ui	3.7	3.7	
789-02-6	2,4'-DDT	37 P	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-A-SS-WB-comp-1
Lab Code: K2409451-001
File ID: J:\GC23\DATA\010705\0107F020.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	30-150	01/08/05	Acceptable
Decachlorobiphenyl	67	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-B-SS-WB-comp-1
Lab Code: K2409451-002
File ID: J:\GC23\DATA\010705\0107F021.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
118-74-1	Hexachlorobenzene	1.5	Ui	1.5	1.5	
319-85-7	beta-BHC	6.2	P	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	7.8	P	1.5	0.22	
5103-74-2	gamma-Chlordane†	11		1.5	0.20	
959-98-8	Endosulfan I	1.5	Ui	1.5	1.5	
5103-71-9	alpha-Chlordane	1.8		1.5	0.52	
60-57-1	Dieldrin	1.6	Ui	1.6	1.6	
72-55-9	4,4'-DDE	7.5	P	1.5	0.18	
72-20-8	Endrin	1.6	Ui	1.6	1.6	
33213-65-9	Endosulfan II	9.7	P	1.5	0.50	
72-54-8	4,4'-DDD	3.5		1.5	0.19	
7421-93-4	Endrin Aldehyde	1.7	Ui	1.7	1.7	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	34		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	3.1	Ui	3.1	3.1	
8001-35-2	Toxaphene	400	Ui	400	400	
3424-82-6	2,4'-DDE	3.2	P	1.5	0.14	
53-19-0	2,4'-DDD	2.9	Ui	2.9	2.9	
789-02-6	2,4'-DDT	40	P	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-B-SS-WB-comp-1
Lab Code: K2409451-002
File ID: J:\GC23\DATA\010705\0107F021.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	73	30-150	01/08/05	Acceptable
Decachlorobiphenyl	67	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-C-SS-WB-comp-1
Lab Code: K2409451-003
File ID: J:\GC23\DATA\010705\0107F022.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5 Ui	1.5	1.5	
319-84-6	alpha-BHC	1.5 U	1.5	0.23	
319-85-7	beta-BHC	3.5	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5 Ui	1.5	1.5	
319-86-8	delta-BHC	1.5 Ui	1.5	1.5	
76-44-8	Heptachlor	1.6 Ui	1.6	1.6	
309-00-2	Aldrin	1.5 U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	1.5 Ui	1.5	1.5	
5103-74-2	gamma-Chlordane†	17	1.5	0.20	
959-98-8	Endosulfan I	1.5 U	1.5	0.19	
5103-71-9	alpha-Chlordane	2.2 P	1.5	0.52	
60-57-1	Dieldrin	1.5 Ui	1.5	1.5	
72-55-9	4,4'-DDE	8.6 P	1.5	0.18	
72-20-8	Endrin	1.5 Ui	1.5	1.5	
33213-65-9	Endosulfan II	3.6 Ui	3.6	3.6	
72-54-8	4,4'-DDD	5.5	1.5	0.19	
7421-93-4	Endrin Aldehyde	3.5 Ui	3.5	3.5	
1031-07-8	Endosulfan Sulfate	1.5 U	1.5	0.39	
50-29-3	4,4'-DDT	68 E	1.5	0.55	
53494-70-5	Endrin Ketone	2.5 Ui	2.5	2.5	
72-43-5	Methoxychlor	3.4 Ui	3.4	3.4	
8001-35-2	Toxaphene	610 Ui	610	610	
3424-82-6	2,4'-DDE	2.5 Ui	2.5	2.5	
53-19-0	2,4'-DDD	6.2 Ui	6.2	6.2	
789-02-6	2,4'-DDT	60 E	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-C-SS-WB-comp-1
Lab Code: K2409451-003
File ID: J:\GC23\DATA\010705\0107F022.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	85	30-150	01/08/05	Acceptable
Decachlorobiphenyl	65	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T1-C-SS-WB-comp-1DL
Lab Code: K2409451-003
File ID: J:\GC23\DATA\011205\0112F011.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	5.1	JD	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	Ui	7.2	2.2	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	Ui	7.2	5.2	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	16	Ui	16	16	
5103-74-2	gamma-Chlordane†	26	D	7.2	1.0	
959-98-8	Endosulfan I	7.2	U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	Ui	7.2	3.3	
60-57-1	Dieldrin	32	Ui	32	32	
72-55-9	4,4'-DDE	12	PD	7.2	0.86	
72-20-8	Endrin	7.2	U	7.2	0.71	
33213-65-9	Endosulfan II	7.2	Ui	7.2	4.4	
72-54-8	4,4'-DDD	6.3	JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	6.8	
1031-07-8	Endosulfan Sulfate	7.2	Ui	7.2	3.3	
50-29-3	4,4'-DDT	67	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	Ui	7.2	3.2	
72-43-5	Methoxychlor	7.2	Ui	7.2	3.4	
8001-35-2	Toxaphene	440	Ui	440	440	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	6.3	
53-19-0	2,4'-DDD	8.8	Ui	8.8	8.8	
789-02-6	2,4'-DDT	81	D	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T1-C-SS-WB-comp-1DL
Lab Code: K2409451-003
File ID: J:\GC23\DATA\011205\0112F011.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	99	30-150	01/12/05	Acceptable
Decachlorobiphenyl	80	30-150	01/12/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-D-SS-WB-comp-1
Lab Code: K2409451-004
File ID: J:\GC23\DATA\010705\0107F030.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	Ui	1.5	1.5	
319-84-6	alpha-BHC	0.46	J	1.5	0.23	
319-85-7	beta-BHC	2.4	Ui	2.4	2.4	
58-89-9	gamma-BHC (Lindane)	1.5	Ui	1.5	1.5	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	Ui	1.5	1.5	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	1.5	Ui	1.5	1.5	
5103-74-2	gamma-Chlordane†	19		1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	Ui	1.5	1.5	
60-57-1	Dieldrin	1.7	Ui	1.7	1.7	
72-55-9	4,4'-DDE	11	P	1.5	0.18	
72-20-8	Endrin	4.0	Ui	4.0	4.0	
33213-65-9	Endosulfan II	3.6	Ui	3.6	3.6	
72-54-8	4,4'-DDD	6.1		1.5	0.19	
7421-93-4	Endrin Aldehyde	3.3	Ui	3.3	3.3	
1031-07-8	Endosulfan Sulfate	1.5	Ui	1.5	0.43	
50-29-3	4,4'-DDT	76	E	1.5	0.55	
53494-70-5	Endrin Ketone	3.0	Ui	3.0	3.0	
72-43-5	Methoxychlor	3.8	Ui	3.8	3.8	
8001-35-2	Toxaphene	680	Ui	680	680	
3424-82-6	2,4'-DDE	6.8	Ui	6.8	6.8	
53-19-0	2,4'-DDD	5.1	Ui	5.1	5.1	
789-02-6	2,4'-DDT	73	PE	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-D-SS-WB-comp-1
Lab Code: K2409451-004
File ID: J:\GC23\DATA\010705\0107F030.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	30-150	01/08/05	Acceptable
Decachlorobiphenyl	69	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/05/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T1-D-SS-WB-comp-1DL
 Lab Code: K2409451-004
 File ID: J:\GC23\DATA\011205\0112F012.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.04 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 Ui	7.2	2.6	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 Ui	7.2	5.7	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	17 Ui	17	17	
5103-74-2	gamma-Chlordane†	25 D	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 Ui	7.2	3.1	
60-57-1	Dieldrin	7.2 Ui	7.2	7.2	
72-55-9	4,4'-DDE	12 PD	7.2	0.86	
72-20-8	Endrin	7.2 Ui	7.2	5.0	
33213-65-9	Endosulfan II	7.2 Ui	7.2	4.4	
72-54-8	4,4'-DDD	6.6 JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.3 Ui	7.3	7.3	
1031-07-8	Endosulfan Sulfate	7.2 Ui	7.2	3.7	
50-29-3	4,4'-DDT	72 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 Ui	7.2	4.0	
72-43-5	Methoxychlor	7.2 Ui	7.2	4.4	
8001-35-2	Toxaphene	460 Ui	460	460	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	4.0	
53-19-0	2,4'-DDD	8.5 Ui	8.5	8.5	
789-02-6	2,4'-DDT	88 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T1-D-SS-WB-comp-1DL
Lab Code: K2409451-004
File ID: J:\GC23\DATA\011205\0112F012.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	30-150	01/12/05	Acceptable
Decachlorobiphenyl	78	30-150	01/12/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-E-SS-WB-comp-1
Lab Code: K2409451-005
File ID: J:\GC23\DATA\010705\0107F031.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
118-74-1	Hexachlorobenzene	1.5	Ui	1.5	1.5	
319-85-7	beta-BHC	2.5		1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	Ui	1.5	1.5	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	1.5	Ui	1.5	1.5	
5103-74-2	gamma-Chlordane†	11		1.5	0.20	
959-98-8	Endosulfan I	1.5	Ui	1.5	1.1	
5103-71-9	alpha-Chlordane	1.3	JP	1.5	0.52	
60-57-1	Dieldrin	2.1	Ui	2.1	2.1	
72-55-9	4,4'-DDE	6.4	P	1.5	0.18	
72-20-8	Endrin	3.5	Ui	3.5	3.5	
33213-65-9	Endosulfan II	2.6	Ui	2.6	2.6	
72-54-8	4,4'-DDD	3.8	P	1.5	0.19	
7421-93-4	Endrin Aldehyde	2.5	Ui	2.5	2.5	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	31	P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	2.6	Ui	2.6	2.6	
8001-35-2	Toxaphene	400	Ui	400	400	
3424-82-6	2,4'-DDE	1.5	Ui	1.5	1.5	
53-19-0	2,4'-DDD	2.1	Ui	2.1	2.1	
789-02-6	2,4'-DDT	40		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-E-SS-WB-comp-1
Lab Code: K2409451-005
File ID: J:\GC23\DATA\010705\0107F031.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	77	30-150	01/08/05	Acceptable
Decachlorobiphenyl	70	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-F-SS-WB-comp-1
Lab Code: K2409451-006
File ID: J:\GC23\DATA\010705\0107F032.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5 Ui	1.5	1.5	
319-84-6	alpha-BHC	1.5 U	1.5	0.23	
319-85-7	beta-BHC	3.0 Ui	3.0	3.0	
58-89-9	gamma-BHC (Lindane)	1.5 U	1.5	0.40	
319-86-8	delta-BHC	1.5 Ui	1.5	1.5	
76-44-8	Heptachlor	1.7 Ui	1.7	1.7	
309-00-2	Aldrin	1.5 Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	1.5 Ui	1.5	1.5	
5103-74-2	gamma-Chlordane†	16	1.5	0.20	
959-98-8	Endosulfan I	3.2 P	1.5	0.19	
5103-71-9	alpha-Chlordane	2.0 P	1.5	0.52	
60-57-1	Dieldrin	2.8 Ui	2.8	2.8	
72-55-9	4,4'-DDE	8.8 P	1.5	0.18	
72-20-8	Endrin	3.8 P	1.5	0.15	
33213-65-9	Endosulfan II	3.5 Ui	3.5	3.5	
72-54-8	4,4'-DDD	5.5	1.5	0.19	
7421-93-4	Endrin Aldehyde	2.2 Ui	2.2	2.2	
1031-07-8	Endosulfan Sulfate	1.5 Ui	1.5	0.41	
50-29-3	4,4'-DDT	58 E	1.5	0.55	
53494-70-5	Endrin Ketone	1.6 Ui	1.6	1.6	
72-43-5	Methoxychlor	2.3 Ui	2.3	2.3	
8001-35-2	Toxaphene	530 Ui	530	530	
3424-82-6	2,4'-DDE	1.5 Ui	1.5	1.5	
53-19-0	2,4'-DDD	4.0 Ui	4.0	4.0	
789-02-6	2,4'-DDT	49	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T1-F-SS-WB-comp-1
Lab Code: K2409451-006
File ID: J:\GC23\DATA\010705\0107F032.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	30-150	01/08/05	Acceptable
Decachlorobiphenyl	68	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T1-F-SS-WB-comp-1DL
 Lab Code: K2409451-006
 File ID: J:\GC23\DATA\011205\0112F013.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.01 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	Ui	7.2	3.1	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	Ui	7.2	6.8	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	17	Ui	17	17	
5103-74-2	gamma-Chlordane†	23	D	7.2	1.0	
959-98-8	Endosulfan I	2.7	JPD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	Ui	7.2	1.8	
72-55-9	4,4'-DDE	11	PD	7.2	0.86	
72-20-8	Endrin	40	PD	7.2	0.71	
33213-65-9	Endosulfan II	7.2	Ui	7.2	3.6	
72-54-8	4,4'-DDD	6.6	JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	5.3	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	56	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	Ui	7.2	2.9	
8001-35-2	Toxaphene	400	Ui	400	400	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	2.6	
53-19-0	2,4'-DDD	9.0	Ui	9.0	9.0	
789-02-6	2,4'-DDT	70	D	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T1-F-SS-WB-comp-1DL
Lab Code: K2409451-006
File ID: J:\GC23\DATA\011205\0112F013.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	83	30-150	01/12/05	Acceptable
Decachlorobiphenyl	81	30-150	01/12/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-A-SS-WB-comp-1
 Lab Code: K2409451-007
 File ID: J:\GC23\DATA\010705\0107F033.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.02 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5 Ui	1.5	1.3	
118-74-1	Hexachlorobenzene	1.7 Ui	1.7	1.7	
319-85-7	beta-BHC	3.6	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5 Ui	1.5	1.5	
319-86-8	delta-BHC	1.5 U	1.5	0.49	
76-44-8	Heptachlor	1.5 Ui	1.5	1.5	
309-00-2	Aldrin	1.5 U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	1.5 Ui	1.5	1.5	
5103-74-2	gamma-Chlordane†	14	1.5	0.20	
959-98-8	Endosulfan I	1.5 Ui	1.5	1.5	
5103-71-9	alpha-Chlordane	1.9 P	1.5	0.52	
60-57-1	Dieldrin	1.5 Ui	1.5	1.5	
72-55-9	4,4'-DDE	6.9 P	1.5	0.18	
72-20-8	Endrin	5.4 Ui	5.4	5.4	
33213-65-9	Endosulfan II	2.4 Ui	2.4	2.4	
72-54-8	4,4'-DDD	4.8	1.5	0.19	
7421-93-4	Endrin Aldehyde	2.4 Ui	2.4	2.4	
1031-07-8	Endosulfan Sulfate	1.5 U	1.5	0.39	
50-29-3	4,4'-DDT	50	1.5	0.55	
53494-70-5	Endrin Ketone	1.5 Ui	1.5	1.5	
72-43-5	Methoxychlor	5.2 Ui	5.2	5.2	
8001-35-2	Toxaphene	500 Ui	500	500	
3424-82-6	2,4'-DDE	1.5 Ui	1.5	0.85	
53-19-0	2,4'-DDD	3.4 Ui	3.4	3.4	
789-02-6	2,4'-DDT	47	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-A-SS-WB-comp-1
Lab Code: K2409451-007
File ID: J:\GC23\DATA\010705\0107F033.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	122	30-150	01/08/05	Acceptable
Decachlorobiphenyl	68	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T2-A-SS-WB-comp-1DL
 Lab Code: K2409451-007
 File ID: J:\GC23\DATA\011205\0112F014.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.02 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-85-7	beta-BHC	4.9 JD	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.7 Ui	7.7	7.7	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	14 Ui	14	14	
5103-74-2	gamma-Chlordane†	21 D	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	3.6 JPD	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	12 PD	7.2	0.86	
72-20-8	Endrin	38 Ui	38	38	
33213-65-9	Endosulfan II	7.2 Ui	7.2	2.8	
72-54-8	4,4'-DDD	6.9 JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	5.7	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	53 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	
72-43-5	Methoxychlor	7.4 Ui	7.4	7.4	
8001-35-2	Toxaphene	420 Ui	420	420	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	4.6	
53-19-0	2,4'-DDD	7.2 Ui	7.2	7.0	
789-02-6	2,4'-DDT	66 D	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T2-A-SS-WB-comp-1DL
Lab Code: K2409451-007
File ID: J:\GC23\DATA\011205\0112F014.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	143	30-150	01/12/05	Acceptable
Decachlorobiphenyl	79	30-150	01/12/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-B-SS-WB-comp-1
 Lab Code: K2409451-008
 File ID: J:\GC23\DATA\010705\0107F034.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.01 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5 Ui	1.5	1.5	
319-84-6	alpha-BHC	1.5 Ui	1.5	0.34	
319-85-7	beta-BHC	3.9 P	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	0.59 J	1.5	0.40	
319-86-8	delta-BHC	1.5 U	1.5	0.49	
76-44-8	Heptachlor	1.5 U	1.5	0.65	
309-00-2	Aldrin	1.5 Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	1.5 Ui	1.5	1.5	
5103-74-2	gamma-Chlordane†	16	1.5	0.20	
959-98-8	Endosulfan I	2.0	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5 Ui	1.5	1.5	
60-57-1	Dieldrin	1.5 Ui	1.5	0.54	
72-55-9	4,4'-DDE	5.2 Ui	5.2	5.2	
72-20-8	Endrin	4.6 P	1.5	0.15	
33213-65-9	Endosulfan II	3.8 Ui	3.8	3.8	
72-54-8	4,4'-DDD	3.2	1.5	0.19	
7421-93-4	Endrin Aldehyde	4.6 P	1.5	0.25	
1031-07-8	Endosulfan Sulfate	1.5 U	1.5	0.39	
50-29-3	4,4'-DDT	60 E	1.5	0.55	
53494-70-5	Endrin Ketone	1.5 Ui	1.5	1.5	
72-43-5	Methoxychlor	2.1 Ui	2.1	2.1	
8001-35-2	Toxaphene	410 Ui	410	410	
3424-82-6	2,4'-DDE	1.5 Ui	1.5	1.5	
53-19-0	2,4'-DDD	3.2 Ui	3.2	3.2	
789-02-6	2,4'-DDT	45	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-B-SS-WB-comp-1
Lab Code: K2409451-008
File ID: J:\GC23\DATA\010705\0107F034.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	72	30-150	01/08/05	Acceptable
Decachlorobiphenyl	65	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T2-B-SS-WB-comp-1DL
 Lab Code: K2409451-008
 File ID: J:\GC23\DATA\011205\0112F015.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.01 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	6.0 JPD	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 Ui	7.2	4.8	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	17 Ui	17	17	
5103-74-2	gamma-Chlordane†	26 D	7.2	1.0	
959-98-8	Endosulfan I	2.7 JD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	
60-57-1	Dieldrin	31 Ui	31	31	
72-55-9	4,4'-DDE	7.9 Ui	7.9	7.9	
72-20-8	Endrin	4.7 JPD	7.2	0.71	
33213-65-9	Endosulfan II	7.2 Ui	7.2	4.6	
72-54-8	4,4'-DDD	4.2 JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	6.7 JPD	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	62 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	
72-43-5	Methoxychlor	7.2 Ui	7.2	2.5	
8001-35-2	Toxaphene	360 Ui	360	360	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	3.1	
53-19-0	2,4'-DDD	8.4 Ui	8.4	8.4	
789-02-6	2,4'-DDT	64 D	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T2-B-SS-WB-comp-1DL
Lab Code: K2409451-008
File ID: J:\GC23\DATA\011205\0112F015.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	85	30-150	01/12/05	Acceptable
Decachlorobiphenyl	81	30-150	01/12/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-C-SS-WB-comp-1
 Lab Code: K2409451-009
 File ID: J:\GC23\DATA\010705\0107F035.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.01 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	Ui	1.5	1.5	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	1.5	U	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5	Ui	1.5	1.5	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	1.5	Ui	1.5	1.5	
5103-74-2	gamma-Chlordane†	13		1.5	0.20	
959-98-8	Endosulfan I	1.5	Ui	1.5	1.5	
5103-71-9	alpha-Chlordane	1.8	P	1.5	0.52	
60-57-1	Dieldrin	1.5	Ui	1.5	0.57	
72-55-9	4,4'-DDE	8.2	P	1.5	0.18	
72-20-8	Endrin	2.7	P	1.5	0.15	
33213-65-9	Endosulfan II	2.5	Ui	2.5	2.5	
72-54-8	4,4'-DDD	4.2		1.5	0.19	
7421-93-4	Endrin Aldehyde	2.6	Ui	2.6	2.6	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	53		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	2.3	Ui	2.3	2.3	
8001-35-2	Toxaphene	440	Ui	440	440	
3424-82-6	2,4'-DDE	5.8	Ui	5.8	5.8	
53-19-0	2,4'-DDD	3.3	Ui	3.3	3.3	
789-02-6	2,4'-DDT	48	P	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-C-SS-WB-comp-1
Lab Code: K2409451-009
File ID: J:\GC23\DATA\010705\0107F035.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	30-150	01/08/05	Acceptable
Decachlorobiphenyl	68	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T2-C-SS-WB-comp-1DL
Lab Code: K2409451-009
File ID: J:\GC23\DATA\011205\0112F016.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 Ui	7.2	2.9	
1024-57-3	Heptachlor Epoxide	12 Ui	12	12	
5103-74-2	gamma-Chlordane†	19 D	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	2.8 JPD	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	12 PD	7.2	0.86	
72-20-8	Endrin	2.9 JPD	7.2	0.71	
33213-65-9	Endosulfan II	7.2 Ui	7.2	3.1	
72-54-8	4,4'-DDD	8.5 D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	4.7	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	53 D	7.2	2.8	
53494-70-5	Endrin Ketone	39 Ui	39	39	
72-43-5	Methoxychlor	7.2 Ui	7.2	4.4	
8001-35-2	Toxaphene	360 Ui	360	340	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	6.4	
53-19-0	2,4'-DDD	7.2 Ui	7.2	7.1	
789-02-6	2,4'-DDT	65 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T2-C-SS-WB-comp-1DL
Lab Code: K2409451-009
File ID: J:\GC23\DATA\011205\0112F016.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	85	30-150	01/13/05	Acceptable
Decachlorobiphenyl	83	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-D-SS-WB-comp-1
 Lab Code: K2409451-010
 File ID: J:\GC23\DATA\010705\0107F036.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.03 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	0.45 J	1.5	0.23	
118-74-1	Hexachlorobenzene	1.5 Ui	1.5	1.5	
319-85-7	beta-BHC	2.2 Ui	2.2	2.2	
58-89-9	gamma-BHC (Lindane)	1.5 Ui	1.5	1.5	
319-86-8	delta-BHC	1.5 Ui	1.5	1.5	
76-44-8	Heptachlor	1.5 U	1.5	0.65	
309-00-2	Aldrin	1.5 U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	3.4 P	1.5	0.22	
5103-74-2	gamma-Chlordane†	14	1.5	0.20	
959-98-8	Endosulfan I	1.5 Ui	1.5	1.5	
5103-71-9	alpha-Chlordane	1.5 Ui	1.5	1.5	
60-57-1	Dieldrin	1.6 Ui	1.6	1.6	
72-55-9	4,4'-DDE	7.7 P	1.5	0.18	
72-20-8	Endrin	3.4 Ui	3.4	3.4	
33213-65-9	Endosulfan II	2.6 Ui	2.6	2.6	
72-54-8	4,4'-DDD	4.2	1.5	0.19	
7421-93-4	Endrin Aldehyde	2.4 Ui	2.4	2.4	
1031-07-8	Endosulfan Sulfate	1.5 U	1.5	0.39	
50-29-3	4,4'-DDT	37 P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5 Ui	1.5	1.5	
72-43-5	Methoxychlor	3.2 Ui	3.2	3.2	
8001-35-2	Toxaphene	460 Ui	460	460	
3424-82-6	2,4'-DDE	1.6 Ui	1.6	1.6	
53-19-0	2,4'-DDD	3.8 Ui	3.8	3.8	
789-02-6	2,4'-DDT	44	1.5	0.32	
2385-85-5	Mirex	1.5 Ui	1.5	1.5	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-D-SS-WB-comp-1
Lab Code: K2409451-010
File ID: J:\GC23\DATA\010705\0107F036.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	30-150	01/08/05	Acceptable
Decachlorobiphenyl	67	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-E-SS-WB-comp-1
 Lab Code: K2409451-011
 File ID: J:\GC23\DATA\010705\0107F037.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.01 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	2.2	Ui	2.2	2.2	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	5.1	Ui	5.1	5.1	
58-89-9	gamma-BHC (Lindane)	1.5	Ui	1.5	0.53	
319-86-8	delta-BHC	1.5	Ui	1.5	1.5	
76-44-8	Heptachlor	1.5	Ui	1.5	1.5	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	6.0	Ui	6.0	6.0	
5103-74-2	gamma-Chlordane†	1.5	U	1.5	0.20	
959-98-8	Endosulfan I	9.9	Ui	9.9	9.9	
5103-71-9	alpha-Chlordane	1.5	Ui	1.5	1.5	
60-57-1	Dieldrin	1.5	Ui	1.5	1.5	
72-55-9	4,4'-DDE	8.1	Ui	8.1	8.1	
72-20-8	Endrin	44	Ui	44	44	
33213-65-9	Endosulfan II	9.0	Ui	9.0	9.0	
72-54-8	4,4'-DDD	4.7	Ui	4.7	4.7	
7421-93-4	Endrin Aldehyde	35		1.5	0.25	
1031-07-8	Endosulfan Sulfate	1.5	Ui	1.5	1.5	
50-29-3	4,4'-DDT	58	UiE	58	58	
53494-70-5	Endrin Ketone	4.3	Ui	4.3	4.3	
72-43-5	Methoxychlor	3.8	Ui	3.8	3.8	
8001-35-2	Toxaphene	1900	UiE	1900	1900	
3424-82-6	2,4'-DDE	110	E	1.5	0.14	
53-19-0	2,4'-DDD	41	Ui	41	41	
789-02-6	2,4'-DDT	1.5	U	1.5	0.32	
2385-85-5	Mirex	1.5	Ui	1.5	1.5	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-E-SS-WB-comp-1
Lab Code: K2409451-011
File ID: J:\GC23\DATA\010705\0107F037.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	70	30-150	01/08/05	Acceptable
Decachlorobiphenyl	62	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T2-E-SS-WB-comp-1DL
Lab Code: K2409451-011
File ID: J:\GC23\DATA\011205\0112F017.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 50

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	72 U	72	25	
319-84-6	alpha-BHC	72 U	72	12	
319-85-7	beta-BHC	72 U	72	15	
58-89-9	gamma-BHC (Lindane)	72 U	72	20	
319-86-8	delta-BHC	72 U	72	25	
76-44-8	Heptachlor	72 U	72	33	
309-00-2	Aldrin	89 Ui	89	89	
1024-57-3	Heptachlor Epoxide	250 Ui	250	250	
5103-74-2	gamma-Chlordane†	330 D	72	10	
959-98-8	Endosulfan I	94 Ui	94	94	
5103-71-9	alpha-Chlordane	72 U	72	26	
60-57-1	Dieldrin	72 Ui	72	68	
72-55-9	4,4'-DDE	72 Ui	72	16	
72-20-8	Endrin	72 Ui	72	21	
33213-65-9	Endosulfan II	72 U	72	25	
72-54-8	4,4'-DDD	72 Ui	72	15	
7421-93-4	Endrin Aldehyde	78 D	72	13	
1031-07-8	Endosulfan Sulfate	72 Ui	72	27	
50-29-3	4,4'-DDT	470 D	72	28	
53494-70-5	Endrin Ketone	110 Ui	110	110	
72-43-5	Methoxychlor	72 U	72	20	
8001-35-2	Toxaphene	3600 Ui	3600	2900	
3424-82-6	2,4'-DDE	160 Ui	160	160	
53-19-0	2,4'-DDD	76 Ui	76	76	
789-02-6	2,4'-DDT	440 D	72	16	
2385-85-5	Mirex	72 U	72	20	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T2-E-SS-WB-comp-1DL
Lab Code: K2409451-011
File ID: J:\GC23\DATA\011205\0112F017.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 50

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	30-150	01/13/05	Acceptable
Decachlorobiphenyl	80	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-F-SS-WB-comp-1
 Lab Code: K2409451-012
 File ID: J:\GC23\DATA\010705\0107F038.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.02 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	2.1 Ui	2.1	2.1	
319-84-6	alpha-BHC	1.5 U	1.5	0.23	
319-85-7	beta-BHC	4.7 Ui	4.7	4.7	
58-89-9	gamma-BHC (Lindane)	1.5 U	1.5	0.40	
319-86-8	delta-BHC	1.5 U	1.5	0.49	
76-44-8	Heptachlor	3.1 Ui	3.1	3.1	
309-00-2	Aldrin	1.5 U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	3.4 Ui	3.4	3.4	
5103-74-2	gamma-Chlordane†	14	1.5	0.20	
959-98-8	Endosulfan I	1.9 Ui	1.9	1.9	
5103-71-9	alpha-Chlordane	2.0 P	1.5	0.52	
60-57-1	Dieldrin	1.5 Ui	1.5	1.5	
72-55-9	4,4'-DDE	10 P	1.5	0.18	
72-20-8	Endrin	4.6 Ui	4.6	4.6	
33213-65-9	Endosulfan II	11 P	1.5	0.50	
72-54-8	4,4'-DDD	4.5	1.5	0.19	
7421-93-4	Endrin Aldehyde	2.6 Ui	2.6	2.6	
1031-07-8	Endosulfan Sulfate	1.5 U	1.5	0.39	
50-29-3	4,4'-DDT	56	1.5	0.55	
53494-70-5	Endrin Ketone	1.5 Ui	1.5	1.5	
72-43-5	Methoxychlor	2.1 Ui	2.1	2.1	
8001-35-2	Toxaphene	510 Ui	510	510	
3424-82-6	2,4'-DDE	1.5 Ui	1.5	1.5	
53-19-0	2,4'-DDD	4.4 Ui	4.4	4.4	
789-02-6	2,4'-DDT	50	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T2-F-SS-WB-comp-1
Lab Code: K2409451-012
File ID: J:\GC23\DATA\010705\0107F038.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	67	30-150	01/08/05	Acceptable
Decachlorobiphenyl	63	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T2-F-SS-WB-comp-1DL
 Lab Code: K2409451-012
 File ID: J:\GC23\DATA\011205\0112F018.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.02 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 Ui	7.2	5.6	
58-89-9	gamma-BHC (Lindane)	11 Ui	11	11	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 Ui	7.2	6.8	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2 Ui	7.2	4.3	
5103-74-2	gamma-Chlordane†	22 D	7.2	1.0	
959-98-8	Endosulfan I	7.2 Ui	7.2	3.2	
5103-71-9	alpha-Chlordane	2.8 JPD	7.2	2.6	
60-57-1	Dieldrin	13 Ui	13	13	
72-55-9	4,4'-DDE	15 PD	7.2	0.86	
72-20-8	Endrin	41 Ui	41	41	
33213-65-9	Endosulfan II	16 PD	7.2	2.5	
72-54-8	4,4'-DDD	6.4 JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	5.8	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	59 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	
72-43-5	Methoxychlor	7.2 Ui	7.2	3.4	
8001-35-2	Toxaphene	420 Ui	420	420	
3424-82-6	2,4'-DDE	34 Ui	34	34	
53-19-0	2,4'-DDD	8.4 Ui	8.4	8.4	
789-02-6	2,4'-DDT	75 D	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T2-F-SS-WB-comp-1DL
Lab Code: K2409451-012
File ID: J:\GC23\DATA\011205\0112F018.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	30-150	01/13/05	Acceptable
Decachlorobiphenyl	77	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-A-SS-WB-comp-1
 Lab Code: K2409451-013
 File ID: J:\GC23\DATA\010705\0107F039.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.03 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	3.3	P	1.5	0.49	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	1.5	Ui	1.5	1.5	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	Ui	1.5	1.5	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	2.2	Ui	2.2	2.2	
5103-74-2	gamma-Chlordane†	12		1.5	0.20	
959-98-8	Endosulfan I	2.4	P	1.5	0.19	
5103-71-9	alpha-Chlordane	1.6	P	1.5	0.52	
60-57-1	Dieldrin	1.5	Ui	1.5	1.5	
72-55-9	4,4'-DDE	4.1	P	1.5	0.18	
72-20-8	Endrin	4.0	Ui	4.0	4.0	
33213-65-9	Endosulfan II	8.5	P	1.5	0.50	
72-54-8	4,4'-DDD	2.5		1.5	0.19	
7421-93-4	Endrin Aldehyde	3.5	P	1.5	0.25	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	53		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	2.0	Ui	2.0	2.0	
8001-35-2	Toxaphene	480	Ui	480	480	
3424-82-6	2,4'-DDE	2.6	Ui	2.6	2.6	
53-19-0	2,4'-DDD	4.4	Ui	4.4	4.4	
789-02-6	2,4'-DDT	49	P	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-A-SS-WB-comp-1
Lab Code: K2409451-013
File ID: J:\GC23\DATA\010705\0107F039.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	71	30-150	01/08/05	Acceptable
Decachlorobiphenyl	65	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-A-SS-WB-comp-1DL
 Lab Code: K2409451-013
 File ID: J:\GC23\DATA\011205\0112F019.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.03 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	4.1	JPD	7.2	2.5	
319-84-6	alpha-BHC	7.2	Ui	7.2	1.3	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	Ui	7.2	6.1	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2	Ui	7.2	2.9	
5103-74-2	gamma-Chlordane†	17	D	7.2	1.0	
959-98-8	Endosulfan I	2.6	JPD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	Ui	7.2	0.84	
72-55-9	4,4'-DDE	6.2	JPD	7.2	0.86	
72-20-8	Endrin	7.6	Ui	7.6	7.6	
33213-65-9	Endosulfan II	14	PD	7.2	2.5	
72-54-8	4,4'-DDD	6.2	JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	5.3	JPD	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	52	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	Ui	7.2	3.4	
8001-35-2	Toxaphene	360	Ui	360	360	
3424-82-6	2,4'-DDE	7.3	Ui	7.3	7.3	
53-19-0	2,4'-DDD	7.2	Ui	7.2	7.0	
789-02-6	2,4'-DDT	70	PD	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-A-SS-WB-comp-1DL
Lab Code: K2409451-013
File ID: J:\GC23\DATA\011205\0112F019.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	79	30-150	01/13/05	Acceptable
Decachlorobiphenyl	78	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-B-SS-WB-comp-1
 Lab Code: K2409451-014
 File ID: J:\GC23\DATA\010705\0107F047.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.00 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	2.9	Ui	2.9	2.9	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	7.8		1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5	Ui	1.5	1.5	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	4.3		1.5	0.65	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	3.6	Ui	3.6	3.6	
5103-74-2	gamma-Chlordane†	19		1.5	0.20	
959-98-8	Endosulfan I	3.5		1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	Ui	1.5	1.5	
60-57-1	Dieldrin	1.5	Ui	1.5	1.5	
72-55-9	4,4'-DDE	4.8	P	1.5	0.18	
72-20-8	Endrin	3.0		1.5	0.15	
33213-65-9	Endosulfan II	5.9	P	1.5	0.50	
72-54-8	4,4'-DDD	3.4		1.5	0.19	
7421-93-4	Endrin Aldehyde	4.7	Ui	4.7	4.7	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	66	E	1.5	0.55	
53494-70-5	Endrin Ketone	3.1	Ui	3.1	3.1	
72-43-5	Methoxychlor	2.3	Ui	2.3	2.3	
8001-35-2	Toxaphene	830	Ui	830	830	
3424-82-6	2,4'-DDE	8.8	Ui	8.8	8.8	
53-19-0	2,4'-DDD	6.3	Ui	6.3	6.3	
789-02-6	2,4'-DDT	74	PE	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-B-SS-WB-comp-1
Lab Code: K2409451-014
File ID: J:\GC23\DATA\010705\0107F047.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	69	30-150	01/08/05	Acceptable
Decachlorobiphenyl	49	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-B-SS-WB-comp-1DL
 Lab Code: K2409451-014
 File ID: J:\GC23\DATA\011205\0112F020.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.00 g
 % Solids: NA
 Dilution Factor: 10

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	15 U	15	4.9	
319-84-6	alpha-BHC	15 U	15	2.3	
319-85-7	beta-BHC	11 JD	15	3.0	
58-89-9	gamma-BHC (Lindane)	15 Ui	15	15	
319-86-8	delta-BHC	15 U	15	4.9	
76-44-8	Heptachlor	9.7 JD	15	6.5	
309-00-2	Aldrin	15 U	15	2.9	
1024-57-3	Heptachlor Epoxide	15 Ui	15	5.4	
5103-74-2	gamma-Chlordane†	33 D	15	2.0	
959-98-8	Endosulfan I	15 U	15	1.9	
5103-71-9	alpha-Chlordane	15 U	15	5.2	
60-57-1	Dieldrin	17 Ui	17	17	
72-55-9	4,4'-DDE	12 JPD	15	1.8	
72-20-8	Endrin	5.0 JD	15	1.5	
33213-65-9	Endosulfan II	7.2 JPD	15	5.0	
72-54-8	4,4'-DDD	5.7 JD	15	1.9	
7421-93-4	Endrin Aldehyde	15 Ui	15	11	
1031-07-8	Endosulfan Sulfate	15 U	15	3.9	
50-29-3	4,4'-DDT	95 D	15	5.5	
53494-70-5	Endrin Ketone	15 U	15	4.2	
72-43-5	Methoxychlor	15 U	15	3.9	
8001-35-2	Toxaphene	720 Ui	720	670	
3424-82-6	2,4'-DDE	15 Ui	15	6.2	
53-19-0	2,4'-DDD	17 Ui	17	17	
789-02-6	2,4'-DDT	110 PD	15	3.2	
2385-85-5	Mirex	15 U	15	3.9	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-B-SS-WB-comp-1DL
Lab Code: K2409451-014
File ID: J:\GC23\DATA\011205\0112F020.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	30-150	01/13/05	Acceptable
Decachlorobiphenyl	62	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-C-SS-WB-comp-1
 Lab Code: K2409451-015
 File ID: J:\GC23\DATA\010705\0107F048.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.00 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5	Ui	1.5	1.5	
118-74-1	Hexachlorobenzene	1.9	Ui	1.9	1.9	
319-85-7	beta-BHC	5.8		1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.4	JP	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	Ui	1.5	1.1	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	2.5	Ui	2.5	2.5	
5103-74-2	gamma-Chlordane†	13		1.5	0.20	
959-98-8	Endosulfan I	2.8		1.5	0.19	
5103-71-9	alpha-Chlordane	1.8	P	1.5	0.52	
60-57-1	Dieldrin	1.5	Ui	1.5	1.5	
72-55-9	4,4'-DDE	4.2	Ui	4.2	4.2	
72-20-8	Endrin	1.8	Ui	1.8	1.8	
33213-65-9	Endosulfan II	8.8	P	1.5	0.50	
72-54-8	4,4'-DDD	2.5		1.5	0.19	
7421-93-4	Endrin Aldehyde	1.9	Ui	1.9	1.9	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	50		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	1.6	Ui	1.6	1.6	
8001-35-2	Toxaphene	540	Ui	540	540	
3424-82-6	2,4'-DDE	4.8	Ui	4.8	4.8	
53-19-0	2,4'-DDD	4.6	Ui	4.6	4.6	
789-02-6	2,4'-DDT	48	P	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-C-SS-WB-comp-1
Lab Code: K2409451-015
File ID: J:\GC23\DATA\010705\0107F048.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	30-150	01/08/05	Acceptable
Decachlorobiphenyl	47	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-C-SS-WB-comp-1DL
 Lab Code: K2409451-015
 File ID: J:\GC23\DATA\011205\0112F028.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.00 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-85-7	beta-BHC	8.9	D	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	Ui	7.2	2.8	
76-44-8	Heptachlor	8.6	Ui	8.6	8.6	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2	Ui	7.2	2.8	
5103-74-2	gamma-Chlordane†	20	D	7.2	1.0	
959-98-8	Endosulfan I	4.8	JD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	Ui	7.2	7.2	
72-55-9	4,4'-DDE	7.2	Ui	7.2	6.1	
72-20-8	Endrin	33	Ui	33	33	
33213-65-9	Endosulfan II	12	PD	7.2	2.5	
72-54-8	4,4'-DDD	7.4	D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.3	Ui	7.3	7.3	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	57	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	Ui	7.2	2.9	
8001-35-2	Toxaphene	410	Ui	410	410	
3424-82-6	2,4'-DDE	11	Ui	11	11	
53-19-0	2,4'-DDD	8.3	Ui	8.3	8.3	
789-02-6	2,4'-DDT	74	PD	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-C-SS-WB-comp-1DL
Lab Code: K2409451-015
File ID: J:\GC23\DATA\011205\0112F028.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	85	30-150	01/13/05	Acceptable
Decachlorobiphenyl	72	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-D-SS-WB-comp-1
 Lab Code: K2409451-016
 File ID: J:\GC23\DATA\010705\0107F049.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.04 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5	Ui	1.5	0.41	
118-74-1	Hexachlorobenzene	1.5	Ui	1.5	1.5	
319-85-7	beta-BHC	1.5	Ui	1.5	1.5	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	Ui	1.5	1.5	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	1.5	Ui	1.5	1.5	
5103-74-2	gamma-Chlordane†	25		1.5	0.20	
959-98-8	Endosulfan I	3.0		1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	Ui	1.5	1.5	
60-57-1	Dieldrin	1.5	U	1.5	0.16	
72-55-9	4,4'-DDE	5.0	P	1.5	0.18	
72-20-8	Endrin	2.9	Ui	2.9	2.9	
33213-65-9	Endosulfan II	13		1.5	0.50	
72-54-8	4,4'-DDD	1.9		1.5	0.19	
7421-93-4	Endrin Aldehyde	5.7	Ui	5.7	5.7	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	140	E	1.5	0.55	
53494-70-5	Endrin Ketone	11	Ui	11	11	
72-43-5	Methoxychlor	2.1	Ui	2.1	2.1	
8001-35-2	Toxaphene	2000	UiE	2000	2000	
3424-82-6	2,4'-DDE	1.8	Ui	1.8	1.8	
53-19-0	2,4'-DDD	13	Ui	13	13	
789-02-6	2,4'-DDT	52		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-D-SS-WB-comp-1
Lab Code: K2409451-016
File ID: J:\GC23\DATA\010705\0107F049.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	30-150	01/08/05	Acceptable
Decachlorobiphenyl	52	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-D-SS-WB-comp-1DL
 Lab Code: K2409451-016
 File ID: J:\GC23\DATA\011205\0112F029.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 14.04 g
 % Solids: NA
 Dilution Factor: 10

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	15 Ui	15	4.7	
118-74-1	Hexachlorobenzene	15 U	15	4.9	
319-85-7	beta-BHC	15 U	15	3.0	
58-89-9	gamma-BHC (Lindane)	15 U	15	4.0	
319-86-8	delta-BHC	15 U	15	4.9	
76-44-8	Heptachlor	15 Ui	15	14	
309-00-2	Aldrin	15 U	15	2.9	
1024-57-3	Heptachlor Epoxide	22 Ui	22	22	
5103-74-2	gamma-Chlordane†	40 D	15	2.0	
959-98-8	Endosulfan I	15 U	15	1.9	
5103-71-9	alpha-Chlordane	15 U	15	5.2	
60-57-1	Dieldrin	15 U	15	1.6	
72-55-9	4,4'-DDE	6.6 JPD	15	1.8	
72-20-8	Endrin	54 Ui	54	54	
33213-65-9	Endosulfan II	23 D	15	5.0	
72-54-8	4,4'-DDD	6.0 JD	15	1.9	
7421-93-4	Endrin Aldehyde	17 Ui	17	17	
1031-07-8	Endosulfan Sulfate	15 U	15	3.9	
50-29-3	4,4'-DDT	140 D	15	5.5	
53494-70-5	Endrin Ketone	120 Ui	120	120	
72-43-5	Methoxychlor	15 Ui	15	4.8	
8001-35-2	Toxaphene	1400 Ui	1400	1400	
3424-82-6	2,4'-DDE	15 Ui	15	12	
53-19-0	2,4'-DDD	22 Ui	22	22	
789-02-6	2,4'-DDT	66 Ui	66	66	
2385-85-5	Mirex	15 U	15	3.9	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-D-SS-WB-comp-1DL
Lab Code: K2409451-016
File ID: J:\GC23\DATA\011205\0112F029.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	30-150	01/13/05	Acceptable
Decachlorobiphenyl	65	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-E-SS-WB-comp-1
Lab Code: K2409451-017
File ID: J:\GC23\DATA\010705\0107F057.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	Ui	1.5	1.5	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	7.0		1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.3	J	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	2.1	Ui	2.1	2.1	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	2.8	Ui	2.8	2.8	
5103-74-2	gamma-Chlordane†	16	P	1.5	0.20	
959-98-8	Endosulfan I	2.0	P	1.5	0.19	
5103-71-9	alpha-Chlordane	2.6	P	1.5	0.52	
60-57-1	Dieldrin	1.5	Ui	1.5	0.46	
72-55-9	4,4'-DDE	7.6	Ui	7.6	7.6	
72-20-8	Endrin	2.9	Ui	2.9	2.9	
33213-65-9	Endosulfan II	11	Ui	11	11	
72-54-8	4,4'-DDD	2.5		1.5	0.19	
7421-93-4	Endrin Aldehyde	3.7	Ui	3.7	3.7	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	57	Ui	57	57	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	6.0	Ui	6.0	6.0	
8001-35-2	Toxaphene	3600	UiE	3600	3600	
3424-82-6	2,4'-DDE	16	Ui	16	16	
53-19-0	2,4'-DDD	57		1.5	0.26	
789-02-6	2,4'-DDT	36		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-E-SS-WB-comp-1
Lab Code: K2409451-017
File ID: J:\GC23\DATA\010705\0107F057.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	30-150	01/08/05	Acceptable
Decachlorobiphenyl	55	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-E-SS-WB-comp-1DL
Lab Code: K2409451-017
File ID: J:\GC23\DATA\011205\0112F030.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 50

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	72 U	72	25	
319-84-6	alpha-BHC	72 U	72	12	
319-85-7	beta-BHC	72 U	72	15	
58-89-9	gamma-BHC (Lindane)	72 U	72	20	
319-86-8	delta-BHC	72 U	72	25	
76-44-8	Heptachlor	72 U	72	33	
309-00-2	Aldrin	72 U	72	15	
1024-57-3	Heptachlor Epoxide	72 U	72	11	
5103-74-2	gamma-Chlordane†	24 JPD	72	10	
959-98-8	Endosulfan I	72 U	72	9.3	
5103-71-9	alpha-Chlordane	72 U	72	26	
60-57-1	Dieldrin	150 Ui	150	150	
72-55-9	4,4'-DDE	72 Ui	72	13	
72-20-8	Endrin	72 Ui	72	63	
33213-65-9	Endosulfan II	72 U	72	25	
72-54-8	4,4'-DDD	72 U	72	9.3	
7421-93-4	Endrin Aldehyde	72 Ui	72	45	
1031-07-8	Endosulfan Sulfate	72 U	72	20	
50-29-3	4,4'-DDT	470 D	72	28	
53494-70-5	Endrin Ketone	510 Ui	510	510	
72-43-5	Methoxychlor	72 U	72	20	
8001-35-2	Toxaphene	4800 Ui	4800	4800	
3424-82-6	2,4'-DDE	72 Ui	72	25	
53-19-0	2,4'-DDD	72 Ui	72	71	
789-02-6	2,4'-DDT	72 U	72	16	
2385-85-5	Mirex	72 U	72	20	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-E-SS-WB-comp-1DL
Lab Code: K2409451-017
File ID: J:\GC23\DATA\011205\0112F030.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 50

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	92	30-150	01/13/05	Acceptable
Decachlorobiphenyl	0	30-150	01/13/05	Outside Control Limits

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-F-SS-WB-comp-1
Lab Code: K2409451-018
File ID: J:\GC23\DATA\010705\0107F058.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.06 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5	Ui	1.5	1.5	
118-74-1	Hexachlorobenzene	2.4	Ui	2.4	2.4	
319-85-7	beta-BHC	8.2		1.5	0.30	
58-89-9	gamma-BHC (Lindane)	2.6		1.5	0.40	
319-86-8	delta-BHC	1.5	Ui	1.5	1.5	
76-44-8	Heptachlor	3.9	Ui	3.9	3.9	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	4.7	Ui	4.7	4.7	
5103-74-2	gamma-Chlordane†	39		1.5	0.20	
959-98-8	Endosulfan I	6.3	P	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	Ui	1.5	1.5	
60-57-1	Dieldrin	1.5	Ui	1.5	0.46	
72-55-9	4,4'-DDE	7.7	Ui	7.7	7.7	
72-20-8	Endrin	8.8	Ui	8.8	8.8	
33213-65-9	Endosulfan II	29	P	1.5	0.50	
72-54-8	4,4'-DDD	3.5	Ui	3.5	3.5	
7421-93-4	Endrin Aldehyde	6.5	Ui	6.5	6.5	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	150	E	1.5	0.55	
53494-70-5	Endrin Ketone	15	Ui	15	15	
72-43-5	Methoxychlor	3.2	Ui	3.2	3.2	
8001-35-2	Toxaphene	950	Ui	950	950	
3424-82-6	2,4'-DDE	15	Ui	15	15	
53-19-0	2,4'-DDD	13	Ui	13	13	
789-02-6	2,4'-DDT	190	PE	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T3-F-SS-WB-comp-1
Lab Code: K2409451-018
File ID: J:\GC23\DATA\010705\0107F058.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.06 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	69	30-150	01/08/05	Acceptable
Decachlorobiphenyl	48	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-F-SS-WB-comp-1DL
 Lab Code: K2409451-018
 File ID: J:\GC23\DATA\011205\0112F031.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 14.06 g
 % Solids: NA
 Dilution Factor: 10

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	15	U	15	2.3	
118-74-1	Hexachlorobenzene	15	U	15	4.9	
319-85-7	beta-BHC	10	JD	15	3.0	
58-89-9	gamma-BHC (Lindane)	15	U	15	4.0	
319-86-8	delta-BHC	15	U	15	4.9	
76-44-8	Heptachlor	15	U	15	6.5	
309-00-2	Aldrin	15	U	15	2.9	
1024-57-3	Heptachlor Epoxide	15	Ui	15	7.9	
5103-74-2	gamma-Chlordane†	52	D	15	2.0	
959-98-8	Endosulfan I	15	U	15	1.9	
5103-71-9	alpha-Chlordane	15	U	15	5.2	
60-57-1	Dieldrin	46	Ui	46	46	
72-55-9	4,4'-DDE	15	Ui	15	13	
72-20-8	Endrin	99	Ui	99	99	
33213-65-9	Endosulfan II	44	PD	15	5.0	
72-54-8	4,4'-DDD	15	Ui	15	6.5	
7421-93-4	Endrin Aldehyde	22	Ui	22	22	
1031-07-8	Endosulfan Sulfate	15	U	15	3.9	
50-29-3	4,4'-DDT	200	D	15	5.5	
53494-70-5	Endrin Ketone	23	Ui	23	23	
72-43-5	Methoxychlor	15	Ui	15	4.0	
8001-35-2	Toxaphene	1400	Ui	1400	1400	
3424-82-6	2,4'-DDE	15	Ui	15	4.6	
53-19-0	2,4'-DDD	24	Ui	24	24	
789-02-6	2,4'-DDT	250	PD	15	3.2	
2385-85-5	Mirex	15	U	15	3.9	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-F-SS-WB-comp-1DL
Lab Code: K2409451-018
File ID: J:\GC23\DATA\011205\0112F031.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.06 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	30-150	01/13/05	Acceptable
Decachlorobiphenyl	63	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T4-A-SS-WB-comp-1
Lab Code: K2409451-019
File ID: J:\GC23\DATA\010705\0107F059.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	2.0	Ui	2.0	2.0	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	8.5		1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.7		1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	5.0	Ui	5.0	5.0	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	2.4	Ui	2.4	2.4	
5103-74-2	gamma-Chlordane†	6.7		1.5	0.20	
959-98-8	Endosulfan I	2.3	P	1.5	0.19	
5103-71-9	alpha-Chlordane	1.1	JP	1.5	0.52	
60-57-1	Dieldrin	1.5	Ui	1.5	1.5	
72-55-9	4,4'-DDE	4.4	P	1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	4.3		1.5	0.50	
72-54-8	4,4'-DDD	2.3		1.5	0.19	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	17		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	1.5	Ui	1.5	1.5	
8001-35-2	Toxaphene	230	Ui	230	230	
3424-82-6	2,4'-DDE	1.5	Ui	1.5	1.5	
53-19-0	2,4'-DDD	1.5	Ui	1.5	1.5	
789-02-6	2,4'-DDT	23	P	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T4-A-SS-WB-comp-1
Lab Code: K2409451-019
File ID: J:\GC23\DATA\010705\0107F059.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	30-150	01/08/05	Acceptable
Decachlorobiphenyl	47	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T4-B-SS-WB-comp-1
 Lab Code: K2409451-020
 File ID: J:\GC23\DATA\010705\0107F060.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 14.03 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.9	Ui	1.9	1.9	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	8.4		1.5	0.30	
58-89-9	gamma-BHC (Lindane)	2.7		1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	4.4	Ui	4.4	4.4	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	8.7	P	1.5	0.22	
5103-74-2	gamma-Chlordane†	10		1.5	0.20	
959-98-8	Endosulfan I	3.6	P	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5		1.5	0.52	
60-57-1	Dieldrin	1.5	Ui	1.5	1.5	
72-55-9	4,4'-DDE	7.8	P	1.5	0.18	
72-20-8	Endrin	3.0		1.5	0.15	
33213-65-9	Endosulfan II	4.6	P	1.5	0.50	
72-54-8	4,4'-DDD	3.0		1.5	0.19	
7421-93-4	Endrin Aldehyde	2.3	Ui	2.3	2.3	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	32		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	2.1	Ui	2.1	2.1	
8001-35-2	Toxaphene	390	Ui	390	390	
3424-82-6	2,4'-DDE	1.5	Ui	1.5	1.4	
53-19-0	2,4'-DDD	2.0	Ui	2.0	2.0	
789-02-6	2,4'-DDT	38	P	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T4-B-SS-WB-comp-1
Lab Code: K2409451-020
File ID: J:\GC23\DATA\010705\0107F060.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	30-150	01/08/05	Acceptable
Decachlorobiphenyl	49	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T4-B-SS-WB-comp-2
Lab Code: K2409451-021
File ID: J:\GC23\DATA\010705\0107F061.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	3.0	Ui	3.0	3.0	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	11	P	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5	Ui	1.5	1.1	
319-86-8	delta-BHC	1.5	Ui	1.5	1.5	
76-44-8	Heptachlor	6.8	Ui	6.8	6.8	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	10	P	1.5	0.22	
5103-74-2	gamma-Chlordane†	9.0		1.5	0.20	
959-98-8	Endosulfan I	3.7		1.5	0.19	
5103-71-9	alpha-Chlordane	1.8		1.5	0.52	
60-57-1	Dieldrin	1.5	Ui	1.5	1.5	
72-55-9	4,4'-DDE	6.5	P	1.5	0.18	
72-20-8	Endrin	2.5	P	1.5	0.15	
33213-65-9	Endosulfan II	5.3		1.5	0.50	
72-54-8	4,4'-DDD	3.9		1.5	0.19	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	25		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	2.8	Ui	2.8	2.8	
8001-35-2	Toxaphene	330	Ui	330	330	
3424-82-6	2,4'-DDE	1.8	Ui	1.8	1.8	
53-19-0	2,4'-DDD	3.9	Ui	3.9	3.9	
789-02-6	2,4'-DDT	35	P	1.5	0.32	
2385-85-5	Mirex	1.5	Ui	1.5	1.5	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T4-B-SS-WB-comp-2
Lab Code: K2409451-021
File ID: J:\GC23\DATA\010705\0107F061.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	82	30-150	01/08/05	Acceptable
Decachlorobiphenyl	52	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T4-C-SS-WB-comp-1
Lab Code: K2409451-022
File ID: J:\GC23\DATA\011005\0110F009.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
118-74-1	Hexachlorobenzene	3.3	Ui	3.3	3.3	
319-85-7	beta-BHC	12		1.5	0.30	
58-89-9	gamma-BHC (Lindane)	2.8	Ui	2.8	2.8	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	3.7	Ui	3.7	3.7	
1024-57-3	Heptachlor Epoxide	3.1	Ui	3.1	3.1	
5103-74-2	gamma-Chlordane†	10		1.5	0.20	
959-98-8	Endosulfan I	1.5	Ui	1.5	1.5	
5103-71-9	alpha-Chlordane	1.1	JP	1.5	0.52	
60-57-1	Dieldrin	6.5	Ui	6.5	6.5	
72-55-9	4,4'-DDE	7.9	P	1.5	0.18	
72-20-8	Endrin	2.7	P	1.5	0.15	
33213-65-9	Endosulfan II	6.3		1.5	0.50	
72-54-8	4,4'-DDD	4.6		1.5	0.19	
7421-93-4	Endrin Aldehyde	1.7	Ui	1.7	1.7	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	26		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	2.5	Ui	2.5	2.5	
8001-35-2	Toxaphene	360	Ui	360	360	
3424-82-6	2,4'-DDE	5.3	Ui	5.3	5.3	
53-19-0	2,4'-DDD	6.1	Ui	6.1	6.1	
789-02-6	2,4'-DDT	31		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T4-C-SS-WB-comp-1
Lab Code: K2409451-022
File ID: J:\GC23\DATA\011005\0110F009.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	30-150	01/10/05	Acceptable
Decachlorobiphenyl	68	30-150	01/10/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T4-C-SS-WB-comp-2
Lab Code: K2409451-023
File ID: J:\GC23\DATA\011005\0110F010.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	3.2	Ui	3.2	3.2	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	6.5		1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5	Ui	1.5	1.4	
319-86-8	delta-BHC	1.5	Ui	1.5	1.4	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.4	JP	1.5	0.29	
1024-57-3	Heptachlor Epoxide	6.2	P	1.5	0.22	
5103-74-2	gamma-Chlordane†	6.0		1.5	0.20	
959-98-8	Endosulfan I	1.5	Ui	1.5	1.5	
5103-71-9	alpha-Chlordane	0.60	JP	1.5	0.52	
60-57-1	Dieldrin	3.2	Ui	3.2	3.2	
72-55-9	4,4'-DDE	3.7	Ui	3.7	3.7	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	2.9		1.5	0.50	
72-54-8	4,4'-DDD	2.8		1.5	0.19	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	14	P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	1.5	Ui	1.5	1.5	
8001-35-2	Toxaphene	190	Ui	190	190	
3424-82-6	2,4'-DDE	2.9	Ui	2.9	2.9	
53-19-0	2,4'-DDD	4.7	Ui	4.7	4.7	
789-02-6	2,4'-DDT	18		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T4-C-SS-WB-comp-2
Lab Code: K2409451-023
File ID: J:\GC23\DATA\011005\0110F010.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	30-150	01/10/05	Acceptable
Decachlorobiphenyl	54	30-150	01/10/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T4-D-SS-WB-comp-1
Lab Code: K2409451-024
File ID: J:\GC23\DATA\011005\0110F011.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	4.3 Ui	4.3	4.3	
319-84-6	alpha-BHC	1.5 Ui	1.5	1.5	
319-85-7	beta-BHC	15 P	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	5.1 P	1.5	0.40	
319-86-8	delta-BHC	1.5 Ui	1.5	1.5	
76-44-8	Heptachlor	1.5 Ui	1.5	1.5	
309-00-2	Aldrin	1.5 U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	2.8 Ui	2.8	2.8	
5103-74-2	gamma-Chlordane†	4.1	1.5	0.20	
959-98-8	Endosulfan I	2.5 Ui	2.5	2.5	
5103-71-9	alpha-Chlordane	0.82 JP	1.5	0.52	
60-57-1	Dieldrin	2.4 Ui	2.4	2.4	
72-55-9	4,4'-DDE	3.9 Ui	3.9	3.9	
72-20-8	Endrin	2.7 Ui	2.7	2.7	
33213-65-9	Endosulfan II	2.0 P	1.5	0.50	
72-54-8	4,4'-DDD	1.3 JP	1.5	0.19	
7421-93-4	Endrin Aldehyde	1.5 Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5 Ui	1.5	0.49	
50-29-3	4,4'-DDT	16 P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5 Ui	1.5	1.5	
72-43-5	Methoxychlor	5.2 BP	1.5	0.39	*
8001-35-2	Toxaphene	200 Ui	200	200	
3424-82-6	2,4'-DDE	2.2 Ui	2.2	2.2	
53-19-0	2,4'-DDD	1.8 Ui	1.8	1.8	
789-02-6	2,4'-DDT	18	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T4-D-SS-WB-comp-1
Lab Code: K2409451-024
File ID: J:\GC23\DATA\011005\0110F011.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	30-150	01/10/05	Acceptable
Decachlorobiphenyl	56	30-150	01/10/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-FL-comp-2
Lab Code: K2409451-025
File ID: J:\GC23\DATA\011005\0110F012.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.1	P	1.0	0.34	
319-84-6	alpha-BHC	0.38	J	1.0	0.16	
319-85-7	beta-BHC	1.9		1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.0	U	1.0	0.28	
319-86-8	delta-BHC	1.0	U	1.0	0.34	
76-44-8	Heptachlor	1.0	Ui	1.0	0.72	
309-00-2	Aldrin	1.0	U	1.0	0.20	
1024-57-3	Heptachlor Epoxide	2.9	Ui	2.9	2.9	
5103-74-2	gamma-Chlordane†	14		1.0	0.14	
959-98-8	Endosulfan I	2.1	P	1.0	0.13	
5103-71-9	alpha-Chlordane	0.60	JP	1.0	0.36	
60-57-1	Dieldrin	1.0	Ui	1.0	1.0	
72-55-9	4,4'-DDE	4.3	Ui	4.3	4.3	
72-20-8	Endrin	1.0	Ui	1.0	1.0	
33213-65-9	Endosulfan II	6.9	P	1.0	0.35	
72-54-8	4,4'-DDD	3.4		1.0	0.13	
7421-93-4	Endrin Aldehyde	1.6	Ui	1.6	1.6	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	23		1.0	0.38	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	1.0	Ui	1.0	1.0	
8001-35-2	Toxaphene	310	Ui	310	310	
3424-82-6	2,4'-DDE	1.0	Ui	1.0	1.0	
53-19-0	2,4'-DDD	3.8	Ui	3.8	3.8	
789-02-6	2,4'-DDT	27		1.0	0.22	
2385-85-5	Mirex	1.0	U	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-FL-comp-2
Lab Code: K2409451-025
File ID: J:\GC23\DATA\011005\0110F012.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	88	30-150	01/10/05	Acceptable
Decachlorobiphenyl	60	30-150	01/10/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-FL-comp-2DL
 Lab Code: K2409451-025
 File ID: J:\GC23\DATA\011205\0112F032.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 20.03 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	5.0	U	5.0	1.7	
319-84-6	alpha-BHC	5.0	U	5.0	0.80	
319-85-7	beta-BHC	2.2	JD	5.0	1.1	
58-89-9	gamma-BHC (Lindane)	5.0	U	5.0	1.4	
319-86-8	delta-BHC	5.0	U	5.0	1.7	
76-44-8	Heptachlor	5.2	Ui	5.2	5.2	
309-00-2	Aldrin	5.0	U	5.0	1.0	
1024-57-3	Heptachlor Epoxide	5.0	Ui	5.0	4.7	
5103-74-2	gamma-Chlordane†	22	D	5.0	0.70	
959-98-8	Endosulfan I	4.4	JPD	5.0	0.65	
5103-71-9	alpha-Chlordane	5.0	U	5.0	1.8	
60-57-1	Dieldrin	5.0	U	5.0	0.55	
72-55-9	4,4'-DDE	7.3	Ui	7.3	7.3	
72-20-8	Endrin	37	Ui	37	37	
33213-65-9	Endosulfan II	14	Ui	14	14	
72-54-8	4,4'-DDD	6.6	D	5.0	0.65	
7421-93-4	Endrin Aldehyde	5.0	Ui	5.0	2.7	
1031-07-8	Endosulfan Sulfate	5.0	U	5.0	1.4	
50-29-3	4,4'-DDT	40	D	5.0	1.9	
53494-70-5	Endrin Ketone	5.0	U	5.0	1.5	
72-43-5	Methoxychlor	5.0	U	5.0	1.4	
8001-35-2	Toxaphene	390	Ui	390	390	
3424-82-6	2,4'-DDE	5.8	Ui	5.8	5.8	
53-19-0	2,4'-DDD	7.1	Ui	7.1	7.1	
789-02-6	2,4'-DDT	46	D	5.0	1.1	
2385-85-5	Mirex	5.0	U	5.0	1.4	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-FL-comp-2DL
Lab Code: K2409451-025
File ID: J:\GC23\DATA\011205\0112F032.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	131	30-150	01/13/05	Acceptable
Decachlorobiphenyl	93	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-1
 Lab Code: K2409451-026
 File ID: J:\GC23\DATA\011005\0110F013.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 20.05 g
 % Solids: NA
 Dilution Factor: 10

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	10 Ui	10	10	
118-74-1	Hexachlorobenzene	10 U	10	3.4	
319-85-7	beta-BHC	4.5 JPD	10	2.1	
58-89-9	gamma-BHC (Lindane)	10 U	10	2.8	
319-86-8	delta-BHC	10 U	10	3.4	
76-44-8	Heptachlor	10 Ui	10	10	
309-00-2	Aldrin	10 Ui	10	3.0	
1024-57-3	Heptachlor Epoxide	10 Ui	10	10	
5103-74-2	gamma-Chlordane†	24 D	10	1.4	
959-98-8	Endosulfan I	2.9 JD	10	1.3	
5103-71-9	alpha-Chlordane	10 U	10	3.6	
60-57-1	Dieldrin	10 U	10	1.1	
72-55-9	4,4'-DDE	7.7 JPD	10	1.2	
72-20-8	Endrin	10 Ui	10	10	
33213-65-9	Endosulfan II	10 Ui	10	10	
72-54-8	4,4'-DDD	6.7 JD	10	1.3	
7421-93-4	Endrin Aldehyde	10 U	10	1.7	
1031-07-8	Endosulfan Sulfate	10 U	10	2.7	
50-29-3	4,4'-DDT	52 D	10	3.8	
53494-70-5	Endrin Ketone	10 U	10	2.9	
72-43-5	Methoxychlor	10 Ui	10	7.0	
8001-35-2	Toxaphene	710 Ui	710	710	
3424-82-6	2,4'-DDE	10 Ui	10	10	
53-19-0	2,4'-DDD	10 Ui	10	10	
789-02-6	2,4'-DDT	60 D	10	2.2	
2385-85-5	Mirex	10 U	10	2.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-1
Lab Code: K2409451-026
File ID: J:\GC23\DATA\011005\0110F013.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.05 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	92	30-150	01/10/05	Acceptable
Decachlorobiphenyl	49	30-150	01/10/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-2
Lab Code: K2409451-027
File ID: J:\GC23\DATA\011005\0110F014.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	10 U	10	1.6	
118-74-1	Hexachlorobenzene	10 U	10	3.4	
319-85-7	beta-BHC	10 U	10	2.1	
58-89-9	gamma-BHC (Lindane)	10 U	10	2.8	
319-86-8	delta-BHC	10 U	10	3.4	
76-44-8	Heptachlor	10 U	10	4.5	
309-00-2	Aldrin	10 U	10	2.0	
1024-57-3	Heptachlor Epoxide	23 PD	10	1.5	
5103-74-2	gamma-Chlordane†	27 D	10	1.4	
959-98-8	Endosulfan I	10 U	10	1.3	
5103-71-9	alpha-Chlordane	10 U	10	3.6	
60-57-1	Dieldrin	10 U	10	1.1	
72-55-9	4,4'-DDE	9.2 JPD	10	1.2	
72-20-8	Endrin	10 Ui	10	10	
33213-65-9	Endosulfan II	10 Ui	10	10	
72-54-8	4,4'-DDD	7.8 JD	10	1.3	
7421-93-4	Endrin Aldehyde	10 Ui	10	10	
1031-07-8	Endosulfan Sulfate	10 U	10	2.7	
50-29-3	4,4'-DDT	53 PD	10	3.8	
53494-70-5	Endrin Ketone	10 U	10	2.9	
72-43-5	Methoxychlor	10 U	10	2.7	
8001-35-2	Toxaphene	750 Ui	750	750	
3424-82-6	2,4'-DDE	10 Ui	10	10	
53-19-0	2,4'-DDD	10 Ui	10	10	
789-02-6	2,4'-DDT	63 D	10	2.2	
2385-85-5	Mirex	10 U	10	2.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-2
Lab Code: K2409451-027
File ID: J:\GC23\DATA\011005\0110F014.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	30-150	01/10/05	Acceptable
Decachlorobiphenyl	45	30-150	01/10/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-3
Lab Code: K2409451-028
File ID: J:\GC23\DATA\011005\0110F015.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	10 U	10	1.6	
118-74-1	Hexachlorobenzene	10 U	10	3.4	
319-85-7	beta-BHC	10 Ui	10	10	
58-89-9	gamma-BHC (Lindane)	10 U	10	2.8	
319-86-8	delta-BHC	10 U	10	3.4	
76-44-8	Heptachlor	10 U	10	4.5	
309-00-2	Aldrin	10 U	10	2.0	
1024-57-3	Heptachlor Epoxide	31 PD	10	1.5	
5103-74-2	gamma-Chlordane†	37 PD	10	1.4	
959-98-8	Endosulfan I	5.6 JD	10	1.3	
5103-71-9	alpha-Chlordane	3.8 JD	10	3.6	
60-57-1	Dieldrin	10 U	10	1.1	
72-55-9	4,4'-DDE	12 Ui	12	12	
72-20-8	Endrin	10 Ui	10	10	
33213-65-9	Endosulfan II	10 Ui	10	10	
72-54-8	4,4'-DDD	11 D	10	1.3	
7421-93-4	Endrin Aldehyde	10 Ui	10	10	
1031-07-8	Endosulfan Sulfate	10 U	10	2.7	
50-29-3	4,4'-DDT	70 PD	10	3.8	
53494-70-5	Endrin Ketone	10 U	10	2.9	
72-43-5	Methoxychlor	10 U	10	2.7	
8001-35-2	Toxaphene	900 Ui	900	900	
3424-82-6	2,4'-DDE	10 Ui	10	10	
53-19-0	2,4'-DDD	12 Ui	12	12	
789-02-6	2,4'-DDT	83 D	10	2.2	
2385-85-5	Mirex	10 U	10	2.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-3
Lab Code: K2409451-028
File ID: J:\GC23\DATA\011005\0110F015.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	91	30-150	01/10/05	Acceptable
Decachlorobiphenyl	77	30-150	01/10/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-4
 Lab Code: K2409451-029
 File ID: J:\GC23\DATA\011005\0110F016.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 20.04 g
 % Solids: NA
 Dilution Factor: 10

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	10 U	10	1.6	
118-74-1	Hexachlorobenzene	10 U	10	3.4	
319-85-7	beta-BHC	4.5 JPD	10	2.1	
58-89-9	gamma-BHC (Lindane)	10 U	10	2.8	
319-86-8	delta-BHC	10 U	10	3.4	
76-44-8	Heptachlor	6.8 JD	10	4.5	
309-00-2	Aldrin	10 U	10	2.0	
1024-57-3	Heptachlor Epoxide	37 PD	10	1.5	
5103-74-2	gamma-Chlordane†	40 PD	10	1.4	
959-98-8	Endosulfan I	6.6 JPD	10	1.3	
5103-71-9	alpha-Chlordane	4.7 JD	10	3.6	
60-57-1	Dieldrin	10 Ui	10	10	
72-55-9	4,4'-DDE	14 Ui	14	14	
72-20-8	Endrin	10 Ui	10	10	
33213-65-9	Endosulfan II	10 Ui	10	10	
72-54-8	4,4'-DDD	12 D	10	1.3	
7421-93-4	Endrin Aldehyde	10 Ui	10	10	
1031-07-8	Endosulfan Sulfate	10 U	10	2.7	
50-29-3	4,4'-DDT	84 D	10	3.8	
53494-70-5	Endrin Ketone	10 U	10	2.9	
72-43-5	Methoxychlor	10 Ui	10	10	
8001-35-2	Toxaphene	1100 Ui	1100	1100	
3424-82-6	2,4'-DDE	10 Ui	10	10	
53-19-0	2,4'-DDD	13 Ui	13	13	
789-02-6	2,4'-DDT	94 D	10	2.2	
2385-85-5	Mirex	10 U	10	2.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-4
Lab Code: K2409451-029
File ID: J:\GC23\DATA\011005\0110F016.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	101	30-150	01/11/05	Acceptable
Decachlorobiphenyl	50	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-5
 Lab Code: K2409451-030
 File ID: J:\GC23\DATA\011005\0110F017.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 20.01 g
 % Solids: NA
 Dilution Factor: 10

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	10 U	10	1.6	
118-74-1	Hexachlorobenzene	10 U	10	3.4	
319-85-7	beta-BHC	10 U	10	2.1	
58-89-9	gamma-BHC (Lindane)	10 U	10	2.8	
319-86-8	delta-BHC	10 U	10	3.4	
76-44-8	Heptachlor	10 U	10	4.5	
309-00-2	Aldrin	10 U	10	2.0	
1024-57-3	Heptachlor Epoxide	23 PD	10	1.5	
5103-74-2	gamma-Chlordane†	33 PD	10	1.4	
959-98-8	Endosulfan I	10 Ui	10	2.6	
5103-71-9	alpha-Chlordane	10 U	10	3.6	
60-57-1	Dieldrin	10 U	10	1.1	
72-55-9	4,4'-DDE	9.9 JPD	10	1.2	
72-20-8	Endrin	10 Ui	10	10	
33213-65-9	Endosulfan II	18 PD	10	3.5	
72-54-8	4,4'-DDD	10 D	10	1.3	
7421-93-4	Endrin Aldehyde	10 Ui	10	10	
1031-07-8	Endosulfan Sulfate	10 U	10	2.7	
50-29-3	4,4'-DDT	68 D	10	3.8	
53494-70-5	Endrin Ketone	10 U	10	2.9	
72-43-5	Methoxychlor	10 U	10	2.7	
8001-35-2	Toxaphene	900 Ui	900	900	
3424-82-6	2,4'-DDE	10 Ui	10	10	
53-19-0	2,4'-DDD	12 Ui	12	12	
789-02-6	2,4'-DDT	85 PD	10	2.2	
2385-85-5	Mirex	10 U	10	2.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-5
Lab Code: K2409451-030
File ID: J:\GC23\DATA\011005\0110F017.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	30-150	01/11/05	Acceptable
Decachlorobiphenyl	47	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-6
Lab Code: K2409451-031
File ID: J:\GC23\DATA\011005\0110F018.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.07 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	10	U	10	1.6	
118-74-1	Hexachlorobenzene	10	U	10	3.4	
319-85-7	beta-BHC	10	U	10	2.1	
58-89-9	gamma-BHC (Lindane)	10	Ui	10	4.0	
319-86-8	delta-BHC	10	U	10	3.4	
76-44-8	Heptachlor	10	U	10	4.5	
309-00-2	Aldrin	10	U	10	2.0	
1024-57-3	Heptachlor Epoxide	45	PD	10	1.5	
5103-74-2	gamma-Chlordane†	56	Ui	56	56	
959-98-8	Endosulfan I	10	Ui	10	3.8	
5103-71-9	alpha-Chlordane	6.6	JD	10	3.6	
60-57-1	Dieldrin	10	Ui	10	10	
72-55-9	4,4'-DDE	18	PD	10	1.2	
72-20-8	Endrin	10	Ui	10	10	
33213-65-9	Endosulfan II	10	Ui	10	10	
72-54-8	4,4'-DDD	20	D	10	1.3	
7421-93-4	Endrin Aldehyde	10	Ui	10	10	
1031-07-8	Endosulfan Sulfate	10	U	10	2.7	
50-29-3	4,4'-DDT	98	D	10	3.8	
53494-70-5	Endrin Ketone	10	Ui	10	10	
72-43-5	Methoxychlor	10	U	10	2.7	
8001-35-2	Toxaphene	1300	Ui	1300	1300	
3424-82-6	2,4'-DDE	10	Ui	10	10	
53-19-0	2,4'-DDD	19	Ui	19	19	
789-02-6	2,4'-DDT	110	D	10	2.2	
2385-85-5	Mirex	10	U	10	2.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-WB-comp-6
Lab Code: K2409451-031
File ID: J:\GC23\DATA\011005\0110F018.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.07 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	30-150	01/11/05	Acceptable
Decachlorobiphenyl	55	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-1
Lab Code: K2409451-032
File ID: J:\GC23\DATA\011005\0110F026.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	10	U	10	1.6	
118-74-1	Hexachlorobenzene	10	U	10	3.4	
319-85-7	beta-BHC	5.7	JD	10	2.1	
58-89-9	gamma-BHC (Lindane)	10	U	10	2.8	
319-86-8	delta-BHC	10	U	10	3.4	
76-44-8	Heptachlor	10	U	10	4.5	
309-00-2	Aldrin	10	U	10	2.0	
1024-57-3	Heptachlor Epoxide	38	PD	10	1.5	
5103-74-2	gamma-Chlordane†	51	PD	10	1.4	
959-98-8	Endosulfan I	10	Ui	10	6.9	
5103-71-9	alpha-Chlordane	10	U	10	3.6	
60-57-1	Dieldrin	10	U	10	1.1	
72-55-9	4,4'-DDE	18	PD	10	1.2	
72-20-8	Endrin	10	Ui	10	10	
33213-65-9	Endosulfan II	10	U	10	3.5	
72-54-8	4,4'-DDD	17	D	10	1.3	
7421-93-4	Endrin Aldehyde	10	Ui	10	10	
1031-07-8	Endosulfan Sulfate	10	U	10	2.7	
50-29-3	4,4'-DDT	96	D	10	3.8	
53494-70-5	Endrin Ketone	10	Ui	10	10	
72-43-5	Methoxychlor	10	Ui	10	10	
8001-35-2	Toxaphene	1500	Ui	1500	1500	
3424-82-6	2,4'-DDE	10	Ui	10	10	
53-19-0	2,4'-DDD	20	Ui	20	20	
789-02-6	2,4'-DDT	120	D	10	2.2	
2385-85-5	Mirex	10	U	10	2.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-1
Lab Code: K2409451-032
File ID: J:\GC23\DATA\011005\0110F026.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	67	30-150	01/11/05	Acceptable
Decachlorobiphenyl	92	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-2
Lab Code: K2409451-033
File ID: J:\GC23\DATA\011005\0110F027.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.00 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	10	Ui	10	10	
319-84-6	alpha-BHC	10	Ui	10	2.5	
319-85-7	beta-BHC	8.4	JD	10	2.1	
58-89-9	gamma-BHC (Lindane)	10	U	10	2.8	
319-86-8	delta-BHC	10	U	10	3.4	
76-44-8	Heptachlor	10	U	10	4.5	
309-00-2	Aldrin	10	U	10	2.0	
1024-57-3	Heptachlor Epoxide	36	PD	10	1.5	
5103-74-2	gamma-Chlordane†	53	PD	10	1.4	
959-98-8	Endosulfan I	6.4	JPD	10	1.3	
5103-71-9	alpha-Chlordane	5.7	JD	10	3.6	
60-57-1	Dieldrin	10	U	10	1.1	
72-55-9	4,4'-DDE	18	PD	10	1.2	
72-20-8	Endrin	10	Ui	10	10	
33213-65-9	Endosulfan II	10	Ui	10	10	
72-54-8	4,4'-DDD	14	D	10	1.3	
7421-93-4	Endrin Aldehyde	10	Ui	10	10	
1031-07-8	Endosulfan Sulfate	10	U	10	2.7	
50-29-3	4,4'-DDT	92	D	10	3.8	
53494-70-5	Endrin Ketone	10	Ui	10	10	
72-43-5	Methoxychlor	10	Ui	10	10	
8001-35-2	Toxaphene	1300	Ui	1300	1300	
3424-82-6	2,4'-DDE	10	Ui	10	10	
53-19-0	2,4'-DDD	20	Ui	20	20	
789-02-6	2,4'-DDT	120	D	10	2.2	
2385-85-5	Mirex	10	U	10	2.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-2
Lab Code: K2409451-033
File ID: J:\GC23\DATA\011005\0110F027.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.00 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	145	30-150	01/11/05	Acceptable
Decachlorobiphenyl	76	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-3
Lab Code: K2409451-034
File ID: J:\GC23\DATA\011005\0110F028.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	10	Ui	10	4.1	
319-84-6	alpha-BHC	10	Ui	10	2.1	
319-85-7	beta-BHC	10	U	10	2.1	
58-89-9	gamma-BHC (Lindane)	10	U	10	2.8	
319-86-8	delta-BHC	10	U	10	3.4	
76-44-8	Heptachlor	10	U	10	4.5	
309-00-2	Aldrin	10	U	10	2.0	
1024-57-3	Heptachlor Epoxide	32	PD	10	1.5	
5103-74-2	gamma-Chlordane†	51	PD	10	1.4	
959-98-8	Endosulfan I	10	Ui	10	5.0	
5103-71-9	alpha-Chlordane	10	Ui	10	6.4	
60-57-1	Dieldrin	10	U	10	1.1	
72-55-9	4,4'-DDE	19	PD	10	1.2	
72-20-8	Endrin	10	Ui	10	10	
33213-65-9	Endosulfan II	10	Ui	10	10	
72-54-8	4,4'-DDD	16	D	10	1.3	
7421-93-4	Endrin Aldehyde	10	Ui	10	10	
1031-07-8	Endosulfan Sulfate	10	U	10	2.7	
50-29-3	4,4'-DDT	110	D	10	3.8	
53494-70-5	Endrin Ketone	10	Ui	10	10	
72-43-5	Methoxychlor	10	U	10	2.7	
8001-35-2	Toxaphene	1600	Ui	1600	1600	
3424-82-6	2,4'-DDE	10	Ui	10	10	
53-19-0	2,4'-DDD	20	Ui	20	20	
789-02-6	2,4'-DDT	130	D	10	2.2	
2385-85-5	Mirex	10	U	10	2.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-3
Lab Code: K2409451-034
File ID: J:\GC23\DATA\011005\0110F028.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	68	30-150	01/11/05	Acceptable
Decachlorobiphenyl	79	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-2
 Lab Code: K2409451-035
 File ID: J:\GC23\DATA\011005\0110F029.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 20.06 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	4.4	1.0	0.34	
319-84-6	alpha-BHC	1.0 U	1.0	0.16	
319-85-7	beta-BHC	4.2	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.1 P	1.0	0.28	
319-86-8	delta-BHC	1.0 U	1.0	0.34	
76-44-8	Heptachlor	1.2 Ui	1.2	1.2	
309-00-2	Aldrin	6.4 P	1.0	0.20	
1024-57-3	Heptachlor Epoxide	15 P	1.0	0.15	
5103-74-2	gamma-Chlordane†	19	1.0	0.14	
959-98-8	Endosulfan I	2.4	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	2.9 Ui	2.9	2.9	
72-55-9	4,4'-DDE	9.0 P	1.0	0.12	
72-20-8	Endrin	1.7 Ui	1.7	1.7	
33213-65-9	Endosulfan II	9.8 P	1.0	0.35	
72-54-8	4,4'-DDD	7.4	1.0	0.13	
7421-93-4	Endrin Aldehyde	1.7 Ui	1.7	1.7	
1031-07-8	Endosulfan Sulfate	1.3 Ui	1.3	1.3	
50-29-3	4,4'-DDT	34	1.0	0.38	
53494-70-5	Endrin Ketone	2.2 Ui	2.2	2.2	
72-43-5	Methoxychlor	2.9 Ui	2.9	2.9	
8001-35-2	Toxaphene	370 Ui	370	370	
3424-82-6	2,4'-DDE	3.3 Ui	3.3	3.3	
53-19-0	2,4'-DDD	6.6 Ui	6.6	6.6	
789-02-6	2,4'-DDT	44 E	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-2
Lab Code: K2409451-035
File ID: J:\GC23\DATA\011005\0110F029.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.06 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	73	30-150	01/11/05	Acceptable
Decachlorobiphenyl	68	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-2DL
 Lab Code: K2409451-035
 File ID: J:\GC23\DATA\011205\0112F033.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 20.06 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	4.7	JD	5.0	1.7	
319-84-6	alpha-BHC	5.0	U	5.0	0.80	
319-85-7	beta-BHC	5.0	Ui	5.0	4.3	
58-89-9	gamma-BHC (Lindane)	4.3	JPD	5.0	1.4	
319-86-8	delta-BHC	140	Ui	140	140	
76-44-8	Heptachlor	6.5	Ui	6.5	6.5	
309-00-2	Aldrin	17	Ui	17	17	
1024-57-3	Heptachlor Epoxide	20	PD	5.0	0.75	
5103-74-2	gamma-Chlordane†	27	D	5.0	0.70	
959-98-8	Endosulfan I	4.6	JD	5.0	0.65	
5103-71-9	alpha-Chlordane	5.0	U	5.0	1.8	
60-57-1	Dieldrin	5.0	Ui	5.0	2.5	
72-55-9	4,4'-DDE	15	PD	5.0	0.60	
72-20-8	Endrin	5.0	Ui	5.0	3.4	
33213-65-9	Endosulfan II	16	Ui	16	16	
72-54-8	4,4'-DDD	9.7	D	5.0	0.65	
7421-93-4	Endrin Aldehyde	8.3	Ui	8.3	8.3	
1031-07-8	Endosulfan Sulfate	5.0	Ui	5.0	1.5	
50-29-3	4,4'-DDT	50	D	5.0	1.9	
53494-70-5	Endrin Ketone	5.0	Ui	5.0	3.1	
72-43-5	Methoxychlor	5.0	U	5.0	1.4	
8001-35-2	Toxaphene	490	Ui	490	490	
3424-82-6	2,4'-DDE	8.1	Ui	8.1	8.1	
53-19-0	2,4'-DDD	12	Ui	12	12	
789-02-6	2,4'-DDT	59	D	5.0	1.1	
2385-85-5	Mirex	5.0	U	5.0	1.4	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-2DL
Lab Code: K2409451-035
File ID: J:\GC23\DATA\011205\0112F033.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.06 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	95	30-150	01/13/05	Acceptable
Decachlorobiphenyl	96	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-SC-EM-comp-1
 Lab Code: K2409451-036
 File ID: J:\GC23\DATA\011005\0110F031.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 14.01 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	U	1.5	0.49	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	2.0	Ui	2.0	2.0	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	2.6	P	1.5	0.22	
5103-74-2	gamma-Chlordane†	5.1		1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	Ui	1.5	0.81	
60-57-1	Dieldrin	2.1	Ui	2.1	2.1	
72-55-9	4,4'-DDE	4.7		1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	1.5	Ui	1.5	1.5	
72-54-8	4,4'-DDD	2.2	Ui	2.2	2.2	
7421-93-4	Endrin Aldehyde	2.3	P	1.5	0.25	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	12	P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	1.5	Ui	1.5	1.5	
8001-35-2	Toxaphene	150	Ui	150	150	
3424-82-6	2,4'-DDE	1.5	Ui	1.5	1.5	
53-19-0	2,4'-DDD	1.6		1.5	0.26	
789-02-6	2,4'-DDT	14	P	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-SC-EM-comp-1
Lab Code: K2409451-036
File ID: J:\GC23\DATA\011005\0110F031.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	70	30-150	01/11/05	Acceptable
Decachlorobiphenyl	50	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-SC-EM-comp-2
Lab Code: K2409451-037
File ID: J:\GC23\DATA\011005\0110F039.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
118-74-1	Hexachlorobenzene	1.5	U	1.5	0.49	
319-85-7	beta-BHC	1.5	Ui	1.5	1.5	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	1.9		1.5	0.22	
5103-74-2	gamma-Chlordane†	3.9		1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	1.5	Ui	1.5	1.5	
72-55-9	4,4'-DDE	2.3	P	1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	1.5	U	1.5	0.50	
72-54-8	4,4'-DDD	1.7	Ui	1.7	1.7	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	6.9		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	7.7	BP	1.5	0.39	
8001-35-2	Toxaphene	99	Ui	99	99	
3424-82-6	2,4'-DDE	1.7	Ui	1.7	1.7	
53-19-0	2,4'-DDD	2.1		1.5	0.26	
789-02-6	2,4'-DDT	8.8		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-SC-EM-comp-2
Lab Code: K2409451-037
File ID: J:\GC23\DATA\011005\0110F039.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	30-150	01/11/05	Acceptable
Decachlorobiphenyl	50	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-SC-EM-comp-3
Lab Code: K2409451-038
File ID: J:\GC23\DATA\011005\0110F040.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	U	1.5	0.49	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	1.5	Ui	1.5	1.5	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	Ui	1.5	1.5	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	2.1		1.5	0.22	
5103-74-2	gamma-Chlordane†	3.6		1.5	0.20	
959-98-8	Endosulfan I	1.5	Ui	1.5	0.41	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	1.6	Ui	1.6	1.6	
72-55-9	4,4'-DDE	2.6		1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	1.5	U	1.5	0.50	
72-54-8	4,4'-DDD	1.5	Ui	1.5	1.5	
7421-93-4	Endrin Aldehyde	1.8	P	1.5	0.25	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	7.8	P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	1.5	Ui	1.5	1.5	
8001-35-2	Toxaphene	96	Ui	96	96	
3424-82-6	2,4'-DDE	1.9	Ui	1.9	1.9	
53-19-0	2,4'-DDD	1.7	P	1.5	0.26	
789-02-6	2,4'-DDT	9.7		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-SC-EM-comp-3
Lab Code: K2409451-038
File ID: J:\GC23\DATA\011005\0110F040.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	83	30-150	01/11/05	Acceptable
Decachlorobiphenyl	52	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-SC-HP-comp-1
Lab Code: K2409451-039
File ID: J:\GC23\DATA\011005\0110F048.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5 U	1.5	0.49	
319-84-6	alpha-BHC	1.5 Ui	1.5	0.30	
319-85-7	beta-BHC	1.5 U	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5 Ui	1.5	1.2	
319-86-8	delta-BHC	1.8 Ui	1.8	1.8	
76-44-8	Heptachlor	1.5 U	1.5	0.65	
309-00-2	Aldrin	1.5 Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	4.3 Ui	4.3	4.3	
5103-74-2	gamma-Chlordane†	17 P	1.5	0.20	
959-98-8	Endosulfan I	1.5 U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5 Ui	1.5	1.5	
60-57-1	Dieldrin	9.2 Ui	9.2	9.2	
72-55-9	4,4'-DDE	12 P	1.5	0.18	
72-20-8	Endrin	1.5 Ui	1.5	1.5	
33213-65-9	Endosulfan II	2.0 Ui	2.0	2.0	
72-54-8	4,4'-DDD	1.5 Ui	1.5	0.66	
7421-93-4	Endrin Aldehyde	2.1 Ui	2.1	2.1	
1031-07-8	Endosulfan Sulfate	1.5 Ui	1.5	0.40	
50-29-3	4,4'-DDT	40	1.5	0.55	
53494-70-5	Endrin Ketone	2.8 Ui	2.8	2.8	
72-43-5	Methoxychlor	1.5 Ui	1.5	1.5	
8001-35-2	Toxaphene	470 Ui	470	470	
3424-82-6	2,4'-DDE	1.5 Ui	1.5	1.5	
53-19-0	2,4'-DDD	13 P	1.5	0.26	
789-02-6	2,4'-DDT	49	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-SC-HP-comp-1
Lab Code: K2409451-039
File ID: J:\GC23\DATA\011005\0110F048.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	82	30-150	01/11/05	Acceptable
Decachlorobiphenyl	43	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-SC-HP-comp-1DL
 Lab Code: K2409451-039
 File ID: J:\GC23\DATA\011205\0112F035.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4116

Sample Amount: 14.00 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2	Ui	7.2	6.4	
5103-74-2	gamma-Chlordane†	24	PD	7.2	1.0	
959-98-8	Endosulfan I	7.2	U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	9.1	Ui	9.1	9.1	
72-55-9	4,4'-DDE	16	PD	7.2	0.86	
72-20-8	Endrin	7.2	U	7.2	0.71	
33213-65-9	Endosulfan II	7.2	Ui	7.2	2.7	
72-54-8	4,4'-DDD	7.2	Ui	7.2	1.2	
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	6.3	
1031-07-8	Endosulfan Sulfate	7.2	Ui	7.2	7.2	
50-29-3	4,4'-DDT	52	D	7.2	2.8	
53494-70-5	Endrin Ketone	20	Ui	20	20	
72-43-5	Methoxychlor	7.2	U	7.2	2.0	
8001-35-2	Toxaphene	360	Ui	360	350	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	1.1	
53-19-0	2,4'-DDD	15	PD	7.2	1.3	
789-02-6	2,4'-DDT	65	D	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-SC-HP-comp-1DL
Lab Code: K2409451-039
File ID: J:\GC23\DATA\011205\0112F035.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	30-150	01/13/05	Acceptable
Decachlorobiphenyl	50	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-1
 Lab Code: K2409451-040
 File ID: J:\GC23\DATA\011005\0110F049.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4116

Sample Amount: 14.03 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
118-74-1	Hexachlorobenzene	1.5	U	1.5	0.49	
319-85-7	beta-BHC	3.0	Ui	3.0	3.0	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	1.5	Ui	1.5	1.2	
5103-74-2	gamma-Chlordane†	3.7	P	1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	1.8	Ui	1.8	1.8	
72-55-9	4,4'-DDE	2.4		1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	1.5	U	1.5	0.50	
72-54-8	4,4'-DDD	1.5	Ui	1.5	1.5	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	6.5	P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	1.5	Ui	1.5	0.41	
8001-35-2	Toxaphene	72	Ui	72	72	
3424-82-6	2,4'-DDE	1.5	Ui	1.5	1.5	
53-19-0	2,4'-DDD	3.1	P	1.5	0.26	
789-02-6	2,4'-DDT	7.1		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-1
Lab Code: K2409451-040
File ID: J:\GC23\DATA\011005\0110F049.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	77	30-150	01/11/05	Acceptable
Decachlorobiphenyl	51	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-2
Lab Code: K2409451-041
File ID: J:\GC23\DATA\011005\0110F050.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	U	1.5	0.49	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	1.7	Ui	1.7	1.7	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	Ui	1.5	1.5	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	1.5	Ui	1.5	1.3	
5103-74-2	gamma-Chlordane†	4.1	P	1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	2.1	Ui	2.1	2.1	
72-55-9	4,4'-DDE	2.4	P	1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	1.5	U	1.5	0.50	
72-54-8	4,4'-DDD	1.5	Ui	1.5	1.5	
7421-93-4	Endrin Aldehyde	1.8	P	1.5	0.25	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	7.1	P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	1.5	Ui	1.5	1.5	
8001-35-2	Toxaphene	95	Ui	95	95	
3424-82-6	2,4'-DDE	2.1	Ui	2.1	2.1	
53-19-0	2,4'-DDD	1.5	Ui	1.5	1.5	
789-02-6	2,4'-DDT	7.8		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-2
Lab Code: K2409451-041
File ID: J:\GC23\DATA\011005\0110F050.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	82	30-150	01/11/05	Acceptable
Decachlorobiphenyl	52	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-3
 Lab Code: K2409451-042
 File ID: J:\GC23\DATA\011005\0110F051.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4116

Sample Amount: 14.03 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5 U	1.5	0.49	
319-84-6	alpha-BHC	1.5 U	1.5	0.23	
319-85-7	beta-BHC	3.2 Ui	3.2	3.2	
58-89-9	gamma-BHC (Lindane)	1.5 U	1.5	0.40	
319-86-8	delta-BHC	1.5 Ui	1.5	0.73	
76-44-8	Heptachlor	1.5 U	1.5	0.65	
309-00-2	Aldrin	1.5 U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	2.5 P	1.5	0.22	
5103-74-2	gamma-Chlordane†	4.1	1.5	0.20	
959-98-8	Endosulfan I	1.5 U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.8 P	1.5	0.52	
60-57-1	Dieldrin	3.3 Ui	3.3	3.3	
72-55-9	4,4'-DDE	3.1 P	1.5	0.18	
72-20-8	Endrin	1.5 Ui	1.5	1.5	
33213-65-9	Endosulfan II	1.5 U	1.5	0.50	
72-54-8	4,4'-DDD	2.0 Ui	2.0	2.0	
7421-93-4	Endrin Aldehyde	1.5 Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5 U	1.5	0.39	
50-29-3	4,4'-DDT	8.7 P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5 U	1.5	0.42	
72-43-5	Methoxychlor	1.5 U	1.5	0.39	
8001-35-2	Toxaphene	89 Ui	89	89	
3424-82-6	2,4'-DDE	2.4 Ui	2.4	2.4	
53-19-0	2,4'-DDD	2.8 P	1.5	0.26	
789-02-6	2,4'-DDT	11	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-3
Lab Code: K2409451-042
File ID: J:\GC23\DATA\011005\0110F051.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	30-150	01/11/05	Acceptable
Decachlorobiphenyl	49	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-HP-comp-1
 Lab Code: K2409451-043
 File ID: J:\GC23\DATA\011005\0110F052.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4116

Sample Amount: 14.01 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	Ui	1.5	1.5	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	1.5	U	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	Ui	1.5	1.5	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	5.2	Ui	5.2	5.2	
5103-74-2	gamma-Chlordane†	28	P	1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	Ui	1.5	1.2	
60-57-1	Dieldrin	6.9	Ui	6.9	6.9	
72-55-9	4,4'-DDE	17	P	1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	2.6	Ui	2.6	2.6	
72-54-8	4,4'-DDD	1.6	Ui	1.6	1.6	
7421-93-4	Endrin Aldehyde	6.5	Ui	6.5	6.5	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	48		1.5	0.55	
53494-70-5	Endrin Ketone	2.8	Ui	2.8	2.8	
72-43-5	Methoxychlor	1.7	Ui	1.7	1.7	
8001-35-2	Toxaphene	290	Ui	290	290	
3424-82-6	2,4'-DDE	2.1	Ui	2.1	2.1	
53-19-0	2,4'-DDD	7.7	Ui	7.7	7.7	
789-02-6	2,4'-DDT	56		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-HP-comp-1
Lab Code: K2409451-043
File ID: J:\GC23\DATA\011005\0110F052.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	30-150	01/11/05	Acceptable
Decachlorobiphenyl	46	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-HP-comp-1DL
 Lab Code: K2409451-043
 File ID: J:\GC23\DATA\011205\0112F036.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4116

Sample Amount: 14.01 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 Ui	7.2	2.3	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.7 Ui	7.7	7.7	
5103-74-2	gamma-Chlordane†	35 PD	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 Ui	7.2	3.1	
60-57-1	Dieldrin	7.2 Ui	7.2	6.5	
72-55-9	4,4'-DDE	23 PD	7.2	0.86	
72-20-8	Endrin	7.2 Ui	7.2	1.2	
33213-65-9	Endosulfan II	7.2 Ui	7.2	3.0	
72-54-8	4,4'-DDD	7.2 Ui	7.2	3.1	
7421-93-4	Endrin Aldehyde	9.8 Ui	9.8	9.8	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	67 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 Ui	7.2	3.9	
72-43-5	Methoxychlor	7.2 Ui	7.2	2.5	
8001-35-2	Toxaphene	480 Ui	480	480	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	5.9	
53-19-0	2,4'-DDD	9.6 Ui	9.6	9.6	
789-02-6	2,4'-DDT	77 D	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-HP-comp-1DL
Lab Code: K2409451-043
File ID: J:\GC23\DATA\011205\0112F036.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	90	30-150	01/13/05	Acceptable
Decachlorobiphenyl	54	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-4
Lab Code: K2409451-044
File ID: J:\GC23\DATA\011005\0110F053.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
118-74-1	Hexachlorobenzene	1.5	U	1.5	0.49	
319-85-7	beta-BHC	2.1	Ui	2.1	2.1	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	0.93	JP	1.5	0.22	
5103-74-2	gamma-Chlordane†	2.0		1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	1.3	J	1.5	0.16	
72-55-9	4,4'-DDE	1.2	JP	1.5	0.18	
72-20-8	Endrin	1.5	U	1.5	0.15	
33213-65-9	Endosulfan II	1.5	U	1.5	0.50	
72-54-8	4,4'-DDD	1.5	Ui	1.5	1.2	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	0.43	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	3.7	P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	1.5	U	1.5	0.39	
8001-35-2	Toxaphene	72	Ui	72	72	
3424-82-6	2,4'-DDE	1.5	Ui	1.5	1.1	
53-19-0	2,4'-DDD	1.9	P	1.5	0.26	
789-02-6	2,4'-DDT	3.7		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-4
Lab Code: K2409451-044
File ID: J:\GC23\DATA\011005\0110F053.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	83	30-150	01/11/05	Acceptable
Decachlorobiphenyl	51	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-5
Lab Code: K2409451-045
File ID: J:\GC23\DATA\011005\0110F054.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5 U	1.5	0.49	
319-84-6	alpha-BHC	1.5 U	1.5	0.23	
319-85-7	beta-BHC	2.5 Ui	2.5	2.5	
58-89-9	gamma-BHC (Lindane)	1.5 U	1.5	0.40	
319-86-8	delta-BHC	1.5 U	1.5	0.49	
76-44-8	Heptachlor	1.5 U	1.5	0.65	
309-00-2	Aldrin	1.5 U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	2.6 P	1.5	0.22	
5103-74-2	gamma-Chlordane†	3.5	1.5	0.20	
959-98-8	Endosulfan I	1.5 U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5 JP	1.5	0.52	
60-57-1	Dieldrin	2.5 Ui	2.5	2.5	
72-55-9	4,4'-DDE	2.3 P	1.5	0.18	
72-20-8	Endrin	1.5 Ui	1.5	0.38	
33213-65-9	Endosulfan II	1.5 Ui	1.5	1.5	
72-54-8	4,4'-DDD	1.5 Ui	1.5	1.5	
7421-93-4	Endrin Aldehyde	0.83 JP	1.5	0.25	
1031-07-8	Endosulfan Sulfate	1.5 U	1.5	0.39	
50-29-3	4,4'-DDT	8.0 P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5 U	1.5	0.42	
72-43-5	Methoxychlor	1.5 U	1.5	0.39	
8001-35-2	Toxaphene	91 Ui	91	91	
3424-82-6	2,4'-DDE	1.5 Ui	1.5	1.5	
53-19-0	2,4'-DDD	3.3 P	1.5	0.26	
789-02-6	2,4'-DDT	8.5	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-5
Lab Code: K2409451-045
File ID: J:\GC23\DATA\011005\0110F054.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	30-150	01/11/05	Acceptable
Decachlorobiphenyl	53	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-6
Lab Code: K2409451-046
File ID: J:\GC23\DATA\011005\0110F055.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5 U	1.5	0.49	
319-84-6	alpha-BHC	1.5 U	1.5	0.23	
319-85-7	beta-BHC	8.2 Ui	8.2	8.2	
58-89-9	gamma-BHC (Lindane)	1.5 U	1.5	0.40	
319-86-8	delta-BHC	1.5 Ui	1.5	1.2	
76-44-8	Heptachlor	1.5 U	1.5	0.65	
309-00-2	Aldrin	1.5 U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	1.4 J	1.5	0.22	
5103-74-2	gamma-Chlordane†	2.5	1.5	0.20	
959-98-8	Endosulfan I	1.5 U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5 U	1.5	0.52	
60-57-1	Dieldrin	1.5 Ui	1.5	1.5	
72-55-9	4,4'-DDE	1.7 P	1.5	0.18	
72-20-8	Endrin	5.0 Ui	5.0	5.0	
33213-65-9	Endosulfan II	1.5 U	1.5	0.50	
72-54-8	4,4'-DDD	1.5 Ui	1.5	1.5	
7421-93-4	Endrin Aldehyde	1.5 Ui	1.5	0.63	
1031-07-8	Endosulfan Sulfate	1.5 U	1.5	0.39	
50-29-3	4,4'-DDT	5.7 P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5 U	1.5	0.42	
72-43-5	Methoxychlor	1.5 Ui	1.5	0.46	
8001-35-2	Toxaphene	72 Ui	72	72	
3424-82-6	2,4'-DDE	1.5 Ui	1.5	1.5	
53-19-0	2,4'-DDD	1.5 Ui	1.5	1.5	
789-02-6	2,4'-DDT	6.4	1.5	0.32	
2385-85-5	Mirex	1.5 U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-EM-comp-6
Lab Code: K2409451-046
File ID: J:\GC23\DATA\011005\0110F055.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	83	30-150	01/11/05	Acceptable
Decachlorobiphenyl	53	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-HP-comp-2
Lab Code: K2409451-047
File ID: J:\GC23\DATA\011005\0110F056.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	Ui	1.5	1.5	
319-84-6	alpha-BHC	0.41	JP	1.5	0.23	
319-85-7	beta-BHC	2.1	Ui	2.1	2.1	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	Ui	1.5	1.5	
76-44-8	Heptachlor	1.5	Ui	1.5	1.0	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	6.1	Ui	6.1	6.1	
5103-74-2	gamma-Chlordane†	28	P	1.5	0.20	
959-98-8	Endosulfan I	1.5	Ui	1.5	1.5	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	7.5	Ui	7.5	7.5	
72-55-9	4,4'-DDE	19	P	1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	3.6	Ui	3.6	3.6	
72-54-8	4,4'-DDD	3.3	Ui	3.3	3.3	
7421-93-4	Endrin Aldehyde	8.4	Ui	8.4	8.4	
1031-07-8	Endosulfan Sulfate	1.5	Ui	1.5	0.66	
50-29-3	4,4'-DDT	55		1.5	0.55	
53494-70-5	Endrin Ketone	2.5	Ui	2.5	2.5	
72-43-5	Methoxychlor	2.1	Ui	2.1	2.1	
8001-35-2	Toxaphene	320	Ui	320	320	
3424-82-6	2,4'-DDE	2.8	Ui	2.8	2.8	
53-19-0	2,4'-DDD	8.9	Ui	8.9	8.9	
789-02-6	2,4'-DDT	64	E	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-HP-comp-2
Lab Code: K2409451-047
File ID: J:\GC23\DATA\011005\0110F056.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	89	30-150	01/11/05	Acceptable
Decachlorobiphenyl	45	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-HP-comp-2DL
 Lab Code: K2409451-047
 File ID: J:\GC23\DATA\011205\0112F037.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4116

Sample Amount: 14.02 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 Ui	7.2	3.2	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	9.0 Ui	9.0	9.0	
5103-74-2	gamma-Chlordane†	36 PD	7.2	1.0	
959-98-8	Endosulfan I	7.2 Ui	7.2	1.8	
5103-71-9	alpha-Chlordane	7.2 Ui	7.2	3.9	
60-57-1	Dieldrin	8.4 Ui	8.4	8.4	
72-55-9	4,4'-DDE	24 PD	7.2	0.86	
72-20-8	Endrin	71 Ui	71	71	
33213-65-9	Endosulfan II	7.2 Ui	7.2	4.8	
72-54-8	4,4'-DDD	7.2 Ui	7.2	6.7	
7421-93-4	Endrin Aldehyde	11 Ui	11	11	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	68 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 Ui	7.2	3.6	
72-43-5	Methoxychlor	7.2 Ui	7.2	3.4	
8001-35-2	Toxaphene	590 Ui	590	590	
3424-82-6	2,4'-DDE	7.3 Ui	7.3	7.3	
53-19-0	2,4'-DDD	14 Ui	14	14	
789-02-6	2,4'-DDT	89 D	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-SC-HP-comp-2DL
Lab Code: K2409451-047
File ID: J:\GC23\DATA\011205\0112F037.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	98	30-150	01/13/05	Acceptable
Decachlorobiphenyl	44	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-EM-comp-1
Lab Code: K2409451-048
File ID: J:\GC23\DATA\011005\0110F057.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	U	1.5	0.49	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	1.5	Ui	1.5	1.5	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	1.5	Ui	1.5	0.83	
5103-74-2	gamma-Chlordane†	2.7	P	1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	1.5	Ui	1.5	0.84	
72-55-9	4,4'-DDE	1.7	P	1.5	0.18	
72-20-8	Endrin	1.5	U	1.5	0.15	
33213-65-9	Endosulfan II	1.5	U	1.5	0.50	
72-54-8	4,4'-DDD	1.5	Ui	1.5	1.5	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	0.55	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	4.9		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	27	B	1.5	0.39	
8001-35-2	Toxaphene	160	Ui	160	160	
3424-82-6	2,4'-DDE	1.5	Ui	1.5	1.5	
53-19-0	2,4'-DDD	2.6	P	1.5	0.26	
789-02-6	2,4'-DDT	6.3		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-EM-comp-1
Lab Code: K2409451-048
File ID: J:\GC23\DATA\011005\0110F057.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	30-150	01/11/05	Acceptable
Decachlorobiphenyl	55	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-EM-comp-2
Lab Code: K2409451-049
File ID: J:\GC23\DATA\011005\0110F065.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	U	1.5	0.49	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	2.5	Ui	2.5	2.5	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	U	1.5	0.29	
1024-57-3	Heptachlor Epoxide	1.8	P	1.5	0.22	
5103-74-2	gamma-Chlordane†	4.4	P	1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	1.5	Ui	1.5	1.5	
72-55-9	4,4'-DDE	2.0	P	1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	1.5	U	1.5	0.50	
72-54-8	4,4'-DDD	1.5	Ui	1.5	1.2	
7421-93-4	Endrin Aldehyde	1.6		1.5	0.25	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	6.5		1.5	0.55	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	84	E	1.5	0.39	
8001-35-2	Toxaphene	90	Ui	90	90	
3424-82-6	2,4'-DDE	1.8	Ui	1.8	1.8	
53-19-0	2,4'-DDD	2.8	P	1.5	0.26	
789-02-6	2,4'-DDT	8.0		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-EM-comp-2
Lab Code: K2409451-049
File ID: J:\GC23\DATA\011005\0110F065.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	67	30-150	01/11/05	Acceptable
Decachlorobiphenyl	57	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 09/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-EM-comp-2DL
 Lab Code: K2409451-049
 File ID: J:\GC23\DATA\011905\0119F016.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4164

Sample Amount: 14.03 g
 % Solids: NA
 Dilution Factor: 10

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	15	U	15	4.9	
319-84-6	alpha-BHC	15	U	15	2.3	
319-85-7	beta-BHC	15	U	15	3.0	
58-89-9	gamma-BHC (Lindane)	15	U	15	4.0	
319-86-8	delta-BHC	15	U	15	4.9	
76-44-8	Heptachlor	15	U	15	6.5	
309-00-2	Aldrin	15	U	15	2.9	
1024-57-3	Heptachlor Epoxide	3.0	JPD	15	2.2	
5103-74-2	gamma-Chlordane†	6.3	JPD	15	2.0	
959-98-8	Endosulfan I	15	U	15	1.9	
5103-71-9	alpha-Chlordane	15	U	15	5.2	
60-57-1	Dieldrin	15	U	15	1.6	
72-55-9	4,4'-DDE	3.2	JPD	15	1.8	
72-20-8	Endrin	15	U	15	1.5	
33213-65-9	Endosulfan II	15	U	15	5.0	
72-54-8	4,4'-DDD	15	Ui	15	3.0	
7421-93-4	Endrin Aldehyde	2.8	JD	15	2.5	
1031-07-8	Endosulfan Sulfate	15	U	15	3.9	
50-29-3	4,4'-DDT	10	JD	15	5.5	
53494-70-5	Endrin Ketone	15	U	15	4.2	
72-43-5	Methoxychlor	130	D	15	3.9	
8001-35-2	Toxaphene	720	Ui	720	160	
3424-82-6	2,4'-DDE	15	Ui	15	2.4	
53-19-0	2,4'-DDD	5.2	JPD	15	2.6	
789-02-6	2,4'-DDT	12	JD	15	3.2	
2385-85-5	Mirex	15	U	15	3.9	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/20/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-EM-comp-2DL
Lab Code: K2409451-049
File ID: J:\GC23\DATA\011905\0119F016.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4164

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	91	30-150	01/20/05	Acceptable
Decachlorobiphenyl	90	30-150	01/20/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-EM-comp-3
Lab Code: K2409451-050
File ID: J:\GC23\DATA\011005\0110F066.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
118-74-1	Hexachlorobenzene	1.5	U	1.5	0.49	
319-85-7	beta-BHC	5.4	Ui	5.4	5.4	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	Ui	1.5	1.1	
1024-57-3	Heptachlor Epoxide	2.3	P	1.5	0.22	
5103-74-2	gamma-Chlordane†	4.5	P	1.5	0.20	
959-98-8	Endosulfan I	0.34	J	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	2.0	Ui	2.0	2.0	
72-55-9	4,4'-DDE	3.4		1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	0.78	
33213-65-9	Endosulfan II	1.5	U	1.5	0.50	
72-54-8	4,4'-DDD	1.5	Ui	1.5	1.4	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	6.8	P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5	U	1.5	0.42	
72-43-5	Methoxychlor	1.5	U	1.5	0.39	
8001-35-2	Toxaphene	120	Ui	120	120	
3424-82-6	2,4'-DDE	1.9	Ui	1.9	1.9	
53-19-0	2,4'-DDD	1.5	Ui	1.5	1.5	
789-02-6	2,4'-DDT	8.2		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-EM-comp-3
Lab Code: K2409451-050
File ID: J:\GC23\DATA\011005\0110F066.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	30-150	01/11/05	Acceptable
Decachlorobiphenyl	59	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-HP-comp-1
Lab Code: K2409451-051
File ID: J:\GC23\DATA\011005\0110F067.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.5	U	1.5	0.49	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	1.5	Ui	1.5	1.5	
58-89-9	gamma-BHC (Lindane)	1.5	U	1.5	0.40	
319-86-8	delta-BHC	1.5	Ui	1.5	1.5	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	Ui	1.5	1.5	
1024-57-3	Heptachlor Epoxide	3.1	Ui	3.1	3.1	
5103-74-2	gamma-Chlordane†	17	P	1.5	0.20	
959-98-8	Endosulfan I	2.1		1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	7.4	Ui	7.4	7.4	
72-55-9	4,4'-DDE	9.3	P	1.5	0.18	
72-20-8	Endrin	1.5	Ui	1.5	1.3	
33213-65-9	Endosulfan II	2.5	Ui	2.5	2.5	
72-54-8	4,4'-DDD	1.5	Ui	1.5	0.57	
7421-93-4	Endrin Aldehyde	1.9	Ui	1.9	1.9	
1031-07-8	Endosulfan Sulfate	1.5	Ui	1.5	0.63	
50-29-3	4,4'-DDT	31	P	1.5	0.55	
53494-70-5	Endrin Ketone	2.6	Ui	2.6	2.6	
72-43-5	Methoxychlor	1.5	Ui	1.5	1.5	
8001-35-2	Toxaphene	420	Ui	420	420	
3424-82-6	2,4'-DDE	1.5	Ui	1.5	1.5	
53-19-0	2,4'-DDD	4.6	Ui	4.6	4.6	
789-02-6	2,4'-DDT	38		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-HP-comp-1
Lab Code: K2409451-051
File ID: J:\GC23\DATA\011005\0110F067.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	30-150	01/11/05	Acceptable
Decachlorobiphenyl	48	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 09/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-HP-comp-1DL
 Lab Code: K2409451-051
 File ID: J:\GC23\DATA\011205\0112F045.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4116

Sample Amount: 14.02 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2 Ui	7.2	4.5	
5103-74-2	gamma-Chlordane†	23 PD	7.2	1.0	
959-98-8	Endosulfan I	3.4 JD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 Ui	7.2	3.6	
60-57-1	Dieldrin	7.2 Ui	7.2	6.3	
72-55-9	4,4'-DDE	19 PD	7.2	0.86	
72-20-8	Endrin	48 Ui	48	48	
33213-65-9	Endosulfan II	7.2 Ui	7.2	2.9	
72-54-8	4,4'-DDD	1.6 JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	6.4	
1031-07-8	Endosulfan Sulfate	7.2 Ui	7.2	5.7	
50-29-3	4,4'-DDT	45 PD	7.2	2.8	
53494-70-5	Endrin Ketone	20 Ui	20	20	
72-43-5	Methoxychlor	7.2 U	7.2	2.0	
8001-35-2	Toxaphene	360 Ui	360	320	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	1.7	
53-19-0	2,4'-DDD	7.2 Ui	7.2	7.2	
789-02-6	2,4'-DDT	53 D	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-SC-HP-comp-1DL
Lab Code: K2409451-051
File ID: J:\GC23\DATA\011205\0112F045.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	90	30-150	01/13/05	Acceptable
Decachlorobiphenyl	54	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-DC-EM-comp-1
Lab Code: K2409451-052
File ID: J:\GC23\DATA\011005\0110F068.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	0.65	J	1.5	0.49	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	1.6	Ui	1.6	1.6	
58-89-9	gamma-BHC (Lindane)	3.9		1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	Ui	1.5	1.3	
1024-57-3	Heptachlor Epoxide	1.7	Ui	1.7	1.7	
5103-74-2	gamma-Chlordane†	3.0		1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	5.2	Ui	5.2	5.2	
72-55-9	4,4'-DDE	2.8		1.5	0.18	*
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	1.5	Ui	1.5	1.5	
72-54-8	4,4'-DDD	2.7	Ui	2.7	2.7	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5	Ui	1.5	1.5	
50-29-3	4,4'-DDT	6.9	P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	1.5	U	1.5	0.39	
8001-35-2	Toxaphene	130	Ui	130	130	
3424-82-6	2,4'-DDE	1.6	Ui	1.6	1.6	
53-19-0	2,4'-DDD	1.5	Ui	1.5	1.5	
789-02-6	2,4'-DDT	8.4	P	1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-DC-EM-comp-1
Lab Code: K2409451-052
File ID: J:\GC23\DATA\011005\0110F068.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	83	30-150	01/11/05	Acceptable
Decachlorobiphenyl	55	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-DC-HP-comp-1
Lab Code: K2409451-053
File ID: J:\GC23\DATA\011005\0110F070.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	15	U	15	4.9	
319-84-6	alpha-BHC	15	U	15	2.3	
319-85-7	beta-BHC	15	U	15	3.0	
58-89-9	gamma-BHC (Lindane)	15	U	15	4.0	
319-86-8	delta-BHC	15	U	15	4.9	
76-44-8	Heptachlor	15	U	15	6.5	
309-00-2	Aldrin	15	U	15	2.9	
1024-57-3	Heptachlor Epoxide	15	Ui	15	15	
5103-74-2	gamma-Chlordane†	49	PD	15	2.0	
959-98-8	Endosulfan I	15	U	15	1.9	
5103-71-9	alpha-Chlordane	15	U	15	5.2	
60-57-1	Dieldrin	15	Ui	15	15	
72-55-9	4,4'-DDE	15	JPD	15	1.8	
72-20-8	Endrin	15	Ui	15	3.3	
33213-65-9	Endosulfan II	15	Ui	15	13	
72-54-8	4,4'-DDD	15	U	15	1.9	
7421-93-4	Endrin Aldehyde	15	Ui	15	15	
1031-07-8	Endosulfan Sulfate	15	U	15	3.9	
50-29-3	4,4'-DDT	120	PD	15	5.5	
53494-70-5	Endrin Ketone	15	Ui	15	15	
72-43-5	Methoxychlor	15	U	15	3.9	
8001-35-2	Toxaphene	2100	Ui	2100	2100	
3424-82-6	2,4'-DDE	15	Ui	15	15	
53-19-0	2,4'-DDD	22	Ui	22	22	
789-02-6	2,4'-DDT	150	PD	15	3.2	
2385-85-5	Mirex	15	U	15	3.9	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-DC-HP-comp-1
Lab Code: K2409451-053
File ID: J:\GC23\DATA\011005\0110F070.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 10

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	30-150	01/12/05	Acceptable
Decachlorobiphenyl	45	30-150	01/12/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Batch QCDUP
Lab Code: KWG0419519-1
File ID: J:\GC23\DATA\010705\0107F017.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.0 Ui	1.0	0.80	
319-84-6	alpha-BHC	0.66 JP	1.0	0.16	
319-85-7	beta-BHC	1.0 Ui	1.0	1.0	
58-89-9	gamma-BHC (Lindane)	1.0 U	1.0	0.28	
319-86-8	delta-BHC	1.0 U	1.0	0.34	
76-44-8	Heptachlor	1.1 Ui	1.1	1.1	
309-00-2	Aldrin	1.0 U	1.0	0.20	
1024-57-3	Heptachlor Epoxide	1.0 Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	17	1.0	0.14	
959-98-8	Endosulfan I	2.0 Ui	2.0	2.0	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	1.0 Ui	1.0	1.0	
72-55-9	4,4'-DDE	7.3 Ui	7.3	7.3	
72-20-8	Endrin	3.5 Ui	3.5	3.5	
33213-65-9	Endosulfan II	1.9 Ui	1.9	1.9	
72-54-8	4,4'-DDD	2.6	1.0	0.13	
7421-93-4	Endrin Aldehyde	3.1 P	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	54 E	1.0	0.38	
53494-70-5	Endrin Ketone	1.0 Ui	1.0	0.95	
72-43-5	Methoxychlor	1.7 Ui	1.7	1.7	
8001-35-2	Toxaphene	450 Ui	450	450	
3424-82-6	2,4'-DDE	1.0 Ui	1.0	1.0	
53-19-0	2,4'-DDD	5.7 Ui	5.7	5.7	
789-02-6	2,4'-DDT	44 E	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Batch QCDUP
Lab Code: KWG0419519-1
File ID: J:\GC23\DATA\010705\0107F017.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	72	30-150	01/08/05	Acceptable
Decachlorobiphenyl	66	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: Batch QCDUP
Lab Code: KWG0419519-1
File ID: J:\GC23\DATA\011005\0110F089.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	5.0 U	5.0	1.7	
319-84-6	alpha-BHC	5.0 U	5.0	0.80	
319-85-7	beta-BHC	5.0 Ui	5.0	5.0	
58-89-9	gamma-BHC (Lindane)	5.0 U	5.0	1.4	
319-86-8	delta-BHC	5.0 U	5.0	1.7	
76-44-8	Heptachlor	5.0 U	5.0	2.3	
309-00-2	Aldrin	5.0 U	5.0	1.0	
1024-57-3	Heptachlor Epoxide	15 Ui	15	15	
5103-74-2	gamma-Chlordane†	19 D	5.0	0.70	
959-98-8	Endosulfan I	1.7 JD	5.0	0.65	
5103-71-9	alpha-Chlordane	5.0 U	5.0	1.8	
60-57-1	Dieldrin	5.0 U	5.0	0.55	
72-55-9	4,4'-DDE	8.2 D	5.0	0.60	
72-20-8	Endrin	35 D	5.0	0.50	
33213-65-9	Endosulfan II	5.0 Ui	5.0	2.3	
72-54-8	4,4'-DDD	3.2 JD	5.0	0.65	
7421-93-4	Endrin Aldehyde	5.7 PD	5.0	0.85	
1031-07-8	Endosulfan Sulfate	5.0 U	5.0	1.4	
50-29-3	4,4'-DDT	49 D	5.0	1.9	
53494-70-5	Endrin Ketone	29 D	5.0	1.5	
72-43-5	Methoxychlor	2.1 BJD	5.0	1.4	
8001-35-2	Toxaphene	540 D	250	29	
3424-82-6	2,4'-DDE	10 D	5.0	0.48	
53-19-0	2,4'-DDD	7.4 Ui	7.4	7.4	
789-02-6	2,4'-DDT	55 D	5.0	1.1	
2385-85-5	Mirex	5.0 U	5.0	1.4	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: Batch QCDUP
Lab Code: KWG0419519-1
File ID: J:\GC23\DATA\011005\0110F089.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	30-150	01/12/05	Acceptable
Decachlorobiphenyl	80	30-150	01/12/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-2DUP
Lab Code: KWG0419584-1
File ID: J:\GC23\DATA\011005\0110F030.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	4.1	1.0	0.34	
319-84-6	alpha-BHC	1.0 U	1.0	0.16	
319-85-7	beta-BHC	3.7 P	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.0 Ui	1.0	1.0	
319-86-8	delta-BHC	1.0 Ui	1.0	1.0	
76-44-8	Heptachlor	1.0 U	1.0	0.45	
309-00-2	Aldrin	5.9 P	1.0	0.20	
1024-57-3	Heptachlor Epoxide	4.4 Ui	4.4	4.4	
5103-74-2	gamma-Chlordane†	18	1.0	0.14	
959-98-8	Endosulfan I	2.0	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	2.0 Ui	2.0	2.0	
72-55-9	4,4'-DDE	8.2 P	1.0	0.12	
72-20-8	Endrin	1.8 Ui	1.8	1.8	
33213-65-9	Endosulfan II	2.7 Ui	2.7	2.7	
72-54-8	4,4'-DDD	6.4	1.0	0.13	
7421-93-4	Endrin Aldehyde	1.3 Ui	1.3	1.3	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	31	1.0	0.38	
53494-70-5	Endrin Ketone	1.9 Ui	1.9	1.9	
72-43-5	Methoxychlor	1.0 Ui	1.0	1.0	
8001-35-2	Toxaphene	450 Ui	450	450	
3424-82-6	2,4'-DDE	2.9 Ui	2.9	2.9	
53-19-0	2,4'-DDD	6.2 Ui	6.2	6.2	
789-02-6	2,4'-DDT	41 E	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-2DUP
Lab Code: KWG0419584-1
File ID: J:\GC23\DATA\011005\0110F030.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	30-150	01/11/05	Acceptable
Decachlorobiphenyl	64	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-2DUP
 Lab Code: KWG0419584-1
 File ID: J:\GC23\DATA\011205\0112F034.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 20.03 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	4.3	JD	5.0	1.7	
319-84-6	alpha-BHC	5.0	Ui	5.0	1.3	
319-85-7	beta-BHC	5.0	Ui	5.0	3.4	
58-89-9	gamma-BHC (Lindane)	5.0	Ui	5.0	2.1	
319-86-8	delta-BHC	140	Ui	140	140	
76-44-8	Heptachlor	5.0	U	5.0	2.3	
309-00-2	Aldrin	14	Ui	14	14	
1024-57-3	Heptachlor Epoxide	6.3	Ui	6.3	6.3	
5103-74-2	gamma-Chlordane†	27	D	5.0	0.70	
959-98-8	Endosulfan I	4.4	JD	5.0	0.65	
5103-71-9	alpha-Chlordane	5.0	U	5.0	1.8	
60-57-1	Dieldrin	5.0	Ui	5.0	1.9	
72-55-9	4,4'-DDE	12	PD	5.0	0.60	
72-20-8	Endrin	5.0	Ui	5.0	3.3	
33213-65-9	Endosulfan II	5.0	Ui	5.0	4.1	
72-54-8	4,4'-DDD	8.3	D	5.0	0.65	
7421-93-4	Endrin Aldehyde	8.7	Ui	8.7	8.7	
1031-07-8	Endosulfan Sulfate	5.0	U	5.0	1.4	
50-29-3	4,4'-DDT	44	D	5.0	1.9	
53494-70-5	Endrin Ketone	5.0	Ui	5.0	2.3	
72-43-5	Methoxychlor	5.0	U	5.0	1.4	
8001-35-2	Toxaphene	440	Ui	440	440	
3424-82-6	2,4'-DDE	6.3	Ui	6.3	6.3	
53-19-0	2,4'-DDD	9.5	Ui	9.5	9.5	
789-02-6	2,4'-DDT	57	D	5.0	1.1	
2385-85-5	Mirex	5.0	U	5.0	1.4	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/13/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-2DUP
Lab Code: KWG0419584-1
File ID: J:\GC23\DATA\011205\0112F034.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	88	30-150	01/13/05	Acceptable
Decachlorobiphenyl	90	30-150	01/13/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-DC-EM-comp-1DU
Lab Code: KWG0419714-1
File ID: J:\GC23\DATA\011005\0110F069.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.2	JP	1.5	0.49	
319-84-6	alpha-BHC	1.5	U	1.5	0.23	
319-85-7	beta-BHC	1.5	U	1.5	0.30	
58-89-9	gamma-BHC (Lindane)	4.1	P	1.5	0.40	
319-86-8	delta-BHC	1.5	U	1.5	0.49	
76-44-8	Heptachlor	1.5	U	1.5	0.65	
309-00-2	Aldrin	1.5	Ui	1.5	1.1	
1024-57-3	Heptachlor Epoxide	1.2	JP	1.5	0.22	
5103-74-2	gamma-Chlordane†	3.0		1.5	0.20	
959-98-8	Endosulfan I	1.5	U	1.5	0.19	
5103-71-9	alpha-Chlordane	1.5	U	1.5	0.52	
60-57-1	Dieldrin	4.1	Ui	4.1	4.1	
72-55-9	4,4'-DDE	2.0		1.5	0.18	*
72-20-8	Endrin	1.5	U	1.5	0.15	
33213-65-9	Endosulfan II	1.5	Ui	1.5	1.5	
72-54-8	4,4'-DDD	1.5	Ui	1.5	1.4	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.5	U	1.5	0.39	
50-29-3	4,4'-DDT	6.1	P	1.5	0.55	
53494-70-5	Endrin Ketone	1.5	Ui	1.5	1.5	
72-43-5	Methoxychlor	1.5	U	1.5	0.39	
8001-35-2	Toxaphene	120	Ui	120	120	
3424-82-6	2,4'-DDE	1.5	Ui	1.5	1.5	
53-19-0	2,4'-DDD	1.5	Ui	1.5	1.5	
789-02-6	2,4'-DDT	7.6		1.5	0.32	
2385-85-5	Mirex	1.5	U	1.5	0.39	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-DC-EM-comp-1DU
Lab Code: KWG0419714-1
File ID: J:\GC23\DATA\011005\0110F069.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	92	30-150	01/12/05	Acceptable
Decachlorobiphenyl	61	30-150	01/12/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/07/2005

Organochlorine Pesticides

Sample Name: Method Blank
 Lab Code: KWG0419519-7
 File ID: J:\GC23\DATA\010705\0107F008.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 20.02 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.0 U	1.0	0.34	
319-84-6	alpha-BHC	1.0 U	1.0	0.16	
319-85-7	beta-BHC	1.0 U	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.0 U	1.0	0.28	
319-86-8	delta-BHC	1.0 U	1.0	0.34	
76-44-8	Heptachlor	1.0 U	1.0	0.45	
309-00-2	Aldrin	1.0 U	1.0	0.20	
1024-57-3	Heptachlor Epoxide	1.0 U	1.0	0.15	
5103-74-2	gamma-Chlordane†	1.0 U	1.0	0.14	
959-98-8	Endosulfan I	1.0 U	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	1.0 U	1.0	0.11	
72-55-9	4,4'-DDE	1.0 U	1.0	0.12	
72-20-8	Endrin	1.0 U	1.0	0.099	
33213-65-9	Endosulfan II	1.0 U	1.0	0.35	
72-54-8	4,4'-DDD	1.0 U	1.0	0.13	
7421-93-4	Endrin Aldehyde	1.0 U	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	1.0 U	1.0	0.38	
53494-70-5	Endrin Ketone	1.0 U	1.0	0.29	
72-43-5	Methoxychlor	5.3	1.0	0.27	
8001-35-2	Toxaphene	50 U	50	5.8	
3424-82-6	2,4'-DDE	1.0 U	1.0	0.096	
53-19-0	2,4'-DDD	1.0 U	1.0	0.18	
789-02-6	2,4'-DDT	1.0 U	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG0419519-7
File ID: J:\GC23\DATA\010705\0107F008.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	30-150	01/07/05	Acceptable
Decachlorobiphenyl	95	30-150	01/07/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG0419584-7
File ID: J:\GC23\DATA\010705\0107F050.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.07 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.0 U	1.0	0.34	
319-84-6	alpha-BHC	1.0 U	1.0	0.16	
319-85-7	beta-BHC	1.0 U	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.0 U	1.0	0.28	
319-86-8	delta-BHC	1.0 U	1.0	0.34	
76-44-8	Heptachlor	1.0 U	1.0	0.45	
309-00-2	Aldrin	1.0 U	1.0	0.20	
1024-57-3	Heptachlor Epoxide	1.0 U	1.0	0.15	
5103-74-2	gamma-Chlordane†	1.0 U	1.0	0.14	
959-98-8	Endosulfan I	1.0 U	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	1.0 U	1.0	0.11	
72-55-9	4,4'-DDE	1.0 U	1.0	0.12	
72-20-8	Endrin	1.0 U	1.0	0.099	
33213-65-9	Endosulfan II	1.0 U	1.0	0.35	
72-54-8	4,4'-DDD	1.0 U	1.0	0.13	
7421-93-4	Endrin Aldehyde	1.0 U	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	1.0 U	1.0	0.38	
53494-70-5	Endrin Ketone	1.0 U	1.0	0.29	
72-43-5	Methoxychlor	2.0	1.0	0.27	
8001-35-2	Toxaphene	50 U	50	5.8	
3424-82-6	2,4'-DDE	1.0 U	1.0	0.096	
53-19-0	2,4'-DDD	1.0 U	1.0	0.18	
789-02-6	2,4'-DDT	1.0 U	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG0419584-7
File ID: J:\GC23\DATA\010705\0107F050.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.07 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	71	30-150	01/08/05	Acceptable
Decachlorobiphenyl	77	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/15/2004
 Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: Method Blank
 Lab Code: KWG0419714-7
 File ID: J:\GC23\DATA\011005\0110F032.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4116

Sample Amount: 20.02 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.0 U	1.0	0.34	
319-84-6	alpha-BHC	1.0 U	1.0	0.16	
319-85-7	beta-BHC	1.0 U	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.0 U	1.0	0.28	
319-86-8	delta-BHC	1.0 U	1.0	0.34	
76-44-8	Heptachlor	1.0 U	1.0	0.45	
309-00-2	Aldrin	1.0 U	1.0	0.20	
1024-57-3	Heptachlor Epoxide	1.0 U	1.0	0.15	
5103-74-2	gamma-Chlordane†	1.0 U	1.0	0.14	
959-98-8	Endosulfan I	1.0 U	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	1.0 U	1.0	0.11	
72-55-9	4,4'-DDE	1.0 U	1.0	0.12	
72-20-8	Endrin	1.0 U	1.0	0.099	
33213-65-9	Endosulfan II	1.0 U	1.0	0.35	
72-54-8	4,4'-DDD	1.0 U	1.0	0.13	
7421-93-4	Endrin Aldehyde	1.0 U	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	1.0 U	1.0	0.38	
53494-70-5	Endrin Ketone	1.0 U	1.0	0.29	
72-43-5	Methoxychlor	1.4	1.0	0.27	
8001-35-2	Toxaphene	50 U	50	5.8	
3424-82-6	2,4'-DDE	1.0 U	1.0	0.096	
53-19-0	2,4'-DDD	1.0 U	1.0	0.18	
789-02-6	2,4'-DDT	1.0 U	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG0419714-7
File ID: J:\GC23\DATA\011005\0110F032.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	91	30-150	01/11/05	Acceptable
Decachlorobiphenyl	87	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Batch QC
 Lab Code: K2409445-022
 File ID: J:\GC23\DATA\010705\0107F016.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 20.01 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.0	Ui	1.0	0.66	
319-84-6	alpha-BHC	1.0	U	1.0	0.16	
319-85-7	beta-BHC	1.0	Ui	1.0	1.0	
58-89-9	gamma-BHC (Lindane)	1.0	U	1.0	0.28	
319-86-8	delta-BHC	1.0	U	1.0	0.34	
76-44-8	Heptachlor	1.0	Ui	1.0	1.0	
309-00-2	Aldrin	1.0	U	1.0	0.20	
1024-57-3	Heptachlor Epoxide	1.0	Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	18		1.0	0.14	
959-98-8	Endosulfan I	2.2	Ui	2.2	2.2	
5103-71-9	alpha-Chlordane	1.0	Ui	1.0	1.0	
60-57-1	Dieldrin	1.0	Ui	1.0	1.0	
72-55-9	4,4'-DDE	5.6	Ui	5.6	5.6	
72-20-8	Endrin	3.4	Ui	3.4	3.4	
33213-65-9	Endosulfan II	2.0	Ui	2.0	2.0	
72-54-8	4,4'-DDD	2.2		1.0	0.13	
7421-93-4	Endrin Aldehyde	3.4	P	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0	Ui	1.0	0.34	
50-29-3	4,4'-DDT	29		1.0	0.38	
53494-70-5	Endrin Ketone	2.1	Ui	2.1	2.1	
72-43-5	Methoxychlor	1.2	Ui	1.2	1.2	
8001-35-2	Toxaphene	400	Ui	400	400	
3424-82-6	2,4'-DDE	1.0	Ui	1.0	1.0	
53-19-0	2,4'-DDD	5.6	Ui	5.6	5.6	
789-02-6	2,4'-DDT	43	E	1.0	0.22	
2385-85-5	Mirex	1.0	Ui	1.0	1.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Batch QC
Lab Code: K2409445-022
File ID: J:\GC23\DATA\010705\0107F016.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	30-150	01/08/05	Acceptable
Decachlorobiphenyl	67	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: Batch QC DL
 Lab Code: K2409445-022
 File ID: J:\GC23\DATA\011005\0110F088.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 20.01 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	5.0 U	5.0	1.7	
319-84-6	alpha-BHC	5.0 U	5.0	0.80	
319-85-7	beta-BHC	5.0 U	5.0	1.1	
58-89-9	gamma-BHC (Lindane)	5.0 U	5.0	1.4	
319-86-8	delta-BHC	5.0 U	5.0	1.7	
76-44-8	Heptachlor	5.0 U	5.0	2.3	
309-00-2	Aldrin	5.0 Ui	5.0	4.8	
1024-57-3	Heptachlor Epoxide	16 Ui	16	16	
5103-74-2	gamma-Chlordane†	19 D	5.0	0.70	
959-98-8	Endosulfan I	5.0 Ui	5.0	1.7	
5103-71-9	alpha-Chlordane	5.0 U	5.0	1.8	
60-57-1	Dieldrin	5.0 U	5.0	0.55	
72-55-9	4,4'-DDE	8.3 Ui	8.3	8.3	
72-20-8	Endrin	37 Ui	37	37	
33213-65-9	Endosulfan II	5.0 Ui	5.0	2.2	
72-54-8	4,4'-DDD	3.6 JD	5.0	0.65	
7421-93-4	Endrin Aldehyde	6.4 PD	5.0	0.85	
1031-07-8	Endosulfan Sulfate	5.0 U	5.0	1.4	
50-29-3	4,4'-DDT	50 D	5.0	1.9	
53494-70-5	Endrin Ketone	5.0 Ui	5.0	3.4	
72-43-5	Methoxychlor	5.0 Ui	5.0	2.0	
8001-35-2	Toxaphene	580 Ui	580	580	
3424-82-6	2,4'-DDE	11 Ui	11	11	
53-19-0	2,4'-DDD	6.8 Ui	6.8	6.8	
789-02-6	2,4'-DDT	58 D	5.0	1.1	
2385-85-5	Mirex	5.0 U	5.0	1.4	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: Batch QC DL
Lab Code: K2409445-022
File ID: J:\GC23\DATA\011005\0110F088.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	79	30-150	01/12/05	Acceptable
Decachlorobiphenyl	81	30-150	01/12/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/07/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
 Lab Code: KWG0419519-3
 File ID: J:\GC23\DATA\010705\0107F009.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 20.01 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	13.7		1.0	0.34	
319-84-6	alpha-BHC	18.5		1.0	0.16	
319-85-7	beta-BHC	17.2		1.0	0.21	
58-89-9	gamma-BHC (Lindane)	18.4		1.0	0.28	
319-86-8	delta-BHC	19.8		1.0	0.34	
76-44-8	Heptachlor	17.6		1.0	0.45	
309-00-2	Aldrin	18.0		1.0	0.20	
1024-57-3	Heptachlor Epoxide	17.7		1.0	0.15	
5103-74-2	gamma-Chlordane†	17.2		1.0	0.14	
959-98-8	Endosulfan I	16.2		1.0	0.13	
5103-71-9	alpha-Chlordane	16.9		1.0	0.36	
60-57-1	Dieldrin	17.3		1.0	0.11	
72-55-9	4,4'-DDE	17.5		1.0	0.12	
72-20-8	Endrin	17.8		1.0	0.099	
33213-65-9	Endosulfan II	15.9		1.0	0.35	
72-54-8	4,4'-DDD	17.5		1.0	0.13	
7421-93-4	Endrin Aldehyde	12.4		1.0	0.17	
1031-07-8	Endosulfan Sulfate	17.0		1.0	0.27	
50-29-3	4,4'-DDT	18.7		1.0	0.38	
53494-70-5	Endrin Ketone	15.9		1.0	0.29	
72-43-5	Methoxychlor	19.1	B	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0419519-3
File ID: J:\GC23\DATA\010705\0107F009.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	30-150	01/07/05	Acceptable
Decachlorobiphenyl	78	30-150	01/07/05	Acceptable

† Analyte Comments

gamma-Chlordane

For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/07/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419519-4
 File ID: J:\GC23\DATA\010705\0107F010.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419519
 Calibration ID: CAL4116

Sample Amount: 20.01 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	13.5		1.0	0.34	
319-84-6	alpha-BHC	17.7		1.0	0.16	
319-85-7	beta-BHC	16.0		1.0	0.21	
58-89-9	gamma-BHC (Lindane)	17.4		1.0	0.28	
319-86-8	delta-BHC	18.4		1.0	0.34	
76-44-8	Heptachlor	16.7		1.0	0.45	
309-00-2	Aldrin	16.7		1.0	0.20	
1024-57-3	Heptachlor Epoxide	14.9		1.0	0.15	
5103-74-2	gamma-Chlordane†	15.1		1.0	0.14	
959-98-8	Endosulfan I	14.4		1.0	0.13	
5103-71-9	alpha-Chlordane	15.1		1.0	0.36	
60-57-1	Dieldrin	15.4		1.0	0.11	
72-55-9	4,4'-DDE	15.7		1.0	0.12	
72-20-8	Endrin	16.1		1.0	0.099	
33213-65-9	Endosulfan II	14.4		1.0	0.35	
72-54-8	4,4'-DDD	15.7		1.0	0.13	
7421-93-4	Endrin Aldehyde	10.6		1.0	0.17	
1031-07-8	Endosulfan Sulfate	15.2		1.0	0.27	
50-29-3	4,4'-DDT	16.8		1.0	0.38	
53494-70-5	Endrin Ketone	13.7		1.0	0.29	
72-43-5	Methoxychlor	16.6	B	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419519-4
File ID: J:\GC23\DATA\010705\0107F010.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	30-150	01/07/05	Acceptable
Decachlorobiphenyl	72	30-150	01/07/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0419519-5
File ID: J:\GC23\DATA\010705\0107F011.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
3424-82-6	2,4'-DDE	20.5	1.0	0.096	
53-19-0	2,4'-DDD	22.4	1.0	0.18	
789-02-6	2,4'-DDT	22.4	1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	30-150	01/07/05	Acceptable
Decachlorobiphenyl	80	30-150	01/07/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419519-6
File ID: J:\GC23\DATA\010705\0107F012.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419519
Calibration ID: CAL4116

Sample Amount: 20.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
3424-82-6	2,4'-DDE	19.4	1.0	0.096	
53-19-0	2,4'-DDD	21.7	1.0	0.18	
789-02-6	2,4'-DDT	21.6	1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	79	30-150	01/07/05	Acceptable
Decachlorobiphenyl	80	30-150	01/07/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/10/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
 Lab Code: KWG0419584-3
 File ID: J:\GC23\DATA\010705\0107F051.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 20.05 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	14.3		1.0	0.34	
319-84-6	alpha-BHC	18.2		1.0	0.16	
319-85-7	beta-BHC	15.2		1.0	0.21	
58-89-9	gamma-BHC (Lindane)	18.0	P	1.0	0.28	
319-86-8	delta-BHC	16.6		1.0	0.34	
76-44-8	Heptachlor	15.3		1.0	0.45	
309-00-2	Aldrin	13.1	P	1.0	0.20	
1024-57-3	Heptachlor Epoxide	11.4		1.0	0.15	
5103-74-2	gamma-Chlordane†	11.4		1.0	0.14	
959-98-8	Endosulfan I	10.6		1.0	0.13	
5103-71-9	alpha-Chlordane	11.3		1.0	0.36	
60-57-1	Dieldrin	12.5		1.0	0.11	
72-55-9	4,4'-DDE	11.8		1.0	0.12	
72-20-8	Endrin	13.7		1.0	0.099	
33213-65-9	Endosulfan II	12.7		1.0	0.35	
72-54-8	4,4'-DDD	13.4		1.0	0.13	
7421-93-4	Endrin Aldehyde	7.94		1.0	0.17	
1031-07-8	Endosulfan Sulfate	15.1		1.0	0.27	
50-29-3	4,4'-DDT	15.2		1.0	0.38	
53494-70-5	Endrin Ketone	14.3	P	1.0	0.29	
72-43-5	Methoxychlor	17.3	B	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0419584-3
File ID: J:\GC23\DATA\010705\0107F051.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.05 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	30-150	01/08/05	Acceptable
Decachlorobiphenyl	62	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/10/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419584-4
 File ID: J:\GC23\DATA\010705\0107F052.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419584
 Calibration ID: CAL4116

Sample Amount: 20.05 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	13.7		1.0	0.34	
319-84-6	alpha-BHC	17.7		1.0	0.16	
319-85-7	beta-BHC	15.6	P	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	17.7	P	1.0	0.28	
319-86-8	delta-BHC	17.6		1.0	0.34	
76-44-8	Heptachlor	16.3		1.0	0.45	
309-00-2	Aldrin	14.8	P	1.0	0.20	
1024-57-3	Heptachlor Epoxide	11.6		1.0	0.15	
5103-74-2	gamma-Chlordane†	11.4		1.0	0.14	
959-98-8	Endosulfan I	10.6		1.0	0.13	
5103-71-9	alpha-Chlordane	11.4		1.0	0.36	
60-57-1	Dieldrin	12.6		1.0	0.11	
72-55-9	4,4'-DDE	12.0		1.0	0.12	
72-20-8	Endrin	13.2		1.0	0.099	
33213-65-9	Endosulfan II	12.4		1.0	0.35	
72-54-8	4,4'-DDD	13.5		1.0	0.13	
7421-93-4	Endrin Aldehyde	8.94		1.0	0.17	
1031-07-8	Endosulfan Sulfate	15.1		1.0	0.27	
50-29-3	4,4'-DDT	15.5		1.0	0.38	
53494-70-5	Endrin Ketone	13.6		1.0	0.29	
72-43-5	Methoxychlor	17.0	B	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419584-4
File ID: J:\GC23\DATA\010705\0107F052.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.05 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	77	30-150	01/08/05	Acceptable
Decachlorobiphenyl	64	30-150	01/08/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0419584-5
File ID: J:\GC23\DATA\010705\0107F053.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
3424-82-6	2,4'-DDE	13.0	1.0	0.096	
53-19-0	2,4'-DDD	13.9	1.0	0.18	
789-02-6	2,4'-DDT	15.1	1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	66	30-150	01/08/05	Acceptable
Decachlorobiphenyl	57	30-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419584-6
File ID: J:\GC23\DATA\010705\0107F054.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419584
Calibration ID: CAL4116

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
3424-82-6	2,4'-DDE	13.9		1.0	0.096	
53-19-0	2,4'-DDD	14.9		1.0	0.18	
789-02-6	2,4'-DDT	16.1		1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	71	30-150	01/08/05	Acceptable
Decachlorobiphenyl	60	30-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/15/2004
 Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
 Lab Code: KWG0419714-3
 File ID: J:\GC23\DATA\011005\0110F033.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4116

Sample Amount: 20.00 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	13.9		1.0	0.34	
319-84-6	alpha-BHC	18.1		1.0	0.16	
319-85-7	beta-BHC	9.39	P	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	17.7	P	1.0	0.28	
319-86-8	delta-BHC	16.4	P	1.0	0.34	
76-44-8	Heptachlor	15.3		1.0	0.45	
309-00-2	Aldrin	12.9	P	1.0	0.20	
1024-57-3	Heptachlor Epoxide	11.1		1.0	0.15	
5103-74-2	gamma-Chlordane†	8.52		1.0	0.14	
959-98-8	Endosulfan I	7.63		1.0	0.13	
5103-71-9	alpha-Chlordane	8.65		1.0	0.36	
60-57-1	Dieldrin	9.30		1.0	0.11	
72-55-9	4,4'-DDE	8.99		1.0	0.12	
72-20-8	Endrin	10.3		1.0	0.099	
33213-65-9	Endosulfan II	10.7		1.0	0.35	
72-54-8	4,4'-DDD	12.4		1.0	0.13	
7421-93-4	Endrin Aldehyde	9.09		1.0	0.17	
1031-07-8	Endosulfan Sulfate	14.1		1.0	0.27	
50-29-3	4,4'-DDT	14.0		1.0	0.38	
53494-70-5	Endrin Ketone	8.24	P	1.0	0.29	
72-43-5	Methoxychlor	16.4	B	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0419714-3
File ID: J:\GC23\DATA\011005\0110F033.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 20.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	30-150	01/11/05	Acceptable
Decachlorobiphenyl	61	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/15/2004
 Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419714-4
 File ID: J:\GC23\DATA\011005\0110F034.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419714
 Calibration ID: CAL4116

Sample Amount: 20.01 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	13.9		1.0	0.34	
319-84-6	alpha-BHC	18.0		1.0	0.16	
319-85-7	beta-BHC	16.2	P	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	17.5	P	1.0	0.28	
319-86-8	delta-BHC	16.8	P	1.0	0.34	
76-44-8	Heptachlor	15.5		1.0	0.45	
309-00-2	Aldrin	13.5	P	1.0	0.20	
1024-57-3	Heptachlor Epoxide	8.44		1.0	0.15	
5103-74-2	gamma-Chlordane†	8.86		1.0	0.14	
959-98-8	Endosulfan I	7.56		1.0	0.13	
5103-71-9	alpha-Chlordane	9.13		1.0	0.36	
60-57-1	Dieldrin	9.72		1.0	0.11	
72-55-9	4,4'-DDE	9.59		1.0	0.12	
72-20-8	Endrin	10.7		1.0	0.099	
33213-65-9	Endosulfan II	11.5		1.0	0.35	
72-54-8	4,4'-DDD	13.0		1.0	0.13	
7421-93-4	Endrin Aldehyde	9.72		1.0	0.17	
1031-07-8	Endosulfan Sulfate	14.8		1.0	0.27	
50-29-3	4,4'-DDT	14.6		1.0	0.38	
53494-70-5	Endrin Ketone	7.27	P	1.0	0.29	
72-43-5	Methoxychlor	16.0	B	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419714-4
File ID: J:\GC23\DATA\011005\0110F034.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	82	30-150	01/11/05	Acceptable
Decachlorobiphenyl	60	30-150	01/11/05	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0419714-5
File ID: J:\GC23\DATA\011005\0110F035.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
3424-82-6	2,4'-DDE	13.9		1.0	0.096	
53-19-0	2,4'-DDD	15.1		1.0	0.18	
789-02-6	2,4'-DDT	15.9		1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	79	30-150	01/11/05	Acceptable
Decachlorobiphenyl	60	30-150	01/11/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/11/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419714-6
File ID: J:\GC23\DATA\011005\0110F036.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419714
Calibration ID: CAL4116

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
3424-82-6	2,4'-DDE	13.8	1.0	0.096	
53-19-0	2,4'-DDD	15.0	1.0	0.18	
789-02-6	2,4'-DDT	15.9	1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	30-150	01/11/05	Acceptable
Decachlorobiphenyl	60	30-150	01/11/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Windward Environmental
Project: LDW/04-08-06-22
Matrix: Tissue

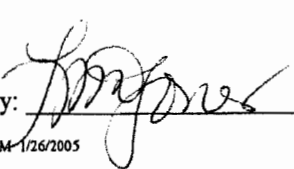
Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/9/2004
Date Analyzed: 1/7/2005

Standard Reference Material
Organochlorine Pesticides

Sample Name: SRM 1945
Lab Code: KWG0419519-2
Test Notes:

Units: ug/Kg (ppb)
Basis: Wet

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Hexachlorobenzene	EPA 3540C	8081A	32.9 ± 1.7	25	16-69	
alpha-BHC	EPA 3540C	8081A	16.2 ± 3.4	11	6.4-39	
delta-BHC	EPA 3540C	8081A	3.30 ± 0.81	17	1.3-8.2	*
Heptachlor Epoxide	EPA 3540C	8081A	10.8 ± 1.3	10	4.8-24	
Mirex	EPA 3540C	8081A	46.9 ± 2.8	14	22-99	*
alpha-Chlordane	EPA 3540C	8081A	48.7 ± 7.6	32	21-113	
2,4'-DDE	EPA 3540C	8081A	12.28 ± 0.87	14	5.7-26	
4,4'-DDE	EPA 3540C	8081A	445 ± 37	300	200-960	
2,4'-DDD	EPA 3540C	8081A	18.1 ± 2.8	12	7.7-31	
4,4'-DDD	EPA 3540C	8081A	133 ± 10	86	62-210	
2,4'-DDT	EPA 3540C	8081A	106 ± 14	110	46-180	
4,4'-DDT	EPA 3540C	8081A	245 ± 15	210	115-390	
Dieldrin	EPA 3540C	8081A	37.5 ± 3.9	44.0	17-62	
beta-BHC	EPA 3540C	8081A	8.0 ± 1.4	24	3.3-14	*

Approved By: 

LCS (44)/091898p
09451svglj1 - SRM 1/26/2005

Date: 1/26/05

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Matrix: Tissue

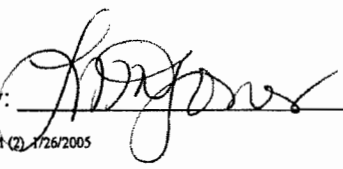
Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/10/2004
 Date Analyzed: 1/8/2005

Standard Reference Material
 Organochlorine Pesticides

Sample Name: SRM 1945
 Lab Code: KWG0419584-2
 Test Notes:

Units: ug/Kg (ppb)
 Basis: Wet

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Hexachlorobenzene	EPA 3540C	8081A	32.9 ± 1.7	22	16-69	
alpha-BHC	EPA 3540C	8081A	16.2 ± 3.4	10	6.4-39	
delta-BHC	EPA 3540C	8081A	3.30 ± 0.81	6.2	1.3-8.2	
Heptachlor Epoxide	EPA 3540C	8081A	10.8 ± 1.3	10	4.8-24	
Mirex	EPA 3540C	8081A	46.9 ± 2.8	17	22-99	*
alpha-Chlordane	EPA 3540C	8081A	48.7 ± 7.6	31	21-113	
2,4'-DDE	EPA 3540C	8081A	12.28 ± 0.87	9	5.7-26	
4,4'-DDE	EPA 3540C	8081A	445 ± 37	300	200-960	
2,4'-DDD	EPA 3540C	8081A	18.1 ± 2.8	13	7.7-31	
4,4'-DDD	EPA 3540C	8081A	133 ± 10	110	62-210	
2,4'-DDT	EPA 3540C	8081A	106 ± 14	110	46-180	
4,4'-DDT	EPA 3540C	8081A	245 ± 15	220	115-390	
Dieldrin	EPA 3540C	8081A	37.5 ± 3.9	48.0	17-62	
beta-BHC	EPA 3540C	8081A	8.0 ± 1.4	12	3.3-14	

Approved By: 

LCS (44)/091898p
 09451avgjl1 - SRM (2) 1/26/2005

Date: 1-26-05

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Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Windward Environmental
Project: LDW/04-08-06-22
Matrix: Tissue

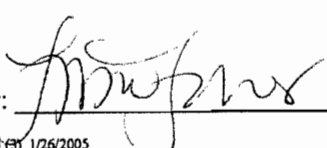
Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 1/11/2005

Standard Reference Material
Organochlorine Pesticides

Sample Name: SRM 1945
Lab Code: KWG0419714-2
Test Notes:

Units: ug/Kg (ppb)
Basis: Wet

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Hexachlorobenzene	EPA 3540C	8081A	32.9 ± 1.7	27	16-69	
alpha-BHC	EPA 3540C	8081A	16.2 ± 3.4	12	6.4-39	
delta-BHC	EPA 3540C	8081A	3.30 ± 0.81	20	1.3-8.2	*
Heptachlor Epoxide	EPA 3540C	8081A	10.8 ± 1.3	10	4.8-24	
Mirex	EPA 3540C	8081A	46.9 ± 2.8	16	22-99	*
alpha-Chlordane	EPA 3540C	8081A	48.7 ± 7.6	37	21-113	
2,4'-DDE	EPA 3540C	8081A	12.28 ± 0.87	9.8	5.7-26	
4,4'-DDE	EPA 3540C	8081A	445 ± 37	300	200-960	
2,4'-DDD	EPA 3540C	8081A	18.1 ± 2.8	13	7.7-31	
4,4'-DDD	EPA 3540C	8081A	133 ± 10	91	62-210	
2,4'-DDT	EPA 3540C	8081A	106 ± 14	16	46-180	*
4,4'-DDT	EPA 3540C	8081A	245 ± 15	220	115-390	
Dieldrin	EPA 3540C	8081A	37.5 ± 3.9	39.0	17-62	
beta-BHC	EPA 3540C	8081A	8.0 ± 1.4	31	3.3-14	*

Approved By: 

LCS (44)/091898p
09451svglj1 - SRM(3) 1/26/2005

Date: 1-26-05

Polychlorinated Biphenyls
PCB's
EPA Method 8082

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-A-SS-WB-comp-1
Lab Code: K2409451-001
File ID: J:\GC09\DATA\010705.B\0107F016.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	190		15	1.1	
11097-69-1	Aroclor 1254	390		15	2.2	
11096-82-5	Aroclor 1260	390		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/07/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-B-SS-WB-comp-1
Lab Code: K2409451-002
File ID: J:\GC09\DATA\010705.B\0107F017.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	190		15	1.1	
11097-69-1	Aroclor 1254	450	P	15	2.2	
11096-82-5	Aroclor 1260	480		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	38-150	01/07/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-C-SS-WB-comp-1
Lab Code: K2409451-003
File ID: J:\GC09\DATA\010705.B\0107F018.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	250		15	1.1	
11097-69-1	Aroclor 1254	670		15	2.2	
11096-82-5	Aroclor 1260	750		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	38-150	01/07/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-D-SS-WB-comp-1
Lab Code: K2409451-004
File ID: J:\GC09\DATA\010705.B\0107F019.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15 U	15	2.9	
11104-28-2	Aroclor 1221	29 U	29	4.5	
11141-16-5	Aroclor 1232	15 U	15	2.9	
53469-21-9	Aroclor 1242	15 U	15	5.0	
12672-29-6	Aroclor 1248	320	15	1.1	
11097-69-1	Aroclor 1254	720	15	2.2	
11096-82-5	Aroclor 1260	790	15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-E-SS-WB-comp-1
Lab Code: K2409451-005
File ID: J:\GC09\DATA\010705.B\0107F020.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	170		15	1.1	
11097-69-1	Aroclor 1254	510		15	2.2	
11096-82-5	Aroclor 1260	590		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-F-SS-WB-comp-1
Lab Code: K2409451-006
File ID: J:\GC09\DATA\010705.B\0107F021.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	260		15	1.1	
11097-69-1	Aroclor 1254	600		15	2.2	
11096-82-5	Aroclor 1260	600		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-A-SS-WB-comp-1
Lab Code: K2409451-007
File ID: J:\GC09\DATA\010705.B\0107F022.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	260		15	1.1	
11097-69-1	Aroclor 1254	630		15	2.2	
11096-82-5	Aroclor 1260	700		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	91	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-B-SS-WB-comp-1
Lab Code: K2409451-008
File ID: J:\GC09\DATA\010705.B\0107F023.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	240		15	1.1	
11097-69-1	Aroclor 1254	670		15	2.2	
11096-82-5	Aroclor 1260	660		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-C-SS-WB-comp-1
Lab Code: K2409451-009
File ID: J:\GC09\DATA\010705.B\0107F024.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	180		15	1.1	
11097-69-1	Aroclor 1254	510		15	2.2	
11096-82-5	Aroclor 1260	570		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-D-SS-WB-comp-1
Lab Code: K2409451-010
File ID: J:\GC09\DATA\010705.B\0107F028.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	250		15	1.1	
11097-69-1	Aroclor 1254	600		15	2.2	
11096-82-5	Aroclor 1260	600		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-E-SS-WB-comp-1
Lab Code: K2409451-011
File ID: J:\GC09\DATA\011005.B\0110F004.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	4400	D	150	11	
11097-69-1	Aroclor 1254	7600	D	150	22	
11096-82-5	Aroclor 1260	6400	PD	150	68	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	120	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-F-SS-WB-comp-1
Lab Code: K2409451-012
File ID: J:\GC09\DATA\010705.B\0107F030.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15 U	15	2.9	
11104-28-2	Aroclor 1221	29 U	29	4.5	
11141-16-5	Aroclor 1232	15 U	15	2.9	
53469-21-9	Aroclor 1242	15 U	15	5.0	
12672-29-6	Aroclor 1248	250	15	1.1	
11097-69-1	Aroclor 1254	660	15	2.2	
11096-82-5	Aroclor 1260	710	15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-A-SS-WB-comp-1
Lab Code: K2409451-013
File ID: J:\GC09\DATA\010705.B\0107F031.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	170		15	1.1	
11097-69-1	Aroclor 1254	500		15	2.2	
11096-82-5	Aroclor 1260	610		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-B-SS-WB-comp-1
Lab Code: K2409451-014
File ID: J:\GC09\DATA\011005.B\0110F005.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	350	D	150	11	
11097-69-1	Aroclor 1254	920	D	150	22	
11096-82-5	Aroclor 1260	1300	D	150	68	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	91	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-C-SS-WB-comp-1
Lab Code: K2409451-015
File ID: J:\GC09\DATA\010705.B\0107F033.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	190		15	1.1	
11097-69-1	Aroclor 1254	550		15	2.2	
11096-82-5	Aroclor 1260	670		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-D-SS-WB-comp-1
Lab Code: K2409451-016
File ID: J:\GC09\DATA\011005.B\0110F006.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	300	D	150	11	
11097-69-1	Aroclor 1254	860	D	150	22	
11096-82-5	Aroclor 1260	2800	D	150	67	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	98	38-150	01/10/05	Acceptable

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-E-SS-WB-comp-1
Lab Code: K2409451-017
File ID: J:\GC09\DATA\011005.B\0110F007.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	240	D	150	11	
11097-69-1	Aroclor 1254	1500	D	150	22	
11096-82-5	Aroclor 1260	7100	D	150	67	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	103	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-F-SS-WB-comp-1
Lab Code: K2409451-018
File ID: J:\GC09\DATA\011005.B\0110F008.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 14.06 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	440	D	150	11	
11097-69-1	Aroclor 1254	1600	D	150	22	
11096-82-5	Aroclor 1260	2900	D	150	67	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	96	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-A-SS-WB-comp-1
Lab Code: K2409451-019
File ID: J:\GC09\DATA\010805.B\0108F017.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	130		15	1.1	
11097-69-1	Aroclor 1254	240		15	2.2	
11096-82-5	Aroclor 1260	270		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-B-SS-WB-comp-1
Lab Code: K2409451-020
File ID: J:\GC09\DATA\010805.B\0108F018.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	170		15	1.1	
11097-69-1	Aroclor 1254	360		15	2.2	
11096-82-5	Aroclor 1260	430		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-B-SS-WB-comp-2
Lab Code: K2409451-021
File ID: J:\GC09\DATA\010805.B\0108F019.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	160		15	1.1	
11097-69-1	Aroclor 1254	340		15	2.2	
11096-82-5	Aroclor 1260	380		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	38-150	01/08/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-C-SS-WB-comp-1
Lab Code: K2409451-022
File ID: J:\GC09\DATA\010805.B\0108F020.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	180		15	1.1	
11097-69-1	Aroclor 1254	360		15	2.2	
11096-82-5	Aroclor 1260	380		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-C-SS-WB-comp-2
Lab Code: K2409451-023
File ID: J:\GC09\DATA\010805.B\0108F021.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	130		15	1.1	
11097-69-1	Aroclor 1254	250		15	2.2	
11096-82-5	Aroclor 1260	280		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-D-SS-WB-comp-1
Lab Code: K2409451-024
File ID: J:\GC09\DATA\010805.B\0108F022.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	110		15	1.1	
11097-69-1	Aroclor 1254	250		15	2.2	
11096-82-5	Aroclor 1260	350		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	94	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-ES-FL-comp-2
Lab Code: K2409451-025
File ID: J:\GC09\DATA\010805.B\0108F026.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	10	U	10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	310		10	0.76	
11097-69-1	Aroclor 1254	680		10	1.5	
11096-82-5	Aroclor 1260	650		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	97	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-ES-WB-comp-1
Lab Code: K2409451-026
File ID: J:\GC09\DATA\011005.B\0110F009.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.05 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	100	U	100	20	
11104-28-2	Aroclor 1221	200	U	200	31	
11141-16-5	Aroclor 1232	100	U	100	20	
53469-21-9	Aroclor 1242	100	U	100	35	
12672-29-6	Aroclor 1248	510	D	100	7.6	
11097-69-1	Aroclor 1254	1100	D	100	15	
11096-82-5	Aroclor 1260	1100	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	116	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-ES-WB-comp-2
Lab Code: K2409451-027
File ID: J:\GC09\DATA\011005.B\0110F010.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	100	U	100	20	
11104-28-2	Aroclor 1221	200	U	200	31	
11141-16-5	Aroclor 1232	100	U	100	20	
53469-21-9	Aroclor 1242	100	U	100	35	
12672-29-6	Aroclor 1248	640	D	100	7.6	
11097-69-1	Aroclor 1254	1300	D	100	15	
11096-82-5	Aroclor 1260	1100	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	114	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-ES-WB-comp-3
Lab Code: K2409451-028
File ID: J:\GC09\DATA\011005.B\0110F011.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	100	U	100	20	
11104-28-2	Aroclor 1221	200	U	200	31	
11141-16-5	Aroclor 1232	100	U	100	20	
53469-21-9	Aroclor 1242	100	U	100	35	
12672-29-6	Aroclor 1248	900	D	100	7.6	
11097-69-1	Aroclor 1254	1700	D	100	15	
11096-82-5	Aroclor 1260	1600	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	145	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-ES-WB-comp-4
Lab Code: K2409451-029
File ID: J:\GC09\DATA\011005.B\0110F015.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	100	U	100	20	
11104-28-2	Aroclor 1221	200	U	200	31	
11141-16-5	Aroclor 1232	100	U	100	20	
53469-21-9	Aroclor 1242	100	U	100	35	
12672-29-6	Aroclor 1248	980	D	100	7.6	
11097-69-1	Aroclor 1254	1700	D	100	15	
11096-82-5	Aroclor 1260	1500	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	115	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-ES-WB-comp-5
Lab Code: K2409451-030
File ID: J:\GC09\DATA\011005.B\0110F016.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	100	U	100	20	
11104-28-2	Aroclor 1221	200	U	200	31	
11141-16-5	Aroclor 1232	100	U	100	20	
53469-21-9	Aroclor 1242	100	U	100	35	
12672-29-6	Aroclor 1248	540	D	100	7.6	
11097-69-1	Aroclor 1254	1300	D	100	15	
11096-82-5	Aroclor 1260	1300	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	107	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-ES-WB-comp-6
Lab Code: K2409451-031
File ID: J:\GC09\DATA\011005.B\0110F017.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.07 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	100	U	100	20	
11104-28-2	Aroclor 1221	200	U	200	31	
11141-16-5	Aroclor 1232	100	U	100	20	
53469-21-9	Aroclor 1242	100	U	100	35	
12672-29-6	Aroclor 1248	1200	D	100	7.6	
11097-69-1	Aroclor 1254	1900	D	100	15	
11096-82-5	Aroclor 1260	1600	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	109	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-ES-WB-comp-1
Lab Code: K2409451-032
File ID: J:\GC09\DATA\011005.B\0110F018.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	100	U	100	20	
11104-28-2	Aroclor 1221	200	U	200	31	
11141-16-5	Aroclor 1232	100	U	100	20	
53469-21-9	Aroclor 1242	100	U	100	35	
12672-29-6	Aroclor 1248	840	D	100	7.6	
11097-69-1	Aroclor 1254	1700	D	100	15	
11096-82-5	Aroclor 1260	1700	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	124	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-ES-WB-comp-2
Lab Code: K2409451-033
File ID: J:\GC09\DATA\011005.B\0110F019.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.00 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	100	U	100	20	
11104-28-2	Aroclor 1221	200	U	200	31	
11141-16-5	Aroclor 1232	100	U	100	20	
53469-21-9	Aroclor 1242	100	U	100	35	
12672-29-6	Aroclor 1248	790	D	100	7.6	
11097-69-1	Aroclor 1254	1700	D	100	15	
11096-82-5	Aroclor 1260	1400	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	120	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-ES-WB-comp-3
Lab Code: K2409451-034
File ID: J:\GC09\DATA\011005.B\0110F020.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	100	U	100	20	
11104-28-2	Aroclor 1221	200	U	200	31	
11141-16-5	Aroclor 1232	100	U	100	20	
53469-21-9	Aroclor 1242	100	U	100	35	
12672-29-6	Aroclor 1248	790	PD	100	7.6	
11097-69-1	Aroclor 1254	1800	D	100	15	
11096-82-5	Aroclor 1260	1600	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	115	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-ES-WB-comp-2
Lab Code: K2409451-035
File ID: J:\GC09\DATA\010805.B\0108F039.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.06 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	10	U	10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	320		10	0.76	
11097-69-1	Aroclor 1254	710		10	1.5	
11096-82-5	Aroclor 1260	670		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	97	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-SC-EM-comp-1
Lab Code: K2409451-036
File ID: J:\GC09\DATA\010805.B\0108F041.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15 U	15	2.9	
11104-28-2	Aroclor 1221	29 U	29	4.5	
11141-16-5	Aroclor 1232	15 U	15	2.9	
53469-21-9	Aroclor 1242	15 U	15	5.0	
12672-29-6	Aroclor 1248	84	15	1.1	
11097-69-1	Aroclor 1254	160 P	15	2.2	
11096-82-5	Aroclor 1260	150	15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	89	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-SC-EM-comp-2
Lab Code: K2409451-037
File ID: J:\GC09\DATA\010905.B\0109F008.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	110		15	2.2	
11096-82-5	Aroclor 1260	110		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	92	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-SC-EM-comp-3
Lab Code: K2409451-038
File ID: J:\GC09\DATA\010905.B\0109F009.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	110	P	15	2.2	
11096-82-5	Aroclor 1260	100		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	38-150	01/09/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-SC-HP-comp-1
Lab Code: K2409451-039
File ID: J:\GC09\DATA\010905.B\0109F010.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	270	P	15	1.1	
11097-69-1	Aroclor 1254	620	P	15	2.2	
11096-82-5	Aroclor 1260	600		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	92	38-150	01/09/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-SC-EM-comp-1
Lab Code: K2409451-040
File ID: J:\GC09\DATA\010905.B\0109F011.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	96		15	2.2	
11096-82-5	Aroclor 1260	84		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-SC-EM-comp-2
Lab Code: K2409451-041
File ID: J:\GC09\DATA\010905.B\0109F012.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	120	P	15	2.2	
11096-82-5	Aroclor 1260	92		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	93	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-SC-EM-comp-3
Lab Code: K2409451-042
File ID: J:\GC09\DATA\010905.B\0109F013.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	140	P	15	2.2	
11096-82-5	Aroclor 1260	120		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-SC-HP-comp-1
Lab Code: K2409451-043
File ID: J:\GC09\DATA\010905.B\0109F017.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	350	P	15	1.1	
11097-69-1	Aroclor 1254	850	P	15	2.2	
11096-82-5	Aroclor 1260	750		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	92	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-SC-EM-comp-4
Lab Code: K2409451-044
File ID: J:\GC09\DATA\010905.B\0109F018.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	61		15	2.2	
11096-82-5	Aroclor 1260	47		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	91	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-SC-EM-comp-5
Lab Code: K2409451-045
File ID: J:\GC09\DATA\010905.B\0109F019.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15 U	15	2.9	
11104-28-2	Aroclor 1221	29 U	29	4.5	
11141-16-5	Aroclor 1232	15 U	15	2.9	
53469-21-9	Aroclor 1242	15 U	15	5.0	
12672-29-6	Aroclor 1248	15 U	15	1.1	
11097-69-1	Aroclor 1254	130 P	15	2.2	
11096-82-5	Aroclor 1260	98	15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	93	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-SC-EM-comp-6
Lab Code: K2409451-046
File ID: J:\GC09\DATA\010905.B\0109F020.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	100	P	15	2.2	
11096-82-5	Aroclor 1260	79		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	91	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-SC-HP-comp-2
Lab Code: K2409451-047
File ID: J:\GC09\DATA\010905.B\0109F021.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15 U	15	2.9	
11104-28-2	Aroclor 1221	29 U	29	4.5	
11141-16-5	Aroclor 1232	15 U	15	2.9	
53469-21-9	Aroclor 1242	15 U	15	5.0	
12672-29-6	Aroclor 1248	420 P	15	1.1	
11097-69-1	Aroclor 1254	950 P	15	2.2	
11096-82-5	Aroclor 1260	820	15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	95	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-SC-EM-comp-1
Lab Code: K2409451-048
File ID: J:\GC09\DATA\010905.B\0109F022.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	78		15	2.2	
11096-82-5	Aroclor 1260	68		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-SC-EM-comp-2
Lab Code: K2409451-049
File ID: J:\GC09\DATA\010905.B\0109F023.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	92		15	2.2	
11096-82-5	Aroclor 1260	76		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	82	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-SC-EM-comp-3
Lab Code: K2409451-050
File ID: J:\GC09\DATA\010905.B\0109F024.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	120		15	2.2	
11096-82-5	Aroclor 1260	100		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	89	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-SC-HP-comp-1
Lab Code: K2409451-051
File ID: J:\GC09\DATA\010905.B\0109F025.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	270		15	1.1	
11097-69-1	Aroclor 1254	680		15	2.2	
11096-82-5	Aroclor 1260	690		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	95	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-DC-EM-comp-1
Lab Code: K2409451-052
File ID: J:\GC09\DATA\010905.B\0109F029.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	120	P	15	2.2	
11096-82-5	Aroclor 1260	110		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	92	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/10/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-DC-HP-comp-1
Lab Code: K2409451-053
File ID: J:\GC09\DATA\011005.B\0110F021.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	620	D	150	11	
11097-69-1	Aroclor 1254	1800	D	150	22	
11096-82-5	Aroclor 1260	3100	D	150	68	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	111	38-150	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Batch QCDUP
Lab Code: KWG0419520-1
File ID: J:\GC09\DATA\010705.B\0107F010.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	10	U	10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	220		10	0.76	
11097-69-1	Aroclor 1254	490		10	1.5	
11096-82-5	Aroclor 1260	570		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	38-150	01/07/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-ES-WB-comp-2DUP
Lab Code: KWG0419585-1
File ID: J:\GC09\DATA\010805.B\0108F040.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	10	U	10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	310		10	0.76	
11097-69-1	Aroclor 1254	660		10	1.5	
11096-82-5	Aroclor 1260	630		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	95	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-DC-EM-comp-1DU
Lab Code: KWG0419715-1
File ID: J:\GC09\DATA\010905.B\0109F030.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	15	U	15	1.1	
11097-69-1	Aroclor 1254	120	P	15	2.2	
11096-82-5	Aroclor 1260	120		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	97	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG0419520-5
File ID: J:\GC09\DATA\010705.B\0107F004.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	10	U	10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	10	U	10	0.76	
11097-69-1	Aroclor 1254	10	U	10	1.5	
11096-82-5	Aroclor 1260	10	U	10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	93	38-150	01/07/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG0419585-5
File ID: J:\GC09\DATA\010805.B\0108F011.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.07 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	10 U	10	2.0	
11104-28-2	Aroclor 1221	20 U	20	3.1	
11141-16-5	Aroclor 1232	10 U	10	2.0	
53469-21-9	Aroclor 1242	10 U	10	3.5	
12672-29-6	Aroclor 1248	10 U	10	0.76	
11097-69-1	Aroclor 1254	10 U	10	1.5	
11096-82-5	Aroclor 1260	10 U	10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	94	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG0419715-5
File ID: J:\GC09\DATA\010905.B\0109F004.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	10	U	10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	10	U	10	0.76	
11097-69-1	Aroclor 1254	10	U	10	1.5	
11096-82-5	Aroclor 1260	10	U	10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	99	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Batch QC
Lab Code: K2409445-022
File ID: J:\GC09\DATA\010705.B\0107F009.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	10	U	10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	240		10	0.76	
11097-69-1	Aroclor 1254	530		10	1.5	
11096-82-5	Aroclor 1260	600		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/07/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG0419520-3
File ID: J:\GC09\DATA\010705.B\0107F005.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 20.01 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	219		10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	10	U	10	0.76	
11097-69-1	Aroclor 1254	10	U	10	1.5	
11096-82-5	Aroclor 1260	224		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	38-150	01/07/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419520-4
File ID: J:\GC09\DATA\010705.B\0107F006.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419520
Calibration ID: CAL4069

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	212		10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	10	U	10	0.76	
11097-69-1	Aroclor 1254	10	U	10	1.5	
11096-82-5	Aroclor 1260	220		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	91	38-150	01/07/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG0419585-3
File ID: J:\GC09\DATA\010805.B\0108F012.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	224		10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	10	U	10	0.76	
11097-69-1	Aroclor 1254	10	U	10	1.5	
11096-82-5	Aroclor 1260	228		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	93	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/08/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419585-4
File ID: J:\GC09\DATA\010805.B\0108F013.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419585
Calibration ID: CAL4069

Sample Amount: 20.03 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	219		10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	10	U	10	0.76	
11097-69-1	Aroclor 1254	10	U	10	1.5	
11096-82-5	Aroclor 1260	216		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	93	38-150	01/08/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG0419715-3
File ID: J:\GC09\DATA\010905.B\0109F005.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 20.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	244		10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	10	U	10	0.76	
11097-69-1	Aroclor 1254	10	U	10	1.5	
11096-82-5	Aroclor 1260	246		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	100	38-150	01/09/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/09/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419715-4
File ID: J:\GC09\DATA\010905.B\0109F006.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419715
Calibration ID: CAL4069

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	230		10	2.0	
11104-28-2	Aroclor 1221	20	U	20	3.1	
11141-16-5	Aroclor 1232	10	U	10	2.0	
53469-21-9	Aroclor 1242	10	U	10	3.5	
12672-29-6	Aroclor 1248	10	U	10	0.76	
11097-69-1	Aroclor 1254	10	U	10	1.5	
11096-82-5	Aroclor 1260	233		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	100	38-150	01/09/05	Acceptable

Comments:

Semi-Volatile Organic Compounds
EPA Method 8270C

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-A-SS-WB-comp-1
Lab Code: K2409451-001
File ID: J:\MS14\DATA\011505\0115F012.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	120 U	120	15	
62-53-3	Aniline	1200 U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	57 U	57	13	
108-95-2	Phenol	150 U	150	25	
95-57-8	2-Chlorophenol	120 U	120	16	
541-73-1	1,3-Dichlorobenzene	57 U	57	16	
106-46-7	1,4-Dichlorobenzene	57 U	57	16	
95-50-1	1,2-Dichlorobenzene	57 U	57	18	
100-51-6	Benzyl Alcohol	57 U	57	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	57 U	57	16	
95-48-7	2-Methylphenol	120 U	120	76	
67-72-1	Hexachloroethane	57 U	57	13	
621-64-7	N-Nitrosodi-n-propylamine	57 U	57	12	
106-44-5	4-Methylphenol†	120 U	120	22	
98-95-3	Nitrobenzene	57 U	57	15	
78-59-1	Isophorone	57 U	57	8.3	
88-75-5	2-Nitrophenol	57 U	57	22	
105-67-9	2,4-Dimethylphenol	120 U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	57 U	57	7.2	
120-83-2	2,4-Dichlorophenol	120 U	120	18	
65-85-0	Benzoic Acid	1200	1200	280	
120-82-1	1,2,4-Trichlorobenzene	57 U	57	15	
106-47-8	4-Chloroaniline	290 U	290	8.5	
87-68-3	Hexachlorobutadiene	57 U	57	13	
59-50-7	4-Chloro-3-methylphenol	290 U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200 U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	120 U	120	13	
95-95-4	2,4,5-Trichlorophenol	120 U	120	16	

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-A-SS-WB-comp-1
Lab Code: K2409451-001
File ID: J:\MS14\DATA\011505\0115F012.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	57 U	57	8.5	
88-74-4	2-Nitroaniline	290 U	290	38	
131-11-3	Dimethyl Phthalate	57 U	57	7.3	
606-20-2	2,6-Dinitrotoluene	290 U	290	10	
99-09-2	3-Nitroaniline	570 U	570	13	
51-28-5	2,4-Dinitrophenol	1200 U	1200	33	*
100-02-7	4-Nitrophenol	570 U	570	11	
121-14-2	2,4-Dinitrotoluene	290 U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	57 U	57	6.5	
84-66-2	Diethyl Phthalate	28 J	120	14	
100-01-6	4-Nitroaniline	290 U	290	38	
534-52-1	2-Methyl-4,6-dinitrophenol	1200 U	1200	22	
86-30-6	N-Nitrosodiphenylamine	57 U	57	14	
101-55-3	4-Bromophenyl Phenyl Ether	57 U	57	7.9	
118-74-1	Hexachlorobenzene	57 U	57	8.5	
87-86-5	Pentachlorophenol	570 U	570	45	
86-74-8	Carbazole	290 U	290	48	
84-74-2	Di-n-butyl Phthalate	290 U	290	23	
92-87-5	Benzidine	7200 U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	570 U	570	20	
91-94-1	3,3'-Dichlorobenzidine	2900 U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	720 U	720	76	
117-84-0	Di-n-octyl Phthalate	570 U	570	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-A-SS-WB-comp-1
Lab Code: K2409451-001
File ID: J:\MS14\DATA\011505\0115F012.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	95	20-130	01/15/05	Acceptable
Phenol-d6	99	20-130	01/15/05	Acceptable
Nitrobenzene-d5	101	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	92	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	121	20-130	01/15/05	Acceptable
Terphenyl-d14	118	20-130	01/15/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-B-SS-WB-comp-1
 Lab Code: K2409451-002
 File ID: J:\MS14\DATA\011505\0115F013.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	120 U	120	15	
62-53-3	Aniline	1200 U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	57 U	57	13	
108-95-2	Phenol	150 U	150	25	
95-57-8	2-Chlorophenol	120 U	120	16	
541-73-1	1,3-Dichlorobenzene	57 U	57	16	
106-46-7	1,4-Dichlorobenzene	57 U	57	16	
95-50-1	1,2-Dichlorobenzene	57 U	57	18	
100-51-6	Benzyl Alcohol	57 U	57	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	57 U	57	16	
95-48-7	2-Methylphenol	120 U	120	76	
67-72-1	Hexachloroethane	57 U	57	13	
621-64-7	N-Nitrosodi-n-propylamine	57 U	57	12	
106-44-5	4-Methylphenol†	120 U	120	22	
98-95-3	Nitrobenzene	57 U	57	15	
78-59-1	Isophorone	57 U	57	8.3	
88-75-5	2-Nitrophenol	57 U	57	22	
105-67-9	2,4-Dimethylphenol	120 U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	57 U	57	7.2	
120-83-2	2,4-Dichlorophenol	120 U	120	18	
65-85-0	Benzoic Acid	1600	1200	280	
120-82-1	1,2,4-Trichlorobenzene	57 U	57	15	
106-47-8	4-Chloroaniline	290 U	290	8.4	
87-68-3	Hexachlorobutadiene	57 U	57	13	
59-50-7	4-Chloro-3-methylphenol	290 U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200 U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	120 U	120	13	
95-95-4	2,4,5-Trichlorophenol	120 U	120	16	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-B-SS-WB-comp-1
 Lab Code: K2409451-002
 File ID: J:\MS14\DATA\011505\0115F013.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	57 U	57	8.4	
88-74-4	2-Nitroaniline	290 U	290	37	
131-11-3	Dimethyl Phthalate	57 U	57	7.3	
606-20-2	2,6-Dinitrotoluene	290 U	290	10	
99-09-2	3-Nitroaniline	570 U	570	13	
51-28-5	2,4-Dinitrophenol	1200 U	1200	33	*
100-02-7	4-Nitrophenol	570 U	570	11	
121-14-2	2,4-Dinitrotoluene	290 U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	57 U	57	6.5	
84-66-2	Diethyl Phthalate	27 J	120	14	
100-01-6	4-Nitroaniline	290 U	290	37	
534-52-1	2-Methyl-4,6-dinitrophenol	1200 U	1200	22	
86-30-6	N-Nitrosodiphenylamine	57 U	57	14	
101-55-3	4-Bromophenyl Phenyl Ether	57 U	57	7.9	
118-74-1	Hexachlorobenzene	57 U	57	8.4	
87-86-5	Pentachlorophenol	570 U	570	45	
86-74-8	Carbazole	290 U	290	47	
84-74-2	Di-n-butyl Phthalate	290 U	290	23	
92-87-5	Benzidine	7200 U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	570 U	570	20	
91-94-1	3,3'-Dichlorobenzidine	2900 U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	720 U	720	76	
117-84-0	Di-n-octyl Phthalate	570 U	570	19	

* See Case Narrative

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-B-SS-WB-comp-1
Lab Code: K2409451-002
File ID: J:\MS14\DATA\011505\0115F013.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	81	20-130	01/15/05	Acceptable
Phenol-d6	86	20-130	01/15/05	Acceptable
Nitrobenzene-d5	88	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	80	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	113	20-130	01/15/05	Acceptable
Terphenyl-d14	107	20-130	01/15/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-C-SS-WB-comp-1
 Lab Code: K2409451-003
 File ID: J:\MS14\DATA\011505\0115F014.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	120	U	120	15	
62-53-3	Aniline	1200	U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	57	U	57	13	
108-95-2	Phenol	130	J	150	25	
95-57-8	2-Chlorophenol	120	U	120	16	
541-73-1	1,3-Dichlorobenzene	57	U	57	16	
106-46-7	1,4-Dichlorobenzene	57	U	57	16	
95-50-1	1,2-Dichlorobenzene	57	U	57	18	
100-51-6	Benzyl Alcohol	57	U	57	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	57	U	57	16	
95-48-7	2-Methylphenol	120	U	120	76	
67-72-1	Hexachloroethane	57	U	57	13	
621-64-7	N-Nitrosodi-n-propylamine	57	U	57	12	
106-44-5	4-Methylphenol†	120	U	120	22	
98-95-3	Nitrobenzene	57	U	57	15	
78-59-1	Isophorone	57	U	57	8.3	
88-75-5	2-Nitrophenol	57	U	57	22	
105-67-9	2,4-Dimethylphenol	120	U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	57	U	57	7.2	
120-83-2	2,4-Dichlorophenol	120	U	120	18	
65-85-0	Benzoic Acid	1400		1200	280	
120-82-1	1,2,4-Trichlorobenzene	57	U	57	15	
106-47-8	4-Chloroaniline	290	U	290	8.4	
87-68-3	Hexachlorobutadiene	57	U	57	13	
59-50-7	4-Chloro-3-methylphenol	290	U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200	U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	120	U	120	13	
95-95-4	2,4,5-Trichlorophenol	120	U	120	16	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-C-SS-WB-comp-1
 Lab Code: K2409451-003
 File ID: J:\MS14\DATA\011505\0115F014.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	57	U	57	8.4	
88-74-4	2-Nitroaniline	290	U	290	37	
131-11-3	Dimethyl Phthalate	57	U	57	7.3	
606-20-2	2,6-Dinitrotoluene	290	U	290	10	
99-09-2	3-Nitroaniline	570	U	570	13	
51-28-5	2,4-Dinitrophenol	1200	U	1200	33	*
100-02-7	4-Nitrophenol	570	U	570	11	
121-14-2	2,4-Dinitrotoluene	290	U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	57	U	57	6.5	
84-66-2	Diethyl Phthalate	23	J	120	14	
100-01-6	4-Nitroaniline	290	U	290	37	
534-52-1	2-Methyl-4,6-dinitrophenol	1200	U	1200	22	
86-30-6	N-Nitrosodiphenylamine	57	U	57	14	
101-55-3	4-Bromophenyl Phenyl Ether	57	U	57	7.9	
118-74-1	Hexachlorobenzene	57	U	57	8.4	
87-86-5	Pentachlorophenol	570	U	570	45	
86-74-8	Carbazole	290	U	290	47	
84-74-2	Di-n-butyl Phthalate	290	U	290	23	
92-87-5	Benzidine	7200	U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	570	U	570	20	
91-94-1	3,3'-Dichlorobenzidine	2900	U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	720	U	720	76	
117-84-0	Di-n-octyl Phthalate	570	U	570	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-C-SS-WB-comp-1
Lab Code: K2409451-003
File ID: J:\MS14\DATA\011505\0115F014.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	73	20-130	01/15/05	Acceptable
Phenol-d6	79	20-130	01/15/05	Acceptable
Nitrobenzene-d5	80	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	73	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	98	20-130	01/15/05	Acceptable
Terphenyl-d14	97	20-130	01/15/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/05/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-D-SS-WB-comp-1
 Lab Code: K2409451-004
 File ID: J:\MS14\DATA\011505\0115F015.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	120 U	120	15	
62-53-3	Aniline	1200 U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	58 U	58	13	
108-95-2	Phenol	95 J	150	25	
95-57-8	2-Chlorophenol	120 U	120	16	
541-73-1	1,3-Dichlorobenzene	58 U	58	16	
106-46-7	1,4-Dichlorobenzene	58 U	58	16	
95-50-1	1,2-Dichlorobenzene	58 U	58	18	
100-51-6	Benzyl Alcohol	58 U	58	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	58 U	58	16	
95-48-7	2-Methylphenol	120 U	120	76	
67-72-1	Hexachloroethane	58 U	58	13	
621-64-7	N-Nitrosodi-n-propylamine	58 U	58	12	
106-44-5	4-Methylphenol†	120 U	120	22	
98-95-3	Nitrobenzene	58 U	58	15	
78-59-1	Isophorone	58 U	58	8.3	
88-75-5	2-Nitrophenol	58 U	58	22	
105-67-9	2,4-Dimethylphenol	120 U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	58 U	58	7.2	
120-83-2	2,4-Dichlorophenol	120 U	120	18	
65-85-0	Benzoic Acid	1600	1200	280	
120-82-1	1,2,4-Trichlorobenzene	58 U	58	15	
106-47-8	4-Chloroaniline	290 U	290	8.5	
87-68-3	Hexachlorobutadiene	58 U	58	13	
59-50-7	4-Chloro-3-methylphenol	290 U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200 U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	120 U	120	13	
95-95-4	2,4,5-Trichlorophenol	120 U	120	16	

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/05/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-D-SS-WB-comp-1
 Lab Code: K2409451-004
 File ID: J:\MS14\DATA\011505\0115F015.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	58 U	58	8.5	
88-74-4	2-Nitroaniline	290 U	290	38	
131-11-3	Dimethyl Phthalate	58 U	58	7.3	
606-20-2	2,6-Dinitrotoluene	290 U	290	10	
99-09-2	3-Nitroaniline	580 U	580	13	
51-28-5	2,4-Dinitrophenol	1200 U	1200	33	*
100-02-7	4-Nitrophenol	580 U	580	11	
121-14-2	2,4-Dinitrotoluene	290 U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	58 U	58	6.5	
84-66-2	Diethyl Phthalate	24 J	120	14	
100-01-6	4-Nitroaniline	290 U	290	38	
534-52-1	2-Methyl-4,6-dinitrophenol	1200 U	1200	22	
86-30-6	N-Nitrosodiphenylamine	58 U	58	14	
101-55-3	4-Bromophenyl Phenyl Ether	58 U	58	7.9	
118-74-1	Hexachlorobenzene	58 U	58	8.5	
87-86-5	Pentachlorophenol	580 U	580	45	
86-74-8	Carbazole	290 U	290	48	
84-74-2	Di-n-butyl Phthalate	290 U	290	23	
92-87-5	Benzidine	7200 U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	580 U	580	20	
91-94-1	3,3'-Dichlorobenzidine	2900 U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	720 U	720	76	
117-84-0	Di-n-octyl Phthalate	580 U	580	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-D-SS-WB-comp-1
Lab Code: K2409451-004
File ID: J:\MS14\DATA\011505\0115F015.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	81	20-130	01/15/05	Acceptable
Phenol-d6	84	20-130	01/15/05	Acceptable
Nitrobenzene-d5	88	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	80	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	114	20-130	01/15/05	Acceptable
Terphenyl-d14	109	20-130	01/15/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-SS-WB-comp-1
Lab Code: K2409451-005
File ID: J:\MS14\DATA\011505\0115F016.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	120 U	120	15	
62-53-3	Aniline	1200 U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	57 U	57	13	
108-95-2	Phenol	68 J	150	25	
95-57-8	2-Chlorophenol	120 U	120	16	
541-73-1	1,3-Dichlorobenzene	57 U	57	16	
106-46-7	1,4-Dichlorobenzene	57 U	57	16	
95-50-1	1,2-Dichlorobenzene	57 U	57	18	
100-51-6	Benzyl Alcohol	57 U	57	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	57 U	57	16	
95-48-7	2-Methylphenol	120 U	120	76	
67-72-1	Hexachloroethane	57 U	57	13	
621-64-7	N-Nitrosodi-n-propylamine	57 U	57	12	
106-44-5	4-Methylphenol†	120 U	120	22	
98-95-3	Nitrobenzene	57 U	57	15	
78-59-1	Isophorone	57 U	57	8.3	
88-75-5	2-Nitrophenol	57 U	57	22	
105-67-9	2,4-Dimethylphenol	120 U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	57 U	57	7.2	
120-83-2	2,4-Dichlorophenol	120 U	120	18	
65-85-0	Benzoic Acid	1300	1200	280	
120-82-1	1,2,4-Trichlorobenzene	57 U	57	15	
106-47-8	4-Chloroaniline	290 U	290	8.5	
87-68-3	Hexachlorobutadiene	57 U	57	13	
59-50-7	4-Chloro-3-methylphenol	290 U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200 U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	120 U	120	13	
95-95-4	2,4,5-Trichlorophenol	120 U	120	16	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-SS-WB-comp-1
 Lab Code: K2409451-005
 File ID: J:\MS14\DATA\011505\0115F016.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	57 U	57	8.5	
88-74-4	2-Nitroaniline	290 U	290	38	
131-11-3	Dimethyl Phthalate	57 U	57	7.3	
606-20-2	2,6-Dinitrotoluene	290 U	290	10	
99-09-2	3-Nitroaniline	570 U	570	13	
51-28-5	2,4-Dinitrophenol	1200 U	1200	33	*
100-02-7	4-Nitrophenol	570 U	570	11	
121-14-2	2,4-Dinitrotoluene	290 U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	57 U	57	6.5	
84-66-2	Diethyl Phthalate	22 J	120	14	
100-01-6	4-Nitroaniline	290 U	290	38	
534-52-1	2-Methyl-4,6-dinitrophenol	1200 U	1200	22	
86-30-6	N-Nitrosodiphenylamine	57 U	57	14	
101-55-3	4-Bromophenyl Phenyl Ether	57 U	57	7.9	
118-74-1	Hexachlorobenzene	57 U	57	8.5	
87-86-5	Pentachlorophenol	570 U	570	45	
86-74-8	Carbazole	290 U	290	48	
84-74-2	Di-n-butyl Phthalate	290 U	290	23	
92-87-5	Benzidine	7200 U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	570 U	570	20	
91-94-1	3,3'-Dichlorobenzidine	2900 U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	280 J	720	76	*
117-84-0	Di-n-octyl Phthalate	570 U	570	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-SS-WB-comp-1
Lab Code: K2409451-005
File ID: J:\MS14\DATA\011505\0115F016.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	80	20-130	01/16/05	Acceptable
Phenol-d6	82	20-130	01/16/05	Acceptable
Nitrobenzene-d5	84	20-130	01/16/05	Acceptable
2-Fluorobiphenyl	78	20-130	01/16/05	Acceptable
2,4,6-Tribromophenol	107	20-130	01/16/05	Acceptable
Terphenyl-d14	97	20-130	01/16/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-F-SS-WB-comp-1
 Lab Code: K2409451-006
 File ID: J:\MS14\DATA\011505\0115F017.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	120 U	120	15	
62-53-3	Aniline	1200 U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	57 U	57	13	
108-95-2	Phenol	290	150	25	
95-57-8	2-Chlorophenol	120 U	120	16	
541-73-1	1,3-Dichlorobenzene	57 U	57	16	
106-46-7	1,4-Dichlorobenzene	57 U	57	16	
95-50-1	1,2-Dichlorobenzene	57 U	57	18	
100-51-6	Benzyl Alcohol	57 U	57	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	57 U	57	16	
95-48-7	2-Methylphenol	120 U	120	76	
67-72-1	Hexachloroethane	57 U	57	13	
621-64-7	N-Nitrosodi-n-propylamine	57 U	57	12	
106-44-5	4-Methylphenol†	120 U	120	22	
98-95-3	Nitrobenzene	57 U	57	15	
78-59-1	Isophorone	57 U	57	8.3	
88-75-5	2-Nitrophenol	57 U	57	22	
105-67-9	2,4-Dimethylphenol	120 U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	57 U	57	7.2	
120-83-2	2,4-Dichlorophenol	120 U	120	18	
65-85-0	Benzoic Acid	1400	1200	280	
120-82-1	1,2,4-Trichlorobenzene	57 U	57	15	
106-47-8	4-Chloroaniline	290 U	290	8.4	
87-68-3	Hexachlorobutadiene	57 U	57	13	
59-50-7	4-Chloro-3-methylphenol	290 U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200 U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	120 U	120	13	
95-95-4	2,4,5-Trichlorophenol	120 U	120	16	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-F-SS-WB-comp-1
Lab Code: K2409451-006
File ID: J:\MS14\DATA\011505\0115F017.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	57 U	57	8.4	
88-74-4	2-Nitroaniline	290 U	290	37	
131-11-3	Dimethyl Phthalate	57 U	57	7.3	
606-20-2	2,6-Dinitrotoluene	290 U	290	10	
99-09-2	3-Nitroaniline	570 U	570	13	
51-28-5	2,4-Dinitrophenol	1200 U	1200	33	*
100-02-7	4-Nitrophenol	570 U	570	11	
121-14-2	2,4-Dinitrotoluene	290 U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	57 U	57	6.5	
84-66-2	Diethyl Phthalate	22 J	120	14	
100-01-6	4-Nitroaniline	290 U	290	37	
534-52-1	2-Methyl-4,6-dinitrophenol	1200 U	1200	22	
86-30-6	N-Nitrosodiphenylamine	57 U	57	14	
101-55-3	4-Bromophenyl Phenyl Ether	57 U	57	7.9	
118-74-1	Hexachlorobenzene	57 U	57	8.4	
87-86-5	Pentachlorophenol	570 U	570	45	
86-74-8	Carbazole	290 U	290	47	
84-74-2	Di-n-butyl Phthalate	290 U	290	23	
92-87-5	Benzidine	7200 U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	570 U	570	20	
91-94-1	3,3'-Dichlorobenzidine	2900 U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	720 U	720	76	
117-84-0	Di-n-octyl Phthalate	570 U	570	19	

* See Case Narrative

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-F-SS-WB-comp-1
Lab Code: K2409451-006
File ID: J:\MS14\DATA\011505\0115F017.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	94	20-130	01/16/05	Acceptable
Phenol-d6	95	20-130	01/16/05	Acceptable
Nitrobenzene-d5	101	20-130	01/16/05	Acceptable
2-Fluorobiphenyl	91	20-130	01/16/05	Acceptable
2,4,6-Tribromophenol	126	20-130	01/16/05	Acceptable
Terphenyl-d14	117	20-130	01/16/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-A-SS-WB-comp-1
 Lab Code: K2409451-007
 File ID: J:\MS14\DATA\011505\0115F018.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	120	U	120	15	
62-53-3	Aniline	1200	U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	57	U	57	13	
108-95-2	Phenol	52	J	150	25	
95-57-8	2-Chlorophenol	120	U	120	16	
541-73-1	1,3-Dichlorobenzene	57	U	57	16	
106-46-7	1,4-Dichlorobenzene	57	U	57	16	
95-50-1	1,2-Dichlorobenzene	57	U	57	18	
100-51-6	Benzyl Alcohol	57	U	57	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	57	U	57	16	
95-48-7	2-Methylphenol	120	U	120	76	
67-72-1	Hexachloroethane	57	U	57	13	
621-64-7	N-Nitrosodi-n-propylamine	57	U	57	12	
106-44-5	4-Methylphenol†	120	U	120	22	
98-95-3	Nitrobenzene	57	U	57	15	
78-59-1	Isophorone	57	U	57	8.3	
88-75-5	2-Nitrophenol	57	U	57	22	
105-67-9	2,4-Dimethylphenol	120	U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	57	U	57	7.2	
120-83-2	2,4-Dichlorophenol	120	U	120	18	
65-85-0	Benzoic Acid	1500		1200	280	
120-82-1	1,2,4-Trichlorobenzene	57	U	57	15	
106-47-8	4-Chloroaniline	290	U	290	8.4	
87-68-3	Hexachlorobutadiene	57	U	57	13	
59-50-7	4-Chloro-3-methylphenol	290	U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200	U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	120	U	120	13	
95-95-4	2,4,5-Trichlorophenol	120	U	120	16	

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-A-SS-WB-comp-1
 Lab Code: K2409451-007
 File ID: J:\MS14\DATA\011505\0115F018.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	57	U	57	8.4	
88-74-4	2-Nitroaniline	290	U	290	37	
131-11-3	Dimethyl Phthalate	57	U	57	7.3	
606-20-2	2,6-Dinitrotoluene	290	U	290	10	
99-09-2	3-Nitroaniline	570	U	570	13	
51-28-5	2,4-Dinitrophenol	1200	U	1200	33	*
100-02-7	4-Nitrophenol	570	U	570	11	
121-14-2	2,4-Dinitrotoluene	290	U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	57	U	57	6.5	
84-66-2	Diethyl Phthalate	120	U	120	14	
100-01-6	4-Nitroaniline	290	U	290	37	
534-52-1	2-Methyl-4,6-dinitrophenol	1200	U	1200	22	
86-30-6	N-Nitrosodiphenylamine	57	U	57	14	
101-55-3	4-Bromophenyl Phenyl Ether	57	U	57	7.9	
118-74-1	Hexachlorobenzene	57	U	57	8.4	
87-86-5	Pentachlorophenol	570	U	570	45	
86-74-8	Carbazole	290	U	290	47	
84-74-2	Di-n-butyl Phthalate	290	U	290	23	
92-87-5	Benzidine	7200	U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	570	U	570	20	
91-94-1	3,3'-Dichlorobenzidine	2900	U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	720	U	720	76	
117-84-0	Di-n-octyl Phthalate	570	U	570	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-A-SS-WB-comp-1
Lab Code: K2409451-007
File ID: J:\MS14\DATA\011505\0115F018.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	81	20-130	01/16/05	Acceptable
Phenol-d6	83	20-130	01/16/05	Acceptable
Nitrobenzene-d5	88	20-130	01/16/05	Acceptable
2-Fluorobiphenyl	81	20-130	01/16/05	Acceptable
2,4,6-Tribromophenol	111	20-130	01/16/05	Acceptable
Terphenyl-d14	103	20-130	01/16/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-B-SS-WB-comp-1
 Lab Code: K2409451-008
 File ID: J:\MS14\DATA\011505\0115F019.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	120 U	120	15	
62-53-3	Aniline	1200 U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	57 U	57	13	
108-95-2	Phenol	68 J	150	25	
95-57-8	2-Chlorophenol	120 U	120	16	
541-73-1	1,3-Dichlorobenzene	57 U	57	16	
106-46-7	1,4-Dichlorobenzene	57 U	57	16	
95-50-1	1,2-Dichlorobenzene	57 U	57	18	
100-51-6	Benzyl Alcohol	57 U	57	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	57 U	57	16	
95-48-7	2-Methylphenol	120 U	120	76	
67-72-1	Hexachloroethane	57 U	57	13	
621-64-7	N-Nitrosodi-n-propylamine	57 U	57	12	
106-44-5	4-Methylphenol†	120 U	120	22	
98-95-3	Nitrobenzene	57 U	57	15	
78-59-1	Isophorone	57 U	57	8.3	
88-75-5	2-Nitrophenol	57 U	57	22	
105-67-9	2,4-Dimethylphenol	120 U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	57 U	57	7.2	
120-83-2	2,4-Dichlorophenol	120 U	120	18	
65-85-0	Benzoic Acid	1400	1200	270	
120-82-1	1,2,4-Trichlorobenzene	57 U	57	15	
106-47-8	4-Chloroaniline	290 U	290	8.4	
87-68-3	Hexachlorobutadiene	57 U	57	13	
59-50-7	4-Chloro-3-methylphenol	290 U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200 U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	120 U	120	13	
95-95-4	2,4,5-Trichlorophenol	120 U	120	16	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-B-SS-WB-comp-1
 Lab Code: K2409451-008
 File ID: J:\MS14\DATA\011505\0115F019.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4150

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	57 U	57	8.4	
88-74-4	2-Nitroaniline	290 U	290	37	
131-11-3	Dimethyl Phthalate	57 U	57	7.3	
606-20-2	2,6-Dinitrotoluene	290 U	290	10	
99-09-2	3-Nitroaniline	570 U	570	13	
51-28-5	2,4-Dinitrophenol	1200 U	1200	33	*
100-02-7	4-Nitrophenol	570 U	570	11	
121-14-2	2,4-Dinitrotoluene	290 U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	57 U	57	6.4	
84-66-2	Diethyl Phthalate	19 J	120	14	
100-01-6	4-Nitroaniline	290 U	290	37	
534-52-1	2-Methyl-4,6-dinitrophenol	1200 U	1200	22	
86-30-6	N-Nitrosodiphenylamine	57 U	57	14	
101-55-3	4-Bromophenyl Phenyl Ether	57 U	57	7.9	
118-74-1	Hexachlorobenzene	57 U	57	8.4	
87-86-5	Pentachlorophenol	570 U	570	45	
86-74-8	Carbazole	290 U	290	47	
84-74-2	Di-n-butyl Phthalate	290 U	290	23	
92-87-5	Benzidine	7200 U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	570 U	570	20	
91-94-1	3,3'-Dichlorobenzidine	2900 U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	720 U	720	76	
117-84-0	Di-n-octyl Phthalate	570 U	570	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-B-SS-WB-comp-1
Lab Code: K2409451-008
File ID: J:\MS14\DATA\011505\0115F019.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4150

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	77	20-130	01/16/05	Acceptable
Phenol-d6	78	20-130	01/16/05	Acceptable
Nitrobenzene-d5	84	20-130	01/16/05	Acceptable
2-Fluorobiphenyl	76	20-130	01/16/05	Acceptable
2,4,6-Tribromophenol	105	20-130	01/16/05	Acceptable
Terphenyl-d14	98	20-130	01/16/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-C-SS-WB-comp-1
 Lab Code: K2409451-009
 File ID: J:\MS06\DATA\011505\0115F014.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	570 U	570	15	
62-53-3	Aniline	1200 U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	57 U	57	13	
108-95-2	Phenol	62 J	150	25	
95-57-8	2-Chlorophenol	120 U	120	16	
541-73-1	1,3-Dichlorobenzene	57 U	57	16	
106-46-7	1,4-Dichlorobenzene	57 U	57	16	
95-50-1	1,2-Dichlorobenzene	57 U	57	18	
100-51-6	Benzyl Alcohol	290 U	290	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	120 U	120	16	
95-48-7	2-Methylphenol	120 U	120	76	
67-72-1	Hexachloroethane	57 U	57	13	
621-64-7	N-Nitrosodi-n-propylamine	120 U	120	12	
106-44-5	4-Methylphenol†	120 U	120	22	
98-95-3	Nitrobenzene	57 U	57	15	
78-59-1	Isophorone	57 U	57	8.3	*
88-75-5	2-Nitrophenol	57 U	57	22	
105-67-9	2,4-Dimethylphenol	290 U	290	19	
111-91-1	Bis(2-chloroethoxy)methane	120 U	120	7.2	
120-83-2	2,4-Dichlorophenol	120 U	120	18	
65-85-0	Benzoic Acid	2900 U	2900	280	
120-82-1	1,2,4-Trichlorobenzene	57 U	57	15	
106-47-8	4-Chloroaniline	290 U	290	8.5	
87-68-3	Hexachlorobutadiene	57 U	57	13	
59-50-7	4-Chloro-3-methylphenol	290 U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200 U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	290 U	290	13	
95-95-4	2,4,5-Trichlorophenol	290 U	290	16	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-C-SS-WB-comp-1
 Lab Code: K2409451-009
 File ID: J:\MS06\DATA\011505\0115F014.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	57	U	57	8.5	
88-74-4	2-Nitroaniline	290	U	290	38	
131-11-3	Dimethyl Phthalate	12	J	57	7.3	
606-20-2	2,6-Dinitrotoluene	57	U	57	10	
99-09-2	3-Nitroaniline	570	U	570	13	
51-28-5	2,4-Dinitrophenol	2900	U	2900	33	*
100-02-7	4-Nitrophenol	530	J	1200	11	
121-14-2	2,4-Dinitrotoluene	290	U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	57	U	57	6.5	
84-66-2	Diethyl Phthalate	120	U	120	14	
100-01-6	4-Nitroaniline	290	U	290	38	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	22	
86-30-6	N-Nitrosodiphenylamine	57	U	57	14	
101-55-3	4-Bromophenyl Phenyl Ether	57	U	57	7.9	
118-74-1	Hexachlorobenzene	57	U	57	8.5	
87-86-5	Pentachlorophenol	1200	U	1200	45	
86-74-8	Carbazole	290	U	290	48	
84-74-2	Di-n-butyl Phthalate	57	U	57	23	
92-87-5	Benzidine	7200	U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	300		57	20	
91-94-1	3,3'-Dichlorobenzidine	2900	U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	280	J	720	76	
117-84-0	Di-n-octyl Phthalate	290	U	290	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-C-SS-WB-comp-1
Lab Code: K2409451-009
File ID: J:\MS06\DATA\011505\0115F014.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4147

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	66	20-130	01/16/05	Acceptable
Phenol-d6	89	20-130	01/16/05	Acceptable
Nitrobenzene-d5	90	20-130	01/16/05	Acceptable
2-Fluorobiphenyl	83	20-130	01/16/05	Acceptable
2,4,6-Tribromophenol	114	20-130	01/16/05	Acceptable
Terphenyl-d14	84	20-130	01/16/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-D-SS-WB-comp-1
 Lab Code: K2409451-010
 File ID: J:\MS06\DATA\011505\0115F015.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	570	U	570	15	
62-53-3	Aniline	1200	U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	57	U	57	13	
108-95-2	Phenol	79	J	150	25	
95-57-8	2-Chlorophenol	120	U	120	16	
541-73-1	1,3-Dichlorobenzene	57	U	57	16	
106-46-7	1,4-Dichlorobenzene	57	U	57	16	
95-50-1	1,2-Dichlorobenzene	57	U	57	18	
100-51-6	Benzyl Alcohol	290	U	290	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	120	U	120	16	
95-48-7	2-Methylphenol	120	U	120	76	
67-72-1	Hexachloroethane	57	U	57	13	
621-64-7	N-Nitrosodi-n-propylamine	120	U	120	12	
106-44-5	4-Methylphenol†	120	U	120	22	
98-95-3	Nitrobenzene	57	U	57	15	
78-59-1	Isophorone	57	U	57	8.3	*
88-75-5	2-Nitrophenol	57	U	57	22	
105-67-9	2,4-Dimethylphenol	290	U	290	19	
111-91-1	Bis(2-chloroethoxy)methane	120	U	120	7.2	
120-83-2	2,4-Dichlorophenol	120	U	120	18	
65-85-0	Benzoic Acid	2900	U	2900	280	
120-82-1	1,2,4-Trichlorobenzene	57	U	57	15	
106-47-8	4-Chloroaniline	290	U	290	8.4	
87-68-3	Hexachlorobutadiene	57	U	57	13	
59-50-7	4-Chloro-3-methylphenol	290	U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200	U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	290	U	290	13	
95-95-4	2,4,5-Trichlorophenol	290	U	290	16	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-D-SS-WB-comp-1
 Lab Code: K2409451-010
 File ID: J:\MS06\DATA\011505\0115F015.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	57 U	57	8.4	
88-74-4	2-Nitroaniline	290 U	290	37	
131-11-3	Dimethyl Phthalate	11 J	57	7.3	
606-20-2	2,6-Dinitrotoluene	57 U	57	10	
99-09-2	3-Nitroaniline	570 U	570	13	
51-28-5	2,4-Dinitrophenol	2900 U	2900	33	*
100-02-7	4-Nitrophenol	530 J	1200	11	
121-14-2	2,4-Dinitrotoluene	290 U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	57 U	57	6.5	
84-66-2	Diethyl Phthalate	120 U	120	14	
100-01-6	4-Nitroaniline	290 U	290	37	
534-52-1	2-Methyl-4,6-dinitrophenol	2900 U	2900	22	
86-30-6	N-Nitrosodiphenylamine	57 U	57	14	
101-55-3	4-Bromophenyl Phenyl Ether	57 U	57	7.9	
118-74-1	Hexachlorobenzene	57 U	57	8.4	
87-86-5	Pentachlorophenol	1200 U	1200	45	
86-74-8	Carbazole	290 U	290	47	
84-74-2	Di-n-butyl Phthalate	57 U	57	23	
92-87-5	Benzidine	7200 U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	57 U	57	20	
91-94-1	3,3'-Dichlorobenzidine	2900 U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	420 J	720	76	
117-84-0	Di-n-octyl Phthalate	290 U	290	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-D-SS-WB-comp-1
Lab Code: K2409451-010
File ID: J:\MS06\DATA\011505\0115F015.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4147

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	65	20-130	01/16/05	Acceptable
Phenol-d6	83	20-130	01/16/05	Acceptable
Nitrobenzene-d5	92	20-130	01/16/05	Acceptable
2-Fluorobiphenyl	77	20-130	01/16/05	Acceptable
2,4,6-Tribromophenol	103	20-130	01/16/05	Acceptable
Terphenyl-d14	81	20-130	01/16/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-E-SS-WB-comp-1
 Lab Code: K2409451-011
 File ID: J:\MS17\DATA\011805\0118006.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4162

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	570	U	570	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	200	JD	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	7400	JD	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	130	
95-95-4	2,4,5-Trichlorophenol	1200	U	1200	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-E-SS-WB-comp-1
Lab Code: K2409451-011
File ID: J:\MS17\DATA\011805\0118006.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	*
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	64	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	2400	JD	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	570	U	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	2100	JD	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-E-SS-WB-comp-1
Lab Code: K2409451-011
File ID: J:\MS17\DATA\011805\0118006.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	82	20-130	01/18/05	Acceptable
Phenol-d6	79	20-130	01/18/05	Acceptable
Nitrobenzene-d5	77	20-130	01/18/05	Acceptable
2-Fluorobiphenyl	108	20-130	01/18/05	Acceptable
2,4,6-Tribromophenol	129	20-130	01/18/05	Acceptable
Terphenyl-d14	119	20-130	01/18/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-F-SS-WB-comp-1
 Lab Code: K2409451-012
 File ID: J:\MS06\DATA\011505\0115F017.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	580 U	580	15	
62-53-3	Aniline	1200 U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	58 U	58	13	
108-95-2	Phenol	61 J	150	25	
95-57-8	2-Chlorophenol	120 U	120	16	
541-73-1	1,3-Dichlorobenzene	58 U	58	16	
106-46-7	1,4-Dichlorobenzene	58 U	58	16	
95-50-1	1,2-Dichlorobenzene	58 U	58	18	
100-51-6	Benzyl Alcohol	290 U	290	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	120 U	120	16	
95-48-7	2-Methylphenol	120 U	120	76	
67-72-1	Hexachloroethane	58 U	58	13	
621-64-7	N-Nitrosodi-n-propylamine	120 U	120	12	
106-44-5	4-Methylphenol†	120 U	120	22	
98-95-3	Nitrobenzene	58 U	58	15	
78-59-1	Isophorone	58 U	58	8.3	*
88-75-5	2-Nitrophenol	58 U	58	22	
105-67-9	2,4-Dimethylphenol	290 U	290	19	
111-91-1	Bis(2-chloroethoxy)methane	120 U	120	7.2	
120-83-2	2,4-Dichlorophenol	120 U	120	18	
65-85-0	Benzoic Acid	2900 U	2900	280	
120-82-1	1,2,4-Trichlorobenzene	58 U	58	15	
106-47-8	4-Chloroaniline	290 U	290	8.5	
87-68-3	Hexachlorobutadiene	58 U	58	13	
59-50-7	4-Chloro-3-methylphenol	290 U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200 U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	290 U	290	13	
95-95-4	2,4,5-Trichlorophenol	290 U	290	16	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-F-SS-WB-comp-1
 Lab Code: K2409451-012
 File ID: J:\MS06\DATA\011505\0115F017.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	58	U	58	8.5	
88-74-4	2-Nitroaniline	290	U	290	38	
131-11-3	Dimethyl Phthalate	9.9	J	58	7.3	
606-20-2	2,6-Dinitrotoluene	58	U	58	10	
99-09-2	3-Nitroaniline	580	U	580	13	
51-28-5	2,4-Dinitrophenol	2900	U	2900	33	*
100-02-7	4-Nitrophenol	1200	U	1200	11	
121-14-2	2,4-Dinitrotoluene	290	U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	58	U	58	6.5	
84-66-2	Diethyl Phthalate	120	U	120	14	
100-01-6	4-Nitroaniline	290	U	290	38	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	22	
86-30-6	N-Nitrosodiphenylamine	58	U	58	14	
101-55-3	4-Bromophenyl Phenyl Ether	58	U	58	7.9	
118-74-1	Hexachlorobenzene	58	U	58	8.5	
87-86-5	Pentachlorophenol	1200	U	1200	45	
86-74-8	Carbazole	290	U	290	48	
84-74-2	Di-n-butyl Phthalate	58	U	58	23	
92-87-5	Benzidine	7200	U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	58	U	58	20	
91-94-1	3,3'-Dichlorobenzidine	2900	U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	420	J	720	76	
117-84-0	Di-n-octyl Phthalate	290	U	290	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/16/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-F-SS-WB-comp-1
Lab Code: K2409451-012
File ID: J:\MS06\DATA\011505\0115F017.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4147

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	77	20-130	01/16/05	Acceptable
Phenol-d6	99	20-130	01/16/05	Acceptable
Nitrobenzene-d5	111	20-130	01/16/05	Acceptable
2-Fluorobiphenyl	93	20-130	01/16/05	Acceptable
2,4,6-Tribromophenol	133	20-130	01/16/05	Outside Control Limits
Terphenyl-d14	162	20-130	01/16/05	Outside Control Limits

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-A-SS-WB-comp-1
Lab Code: K2409451-013
File ID: J:\MS17\DATA\011805\0118007.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	580	U	580	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	7100	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	130	
95-95-4	2,4,5-Trichlorophenol	1200	U	1200	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-A-SS-WB-comp-1
 Lab Code: K2409451-013
 File ID: J:\MS17\DATA\011805\0118007.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4162

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	*
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	2200	JD	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	580	U	580	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-A-SS-WB-comp-1
Lab Code: K2409451-013
File ID: J:\MS17\DATA\011805\0118007.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	77	20-130	01/18/05	Acceptable
Phenol-d6	79	20-130	01/18/05	Acceptable
Nitrobenzene-d5	75	20-130	01/18/05	Acceptable
2-Fluorobiphenyl	93	20-130	01/18/05	Acceptable
2,4,6-Tribromophenol	126	20-130	01/18/05	Acceptable
Terphenyl-d14	101	20-130	01/18/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-B-SS-WB-comp-1
 Lab Code: K2409451-014
 File ID: J:\MS17\DATA\011805\0118009.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4162

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	570 U	570	150	
62-53-3	Aniline	12000 U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570 U	570	130	
108-95-2	Phenol	310 JD	1500	250	
95-57-8	2-Chlorophenol	1200 U	1200	160	
541-73-1	1,3-Dichlorobenzene	570 U	570	160	
106-46-7	1,4-Dichlorobenzene	570 U	570	160	
95-50-1	1,2-Dichlorobenzene	570 U	570	180	
100-51-6	Benzyl Alcohol	570 U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570 U	570	160	
95-48-7	2-Methylphenol	1200 U	1200	760	
67-72-1	Hexachloroethane	570 U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570 U	570	120	
106-44-5	4-Methylphenol†	1200 U	1200	220	
98-95-3	Nitrobenzene	570 U	570	150	
78-59-1	Isophorone	570 U	570	83	
88-75-5	2-Nitrophenol	2900 U	2900	220	
105-67-9	2,4-Dimethylphenol	1200 U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570 U	570	72	
120-83-2	2,4-Dichlorophenol	1200 U	1200	180	
65-85-0	Benzoic Acid	7000 JD	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570 U	570	150	
106-47-8	4-Chloroaniline	2900 U	2900	84	
87-68-3	Hexachlorobutadiene	570 U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900 U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000 U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	1200 U	1200	130	
95-95-4	2,4,5-Trichlorophenol	1200 U	1200	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-B-SS-WB-comp-1
 Lab Code: K2409451-014
 File ID: J:\MS17\DATA\011805\0118009.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4162

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	*
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	64	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	570	U	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-B-SS-WB-comp-1
Lab Code: K2409451-014
File ID: J:\MS17\DATA\011805\0118009.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	76	20-130	01/18/05	Acceptable
Phenol-d6	72	20-130	01/18/05	Acceptable
Nitrobenzene-d5	74	20-130	01/18/05	Acceptable
2-Fluorobiphenyl	92	20-130	01/18/05	Acceptable
2,4,6-Tribromophenol	131	20-130	01/18/05	Outside Control Limits
Terphenyl-d14	100	20-130	01/18/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-C-SS-WB-comp-1
 Lab Code: K2409451-015
 File ID: J:\MS17\DATA\011805\0118010.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4162

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	570	U	570	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	670	JD	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	6900	JD	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	130	
95-95-4	2,4,5-Trichlorophenol	1200	U	1200	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-C-SS-WB-comp-1
 Lab Code: K2409451-015
 File ID: J:\MS17\DATA\011805\0118010.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4162

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	*
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	64	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	570	U	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-C-SS-WB-comp-1
Lab Code: K2409451-015
File ID: J:\MS17\DATA\011805\0118010.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	79	20-130	01/18/05	Acceptable
Phenol-d6	84	20-130	01/18/05	Acceptable
Nitrobenzene-d5	82	20-130	01/18/05	Acceptable
2-Fluorobiphenyl	99	20-130	01/18/05	Acceptable
2,4,6-Tribromophenol	140	20-130	01/18/05	Outside Control Limits
Terphenyl-d14	107	20-130	01/18/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-D-SS-WB-comp-1
 Lab Code: K2409451-016
 File ID: J:\MS17\DATA\011805\0118011.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4162

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	570	U	570	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	Ui	1500	1500	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1100	JD	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1500	D	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	5200	Ui	5200	5200	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	54000	D	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	*
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	130	*
95-95-4	2,4,5-Trichlorophenol	1200	U	1200	160	*

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-D-SS-WB-comp-1
Lab Code: K2409451-016
File ID: J:\MS17\DATA\011805\0118011.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	*
88-74-4	2-Nitroaniline	2900	U	2900	370	*
131-11-3	Dimethyl Phthalate	850	D	570	73	*
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	*
99-09-2	3-Nitroaniline	5700	U	5700	130	*
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	*
100-02-7	4-Nitrophenol	5700	U	5700	110	*
121-14-2	2,4-Dinitrotoluene	5800	D	2900	130	*
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	*
84-66-2	Diethyl Phthalate	970	JD	1200	140	*
100-01-6	4-Nitroaniline	2900	U	2900	370	*
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	*
86-30-6	N-Nitrosodiphenylamine	140000	ED	570	140	*
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	2200	JD	5700	450	
86-74-8	Carbazole	14000	D	2900	470	
84-74-2	Di-n-butyl Phthalate	2300	D	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-D-SS-WB-comp-1
Lab Code: K2409451-016
File ID: J:\MS17\DATA\011805\0118011.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	78	20-130	01/18/05	Acceptable
Phenol-d6	39	20-130	01/18/05	Acceptable
Nitrobenzene-d5	100	20-130	01/18/05	Acceptable
2-Fluorobiphenyl	967	20-130	01/18/05	Outside Control Limits
2,4,6-Tribromophenol	117	20-130	01/18/05	Acceptable
Terphenyl-d14	97	20-130	01/18/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/10/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-D-SS-WB-comp-1DL
 Lab Code: K2409451-016
 File ID: J:\MS06\DATA\012105\1021F004.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4169

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 50

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	57000	U	57000	720	
62-53-3	Aniline	57000	U	57000	17000	
111-44-4	Bis(2-chloroethyl) Ether	5700	U	5700	620	
108-95-2	Phenol	7200	U	7200	1300	
95-57-8	2-Chlorophenol	5700	U	5700	790	
541-73-1	1,3-Dichlorobenzene	2900	U	2900	790	
106-46-7	1,4-Dichlorobenzene	2900	U	2900	790	
95-50-1	1,2-Dichlorobenzene	2900	U	2900	860	
100-51-6	Benzyl Alcohol	5700	U	5700	480	
39638-32-9	Bis(2-chloroisopropyl) Ether	2900	U	2900	790	
95-48-7	2-Methylphenol	5700	U	5700	3800	
67-72-1	Hexachloroethane	2900	U	2900	610	
621-64-7	N-Nitrosodi-n-propylamine	2900	U	2900	590	
106-44-5	4-Methylphenol†	5700	U	5700	1100	
98-95-3	Nitrobenzene	2900	U	2900	720	
78-59-1	Isophorone	2900	U	2900	420	
88-75-5	2-Nitrophenol	15000	U	15000	1100	
105-67-9	2,4-Dimethylphenol	5700	U	5700	930	
111-91-1	Bis(2-chloroethoxy)methane	15000	U	15000	360	
120-83-2	2,4-Dichlorophenol	5700	U	5700	860	
65-85-0	Benzoic Acid	57000	U	57000	14000	
120-82-1	1,2,4-Trichlorobenzene	2900	U	2900	710	
106-47-8	4-Chloroaniline	15000	U	15000	420	
87-68-3	Hexachlorobutadiene	2900	U	2900	610	
59-50-7	4-Chloro-3-methylphenol	15000	U	15000	5200	
77-47-4	Hexachlorocyclopentadiene	360000	U	360000	360000	
88-06-2	2,4,6-Trichlorophenol	15000	U	15000	630	
95-95-4	2,4,5-Trichlorophenol	15000	U	15000	790	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-D-SS-WB-comp-1DL
Lab Code: K2409451-016
File ID: J:\MS06\DATA\012105\1021F004.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 50

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	2900	U	2900	420	
88-74-4	2-Nitroaniline	15000	U	15000	1900	
131-11-3	Dimethyl Phthalate	2900	U	2900	370	
606-20-2	2,6-Dinitrotoluene	15000	U	15000	500	
99-09-2	3-Nitroaniline	29000	U	29000	640	
51-28-5	2,4-Dinitrophenol	57000	U	57000	1700	*
100-02-7	4-Nitrophenol	29000	U	29000	540	
121-14-2	2,4-Dinitrotoluene	15000	U	15000	610	
7005-72-3	4-Chlorophenyl Phenyl Ether	2900	U	2900	330	
84-66-2	Diethyl Phthalate	900	JD	5700	670	
100-01-6	4-Nitroaniline	29000	U	29000	1900	
534-52-1	2-Methyl-4,6-dinitrophenol	29000	U	29000	1100	
86-30-6	N-Nitrosodiphenylamine	2900	U	2900	680	
101-55-3	4-Bromophenyl Phenyl Ether	2900	U	2900	400	
118-74-1	Hexachlorobenzene	2900	U	2900	420	
87-86-5	Pentachlorophenol	29000	U	29000	2300	
86-74-8	Carbazole	15000	U	15000	2400	
84-74-2	Di-n-butyl Phthalate	1700	JD	2900	1200	
92-87-5	Benzidine	360000	U	360000	360000	*
85-68-7	Butyl Benzyl Phthalate	5700	U	5700	1000	
91-94-1	3,3'-Dichlorobenzidine	150000	U	150000	56000	
117-81-7	Bis(2-ethylhexyl) Phthalate	36000	U	36000	3800	
117-84-0	Di-n-octyl Phthalate	15000	U	15000	930	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-D-SS-WB-comp-1DL
Lab Code: K2409451-016
File ID: J:\MS06\DATA\012105\1021F004.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 50

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	65	20-130	01/21/05	Acceptable
Phenol-d6	69	20-130	01/21/05	Acceptable
Nitrobenzene-d5	65	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	82	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	73	20-130	01/21/05	Acceptable
Terphenyl-d14	166	20-130	01/21/05	Outside Control Limits

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-E-SS-WB-comp-1
 Lab Code: K2409451-017
 File ID: J:\MS17\DATA\011805\0118012.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4162

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	290	U	290	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	290	U	290	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	290	U	290	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	240	JD	290	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	*
88-06-2	2,4,6-Trichlorophenol	570	U	570	88	*
95-95-4	2,4,5-Trichlorophenol	570	U	570	110	*

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-E-SS-WB-comp-1
Lab Code: K2409451-017
File ID: J:\MS17\DATA\011805\0118012.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4162

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	*
88-74-4	2-Nitroaniline	1500	U	1500	260	*
131-11-3	Dimethyl Phthalate	290	U	290	51	*
606-20-2	2,6-Dinitrotoluene	570	U	570	70	*
99-09-2	3-Nitroaniline	2900	U	2900	89	*
51-28-5	2,4-Dinitrophenol	5700	U	5700	230	*
100-02-7	4-Nitrophenol	6900	D	2900	75	*
121-14-2	2,4-Dinitrotoluene	1500	U	1500	85	*
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	*
84-66-2	Diethyl Phthalate	570	U	570	94	*
100-01-6	4-Nitroaniline	1500	U	1500	260	*
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	*
86-30-6	N-Nitrosodiphenylamine	4100	D	290	95	*
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	6000	D	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	570	U	570	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500	U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-E-SS-WB-comp-1
Lab Code: K2409451-017
File ID: J:\MS17\DATA\011805\0118012.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4162

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	74	20-130	01/18/05	Acceptable
Phenol-d6	27	20-130	01/18/05	Acceptable
Nitrobenzene-d5	95	20-130	01/18/05	Acceptable
2-Fluorobiphenyl	829	20-130	01/18/05	Outside Control Limits
2,4,6-Tribromophenol	138	20-130	01/18/05	Outside Control Limits
Terphenyl-d14	111	20-130	01/18/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-E-SS-WB-comp-1DL
Lab Code: K2409451-017
File ID: J:\MS06\DATA\012105\1021F005.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 50

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	29000	U	29000	500	
62-53-3	Aniline	29000	U	29000	12000	
111-44-4	Bis(2-chloroethyl) Ether	2900	U	2900	440	
108-95-2	Phenol	3600	U	3600	850	
95-57-8	2-Chlorophenol	2900	U	2900	550	
541-73-1	1,3-Dichlorobenzene	1500	U	1500	550	
106-46-7	1,4-Dichlorobenzene	1500	U	1500	550	
95-50-1	1,2-Dichlorobenzene	1500	U	1500	600	
100-51-6	Benzyl Alcohol	2900	U	2900	340	
39638-32-9	Bis(2-chloroisopropyl) Ether	1500	U	1500	550	
95-48-7	2-Methylphenol	2900	U	2900	2700	
67-72-1	Hexachloroethane	1500	U	1500	430	
621-64-7	N-Nitrosodi-n-propylamine	1500	U	1500	410	
106-44-5	4-Methylphenol†	2900	U	2900	750	
98-95-3	Nitrobenzene	1500	U	1500	500	
78-59-1	Isophorone	1500	U	1500	290	
88-75-5	2-Nitrophenol	7200	U	7200	750	
105-67-9	2,4-Dimethylphenol	2900	U	2900	650	
111-91-1	Bis(2-chloroethoxy)methane	7200	U	7200	250	
120-83-2	2,4-Dichlorophenol	2900	U	2900	600	
65-85-0	Benzoic Acid	29000	U	29000	9500	
120-82-1	1,2,4-Trichlorobenzene	1500	U	1500	500	
106-47-8	4-Chloroaniline	7200	U	7200	300	
87-68-3	Hexachlorobutadiene	1500	U	1500	430	
59-50-7	4-Chloro-3-methylphenol	7200	U	7200	3600	
77-47-4	Hexachlorocyclopentadiene	250000	U	250000	250000	
88-06-2	2,4,6-Trichlorophenol	7200	U	7200	440	
95-95-4	2,4,5-Trichlorophenol	7200	U	7200	550	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-E-SS-WB-comp-1DL
Lab Code: K2409451-017
File ID: J:\MS06\DATA\012105\1021F005.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 50

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	1500	U	1500	300	
88-74-4	2-Nitroaniline	7200	U	7200	1300	
131-11-3	Dimethyl Phthalate	1500	U	1500	260	
606-20-2	2,6-Dinitrotoluene	7200	U	7200	350	
99-09-2	3-Nitroaniline	15000	U	15000	450	
51-28-5	2,4-Dinitrophenol	29000	U	29000	1200	
100-02-7	4-Nitrophenol	15000	U	15000	380	
121-14-2	2,4-Dinitrotoluene	7200	U	7200	430	
7005-72-3	4-Chlorophenyl Phenyl Ether	1500	U	1500	230	
84-66-2	Diethyl Phthalate	510	JD	2900	470	
100-01-6	4-Nitroaniline	15000	U	15000	1300	
534-52-1	2-Methyl-4,6-dinitrophenol	15000	U	15000	750	
86-30-6	N-Nitrosodiphenylamine	1500	U	1500	480	
101-55-3	4-Bromophenyl Phenyl Ether	1500	U	1500	280	
118-74-1	Hexachlorobenzene	1500	U	1500	300	
87-86-5	Pentachlorophenol	15000	U	15000	1600	
86-74-8	Carbazole	7200	U	7200	1700	
84-74-2	Di-n-butyl Phthalate	1500	U	1500	800	
92-87-5	Benzidine	250000	U	250000	250000	*
85-68-7	Butyl Benzyl Phthalate	2900	U	2900	700	
91-94-1	3,3'-Dichlorobenzidine	72000	U	72000	39000	
117-81-7	Bis(2-ethylhexyl) Phthalate	18000	U	18000	2700	
117-84-0	Di-n-octyl Phthalate	7200	U	7200	650	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-E-SS-WB-comp-1DL
Lab Code: K2409451-017
File ID: J:\MS06\DATA\012105\1021F005.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 50

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	74	20-130	01/21/05	Acceptable
Phenol-d6	79	20-130	01/21/05	Acceptable
Nitrobenzene-d5	71	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	100	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	78	20-130	01/21/05	Acceptable
Terphenyl-d14	166	20-130	01/21/05	Outside Control Limits

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-F-SS-WB-comp-1
 Lab Code: K2409451-018
 File ID: J:\MS06\DATA\012105\1021F006.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5700	U	5700	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	87	
108-95-2	Phenol	570	JD	720	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	69	JD	570	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-F-SS-WB-comp-1
Lab Code: K2409451-018
File ID: J:\MS06\DATA\012105\1021F006.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	1500	U	1500	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5700	U	5700	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500	U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	140	JD	570	94	
100-01-6	4-Nitroaniline	2900	U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	760	D	570	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500	U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-F-SS-WB-comp-1
Lab Code: K2409451-018
File ID: J:\MS06\DATA\012105\1021F006.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	20-130	01/21/05	Acceptable
Phenol-d6	85	20-130	01/21/05	Acceptable
Nitrobenzene-d5	81	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	88	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	91	20-130	01/21/05	Acceptable
Terphenyl-d14	97	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-A-SS-WB-comp-1
Lab Code: K2409451-019
File ID: J:\MS06\DATA\012105\1021F007.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5700	U	5700	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	570	U	570	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-A-SS-WB-comp-1
 Lab Code: K2409451-019
 File ID: J:\MS06\DATA\012105\1021F007.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290 U	290	59	
88-74-4	2-Nitroaniline	1500 U	1500	260	
131-11-3	Dimethyl Phthalate	290 U	290	51	
606-20-2	2,6-Dinitrotoluene	1500 U	1500	70	
99-09-2	3-Nitroaniline	2900 U	2900	89	
51-28-5	2,4-Dinitrophenol	5700 U	5700	230	
100-02-7	4-Nitrophenol	2900 U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500 U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290 U	290	45	
84-66-2	Diethyl Phthalate	570 U	570	94	
100-01-6	4-Nitroaniline	2900 U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900 U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290 U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290 U	290	55	
118-74-1	Hexachlorobenzene	290 U	290	59	
87-86-5	Pentachlorophenol	2900 U	2900	310	
86-74-8	Carbazole	1500 U	1500	330	
84-74-2	Di-n-butyl Phthalate	290 U	290	160	
92-87-5	Benzidine	50000 U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	870 D	570	140	
91-94-1	3,3'-Dichlorobenzidine	15000 U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600 U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500 U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-A-SS-WB-comp-1
Lab Code: K2409451-019
File ID: J:\MS06\DATA\012105\1021F007.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	78	20-130	01/21/05	Acceptable
Phenol-d6	86	20-130	01/21/05	Acceptable
Nitrobenzene-d5	80	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	86	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	93	20-130	01/21/05	Acceptable
Terphenyl-d14	96	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-B-SS-WB-comp-1
 Lab Code: K2409451-020
 File ID: J:\MS06\DATA\012105\1021F008.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5800	U	5800	100	
62-53-3	Aniline	5800	U	5800	2300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	580	U	580	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	580	U	580	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	580	U	580	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	580	U	580	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	580	U	580	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	580	U	580	120	
65-85-0	Benzoic Acid	5800	U	5800	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-B-SS-WB-comp-1
Lab Code: K2409451-020
File ID: J:\MS06\DATA\012105\1021F008.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	1500	U	1500	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5800	U	5800	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500	U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	580	U	580	94	
100-01-6	4-Nitroaniline	2900	U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	800	D	580	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500	U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-B-SS-WB-comp-1
Lab Code: K2409451-020
File ID: J:\MS06\DATA\012105\1021F008.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	83	20-130	01/21/05	Acceptable
Phenol-d6	89	20-130	01/21/05	Acceptable
Nitrobenzene-d5	81	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	87	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	89	20-130	01/21/05	Acceptable
Terphenyl-d14	96	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-B-SS-WB-comp-2
Lab Code: K2409451-021
File ID: J:\MS06\DATA\012105\1021F009.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5700	U	5700	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	87	
108-95-2	Phenol	270	JD	720	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	100	JD	570	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-B-SS-WB-comp-2
Lab Code: K2409451-021
File ID: J:\MS06\DATA\012105\1021F009.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	1500	U	1500	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5700	U	5700	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500	U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	570	U	570	94	
100-01-6	4-Nitroaniline	2900	U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	1100	D	570	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500	U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-B-SS-WB-comp-2
Lab Code: K2409451-021
File ID: J:\MS06\DATA\012105\1021F009.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	84	20-130	01/21/05	Acceptable
Phenol-d6	92	20-130	01/21/05	Acceptable
Nitrobenzene-d5	79	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	85	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	87	20-130	01/21/05	Acceptable
Terphenyl-d14	90	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-C-SS-WB-comp-1
 Lab Code: K2409451-022
 File ID: J:\MS06\DATA\012105\1021F010.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.05 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5700	U	5700	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	87	
108-95-2	Phenol	710	U	710	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	570	U	570	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-C-SS-WB-comp-1
Lab Code: K2409451-022
File ID: J:\MS06\DATA\012105\1021F010.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.05 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	1500	U	1500	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5700	U	5700	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500	U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	130	JD	570	94	
100-01-6	4-Nitroaniline	2900	U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	1400	D	570	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500	U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-C-SS-WB-comp-1
Lab Code: K2409451-022
File ID: J:\MS06\DATA\012105\1021F010.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.05 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	80	20-130	01/21/05	Acceptable
Phenol-d6	91	20-130	01/21/05	Acceptable
Nitrobenzene-d5	75	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	84	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	88	20-130	01/21/05	Acceptable
Terphenyl-d14	95	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-C-SS-WB-comp-2
 Lab Code: K2409451-023
 File ID: J:\MS06\DATA\012105\1021F011.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5700	U	5700	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	570	U	570	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-C-SS-WB-comp-2
Lab Code: K2409451-023
File ID: J:\MS06\DATA\012105\1021F011.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	1500	U	1500	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5700	U	5700	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500	U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	110	JD	570	94	
100-01-6	4-Nitroaniline	2900	U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	540	JD	570	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500	U	1500	130	

* See Case Narrative

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-C-SS-WB-comp-2
Lab Code: K2409451-023
File ID: J:\MS06\DATA\012105\1021F011.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	80	20-130	01/21/05	Acceptable
Phenol-d6	86	20-130	01/21/05	Acceptable
Nitrobenzene-d5	79	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	80	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	81	20-130	01/21/05	Acceptable
Terphenyl-d14	90	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-D-SS-WB-comp-1
 Lab Code: K2409451-024
 File ID: J:\MS06\DATA\012105\1021F012.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.05 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5700	U	5700	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	87	
108-95-2	Phenol	710	U	710	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	570	U	570	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-D-SS-WB-comp-1
Lab Code: K2409451-024
File ID: J:\MS06\DATA\012105\1021F012.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.05 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	1500	U	1500	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5700	U	5700	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500	U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	150	JD	570	94	
100-01-6	4-Nitroaniline	2900	U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	570	U	570	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500	U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-D-SS-WB-comp-1
Lab Code: K2409451-024
File ID: J:\MS06\DATA\012105\1021F012.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.05 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	81	20-130	01/21/05	Acceptable
Phenol-d6	91	20-130	01/21/05	Acceptable
Nitrobenzene-d5	80	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	83	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	82	20-130	01/21/05	Acceptable
Terphenyl-d14	95	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-FL-comp-2
 Lab Code: K2409451-025
 File ID: J:\MS06\DATA\012105\1021F013.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.08 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5700	U	5700	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	87	
108-95-2	Phenol	710	U	710	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	570	U	570	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-FL-comp-2
 Lab Code: K2409451-025
 File ID: J:\MS06\DATA\012105\1021F013.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.08 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290 U	290	59	
88-74-4	2-Nitroaniline	1500 U	1500	260	
131-11-3	Dimethyl Phthalate	290 U	290	51	
606-20-2	2,6-Dinitrotoluene	1500 U	1500	70	
99-09-2	3-Nitroaniline	2900 U	2900	89	
51-28-5	2,4-Dinitrophenol	5700 U	5700	230	
100-02-7	4-Nitrophenol	2900 U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500 U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290 U	290	45	
84-66-2	Diethyl Phthalate	150 JD	570	94	
100-01-6	4-Nitroaniline	2900 U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900 U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290 U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290 U	290	55	
118-74-1	Hexachlorobenzene	290 U	290	59	
87-86-5	Pentachlorophenol	2900 U	2900	310	
86-74-8	Carbazole	1500 U	1500	330	
84-74-2	Di-n-butyl Phthalate	160 BJD	290	160	
92-87-5	Benzidine	50000 U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	570 U	570	140	
91-94-1	3,3'-Dichlorobenzidine	15000 U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600 U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500 U	1500	130	

* See Case Narrative

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-FL-comp-2
Lab Code: K2409451-025
File ID: J:\MS06\DATA\012105\1021F013.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.08 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	20-130	01/21/05	Acceptable
Phenol-d6	88	20-130	01/21/05	Acceptable
Nitrobenzene-d5	74	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	85	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	86	20-130	01/21/05	Acceptable
Terphenyl-d14	97	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-1
 Lab Code: K2409451-026
 File ID: J:\MS06\DATA\012105\1021F015.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5800 U	5800	100	
62-53-3	Aniline	5800 U	5800	2300	
111-44-4	Bis(2-chloroethyl) Ether	580 U	580	87	
108-95-2	Phenol	720 U	720	170	
95-57-8	2-Chlorophenol	580 U	580	110	
541-73-1	1,3-Dichlorobenzene	290 U	290	110	
106-46-7	1,4-Dichlorobenzene	290 U	290	110	
95-50-1	1,2-Dichlorobenzene	290 U	290	120	
100-51-6	Benzyl Alcohol	110 JD	580	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290 U	290	110	
95-48-7	2-Methylphenol	580 U	580	530	
67-72-1	Hexachloroethane	290 U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290 U	290	82	
106-44-5	4-Methylphenol†	580 U	580	150	
98-95-3	Nitrobenzene	290 U	290	100	
78-59-1	Isophorone	290 U	290	58	
88-75-5	2-Nitrophenol	1500 U	1500	150	
105-67-9	2,4-Dimethylphenol	580 U	580	130	
111-91-1	Bis(2-chloroethoxy)methane	1500 U	1500	50	
120-83-2	2,4-Dichlorophenol	580 U	580	120	
65-85-0	Benzoic Acid	5800 U	5800	1900	
120-82-1	1,2,4-Trichlorobenzene	290 U	290	99	
106-47-8	4-Chloroaniline	1500 U	1500	59	
87-68-3	Hexachlorobutadiene	290 U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500 U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000 U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500 U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500 U	1500	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-1
Lab Code: K2409451-026
File ID: J:\MS06\DATA\012105\1021F015.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290 U	290	59	
88-74-4	2-Nitroaniline	1500 U	1500	260	
131-11-3	Dimethyl Phthalate	290 U	290	51	
606-20-2	2,6-Dinitrotoluene	1500 U	1500	70	
99-09-2	3-Nitroaniline	2900 U	2900	89	
51-28-5	2,4-Dinitrophenol	5800 U	5800	230	
100-02-7	4-Nitrophenol	2900 U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500 U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290 U	290	45	
84-66-2	Diethyl Phthalate	100 JD	580	94	
100-01-6	4-Nitroaniline	2900 U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900 U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290 U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290 U	290	55	
118-74-1	Hexachlorobenzene	290 U	290	59	
87-86-5	Pentachlorophenol	2900 U	2900	310	
86-74-8	Carbazole	1500 U	1500	330	
84-74-2	Di-n-butyl Phthalate	290 U	290	160	
92-87-5	Benzidine	50000 U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	650 D	580	140	
91-94-1	3,3'-Dichlorobenzidine	15000 U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	1100 JD	3600	530	
117-84-0	Di-n-octyl Phthalate	1500 U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-1
Lab Code: K2409451-026
File ID: J:\MS06\DATA\012105\1021F015.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	88	20-130	01/21/05	Acceptable
Phenol-d6	93	20-130	01/21/05	Acceptable
Nitrobenzene-d5	82	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	87	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	92	20-130	01/21/05	Acceptable
Terphenyl-d14	96	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-2
Lab Code: K2409451-027
File ID: J:\MS06\DATA\012105\1021F016.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5800	U	5800	100	
62-53-3	Aniline	5800	U	5800	2300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	580	U	580	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	86	JD	580	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	580	U	580	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	580	U	580	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	580	U	580	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	580	U	580	120	
65-85-0	Benzoic Acid	5800	U	5800	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/05/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-2
 Lab Code: K2409451-027
 File ID: J:\MS06\DATA\012105\1021F016.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290 U	290	59	
88-74-4	2-Nitroaniline	1500 U	1500	260	
131-11-3	Dimethyl Phthalate	290 U	290	51	
606-20-2	2,6-Dinitrotoluene	1500 U	1500	70	
99-09-2	3-Nitroaniline	2900 U	2900	89	
51-28-5	2,4-Dinitrophenol	5800 U	5800	230	
100-02-7	4-Nitrophenol	2900 U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500 U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290 U	290	45	
84-66-2	Diethyl Phthalate	110 JD	580	94	
100-01-6	4-Nitroaniline	2900 U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900 U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290 U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290 U	290	55	
118-74-1	Hexachlorobenzene	290 U	290	59	
87-86-5	Pentachlorophenol	2900 U	2900	310	
86-74-8	Carbazole	1500 U	1500	330	
84-74-2	Di-n-butyl Phthalate	290 U	290	160	
92-87-5	Benzidine	50000 U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	580 U	580	140	
91-94-1	3,3'-Dichlorobenzidine	15000 U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	1100 JD	3600	530	
117-84-0	Di-n-octyl Phthalate	1500 U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-2
Lab Code: K2409451-027
File ID: J:\MS06\DATA\012105\1021F016.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	81	20-130	01/21/05	Acceptable
Phenol-d6	92	20-130	01/21/05	Acceptable
Nitrobenzene-d5	76	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	85	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	88	20-130	01/21/05	Acceptable
Terphenyl-d14	92	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-3
 Lab Code: K2409451-028
 File ID: J:\MS06\DATA\012105\1021F017.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5800	U	5800	100	
62-53-3	Aniline	5800	U	5800	2300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	580	U	580	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	110	JD	580	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	580	U	580	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	580	U	580	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	580	U	580	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	580	U	580	120	
65-85-0	Benzoic Acid	5800	U	5800	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-3
 Lab Code: K2409451-028
 File ID: J:\MS06\DATA\012105\1021F017.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4169

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290 U	290	59	
88-74-4	2-Nitroaniline	1500 U	1500	260	
131-11-3	Dimethyl Phthalate	290 U	290	51	
606-20-2	2,6-Dinitrotoluene	1500 U	1500	70	
99-09-2	3-Nitroaniline	2900 U	2900	89	
51-28-5	2,4-Dinitrophenol	5800 U	5800	230	
100-02-7	4-Nitrophenol	2900 U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500 U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290 U	290	45	
84-66-2	Diethyl Phthalate	110 JD	580	94	
100-01-6	4-Nitroaniline	2900 U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900 U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290 U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290 U	290	55	
118-74-1	Hexachlorobenzene	290 U	290	59	
87-86-5	Pentachlorophenol	2900 U	2900	310	
86-74-8	Carbazole	1500 U	1500	330	
84-74-2	Di-n-butyl Phthalate	290 U	290	160	
92-87-5	Benzidine	50000 U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	610 D	580	140	
91-94-1	3,3'-Dichlorobenzidine	15000 U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600 U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500 U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-3
Lab Code: K2409451-028
File ID: J:\MS06\DATA\012105\1021F017.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	83	20-130	01/21/05	Acceptable
Phenol-d6	90	20-130	01/21/05	Acceptable
Nitrobenzene-d5	78	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	85	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	93	20-130	01/21/05	Acceptable
Terphenyl-d14	97	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-4
Lab Code: K2409451-029
File ID: J:\MS17\DATA\012105\0121F007.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	1500	U	1500	100	
62-53-3	Aniline	5800	U	5800	2300	
111-44-4	Bis(2-chloroethyl) Ether	290	U	290	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	580	U	580	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	610	D	290	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	580	U	580	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	580	U	580	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	290	U	290	150	
105-67-9	2,4-Dimethylphenol	580	U	580	130	
111-91-1	Bis(2-chloroethoxy)methane	290	U	290	50	
120-83-2	2,4-Dichlorophenol	580	U	580	120	
65-85-0	Benzoic Acid	2000	JD	5800	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	580	U	580	88	
95-95-4	2,4,5-Trichlorophenol	580	U	580	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-4
 Lab Code: K2409451-029
 File ID: J:\MS17\DATA\012105\0121F007.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4171

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290 U	290	59	
88-74-4	2-Nitroaniline	1500 U	1500	260	
131-11-3	Dimethyl Phthalate	290 U	290	51	
606-20-2	2,6-Dinitrotoluene	290 U	290	70	
99-09-2	3-Nitroaniline	2900 U	2900	89	
51-28-5	2,4-Dinitrophenol	5800 U	5800	230	
100-02-7	4-Nitrophenol	2900 U	2900	75	
121-14-2	2,4-Dinitrotoluene	580 U	580	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290 U	290	45	
84-66-2	Diethyl Phthalate	580 U	580	94	
100-01-6	4-Nitroaniline	1500 U	1500	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900 U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290 U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290 U	290	55	
118-74-1	Hexachlorobenzene	290 U	290	59	
87-86-5	Pentachlorophenol	1600 JD	2900	310	
86-74-8	Carbazole	1500 U	1500	330	
84-74-2	Di-n-butyl Phthalate	290 U	290	160	
92-87-5	Benzidine	50000 U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	290 U	290	140	
91-94-1	3,3'-Dichlorobenzidine	15000 U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600 U	3600	530	
117-84-0	Di-n-octyl Phthalate	290 U	290	130	

* See Case Narrative

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-4
Lab Code: K2409451-029
File ID: J:\MS17\DATA\012105\0121F007.D
Instrument ID: MS17
Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	20-130	01/21/05	Acceptable
Phenol-d6	84	20-130	01/21/05	Acceptable
Nitrobenzene-d5	71	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	97	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	81	20-130	01/21/05	Acceptable
Terphenyl-d14	95	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-5
Lab Code: K2409451-030
File ID: J:\MS17\DATA\012105\0121F008.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	1500	U	1500	100	
62-53-3	Aniline	5800	U	5800	2300	
111-44-4	Bis(2-chloroethyl) Ether	290	U	290	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	580	U	580	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	130	JD	290	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	580	U	580	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	580	U	580	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	290	U	290	150	
105-67-9	2,4-Dimethylphenol	580	U	580	130	
111-91-1	Bis(2-chloroethoxy)methane	290	U	290	50	
120-83-2	2,4-Dichlorophenol	580	U	580	120	
65-85-0	Benzoic Acid	5800	U	5800	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	580	U	580	88	
95-95-4	2,4,5-Trichlorophenol	580	U	580	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-5
 Lab Code: K2409451-030
 File ID: J:\MS17\DATA\012105\0121F008.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4171

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	290	U	290	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5800	U	5800	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	580	U	580	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	580	U	580	94	
100-01-6	4-Nitroaniline	1500	U	1500	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	290	U	290	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	290	U	290	130	

* See Case Narrative

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-5
Lab Code: K2409451-030
File ID: J:\MS17\DATA\012105\0121F008.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	57	20-130	01/21/05	Acceptable
Phenol-d6	68	20-130	01/21/05	Acceptable
Nitrobenzene-d5	59	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	71	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	68	20-130	01/21/05	Acceptable
Terphenyl-d14	77	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-6
Lab Code: K2409451-031
File ID: J:\MS06\DATA\012205\1022F013.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5700	U	5700	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	180	JD	570	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-6
Lab Code: K2409451-031
File ID: J:\MS06\DATA\012205\1022F013.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	1500	U	1500	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5700	U	5700	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500	U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	100	JD	570	94	
100-01-6	4-Nitroaniline	2900	U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	560	JD	570	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	1500	U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-WB-comp-6
Lab Code: K2409451-031
File ID: J:\MS06\DATA\012205\1022F013.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	56	20-130	01/22/05	Acceptable
Phenol-d6	60	20-130	01/22/05	Acceptable
Nitrobenzene-d5	56	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	59	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	56	20-130	01/22/05	Acceptable
Terphenyl-d14	71	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-1
 Lab Code: K2409451-032
 File ID: J:\MS17\DATA\012105\0121F010.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4171

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	1500 U	1500	100	
62-53-3	Aniline	5700 U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	290 U	290	87	
108-95-2	Phenol	720 U	720	170	
95-57-8	2-Chlorophenol	570 U	570	110	
541-73-1	1,3-Dichlorobenzene	290 U	290	110	
106-46-7	1,4-Dichlorobenzene	290 U	290	110	
95-50-1	1,2-Dichlorobenzene	290 U	290	120	
100-51-6	Benzyl Alcohol	95 JD	290	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290 U	290	110	
95-48-7	2-Methylphenol	570 U	570	530	
67-72-1	Hexachloroethane	290 U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290 U	290	82	
106-44-5	4-Methylphenol†	570 U	570	150	
98-95-3	Nitrobenzene	290 U	290	100	
78-59-1	Isophorone	290 U	290	58	
88-75-5	2-Nitrophenol	290 U	290	150	
105-67-9	2,4-Dimethylphenol	570 U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	290 U	290	50	
120-83-2	2,4-Dichlorophenol	570 U	570	120	
65-85-0	Benzoic Acid	1900 JD	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290 U	290	99	
106-47-8	4-Chloroaniline	1500 U	1500	59	
87-68-3	Hexachlorobutadiene	290 U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500 U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000 U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	570 U	570	88	
95-95-4	2,4,5-Trichlorophenol	570 U	570	110	

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-1
 Lab Code: K2409451-032
 File ID: J:\MS17\DATA\012105\0121F010.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4171

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	290	U	290	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5700	U	5700	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	570	U	570	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	570	U	570	94	
100-01-6	4-Nitroaniline	1500	U	1500	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	290	U	290	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	290	U	290	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-1
Lab Code: K2409451-032
File ID: J:\MS17\DATA\012105\0121F010.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	62	20-130	01/21/05	Acceptable
Phenol-d6	72	20-130	01/21/05	Acceptable
Nitrobenzene-d5	60	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	70	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	76	20-130	01/21/05	Acceptable
Terphenyl-d14	79	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-2
Lab Code: K2409451-033
File ID: J:\MS17\DATA\012105\0121F011.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	1500	U	1500	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	290	U	290	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	79	JD	290	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	290	U	290	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	290	U	290	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	570	U	570	88	
95-95-4	2,4,5-Trichlorophenol	570	U	570	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-2
 Lab Code: K2409451-033
 File ID: J:\MS17\DATA\012105\0121F011.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4171

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290 U	290	59	
88-74-4	2-Nitroaniline	1500 U	1500	260	
131-11-3	Dimethyl Phthalate	290 U	290	51	
606-20-2	2,6-Dinitrotoluene	290 U	290	70	
99-09-2	3-Nitroaniline	2900 U	2900	89	
51-28-5	2,4-Dinitrophenol	5700 U	5700	230	
100-02-7	4-Nitrophenol	2900 U	2900	75	
121-14-2	2,4-Dinitrotoluene	570 U	570	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290 U	290	45	
84-66-2	Diethyl Phthalate	570 U	570	94	
100-01-6	4-Nitroaniline	1500 U	1500	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900 U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290 U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290 U	290	55	
118-74-1	Hexachlorobenzene	290 U	290	59	
87-86-5	Pentachlorophenol	2900 U	2900	310	
86-74-8	Carbazole	1500 U	1500	330	
84-74-2	Di-n-butyl Phthalate	290 U	290	160	
92-87-5	Benzidine	50000 U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	290 U	290	140	
91-94-1	3,3'-Dichlorobenzidine	15000 U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600 U	3600	530	
117-84-0	Di-n-octyl Phthalate	290 U	290	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-2
Lab Code: K2409451-033
File ID: J:\MS17\DATA\012105\0121F011.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	26	20-130	01/21/05	Acceptable
Phenol-d6	31	20-130	01/21/05	Acceptable
Nitrobenzene-d5	29	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	31	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	32	20-130	01/21/05	Acceptable
Terphenyl-d14	34	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-3
Lab Code: K2409451-034
File ID: J:\MS17\DATA\012105\0121F012.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.05 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	1500	U	1500	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	290	U	290	87	
108-95-2	Phenol	710	U	710	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	120	JD	290	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	290	U	290	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	290	U	290	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	570	U	570	88	
95-95-4	2,4,5-Trichlorophenol	570	U	570	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-3
 Lab Code: K2409451-034
 File ID: J:\MS17\DATA\012105\0121F012.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4171

Sample Amount: 7.05 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	290	U	290	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5700	U	5700	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	570	U	570	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	570	U	570	94	
100-01-6	4-Nitroaniline	1500	U	1500	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	290	U	290	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	290	U	290	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-3
Lab Code: K2409451-034
File ID: J:\MS17\DATA\012105\0121F012.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.05 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	61	20-130	01/21/05	Acceptable
Phenol-d6	70	20-130	01/21/05	Acceptable
Nitrobenzene-d5	63	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	68	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	74	20-130	01/21/05	Acceptable
Terphenyl-d14	73	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-WB-comp-2
 Lab Code: K2409451-035
 File ID: J:\MS17\DATA\012105\0121F013.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4171

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	1500	U	1500	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	290	U	290	87	
108-95-2	Phenol	720	U	720	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	190	JD	290	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	290	U	290	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	290	U	290	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	1900	JD	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	570	U	570	88	
95-95-4	2,4,5-Trichlorophenol	570	U	570	110	

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-WB-comp-2
Lab Code: K2409451-035
File ID: J:\MS17\DATA\012105\0121F013.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290	U	290	59	
88-74-4	2-Nitroaniline	1500	U	1500	260	
131-11-3	Dimethyl Phthalate	290	U	290	51	
606-20-2	2,6-Dinitrotoluene	290	U	290	70	
99-09-2	3-Nitroaniline	2900	U	2900	89	
51-28-5	2,4-Dinitrophenol	5700	U	5700	230	
100-02-7	4-Nitrophenol	2900	U	2900	75	
121-14-2	2,4-Dinitrotoluene	570	U	570	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290	U	290	45	
84-66-2	Diethyl Phthalate	570	U	570	94	
100-01-6	4-Nitroaniline	1500	U	1500	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900	U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290	U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290	U	290	55	
118-74-1	Hexachlorobenzene	290	U	290	59	
87-86-5	Pentachlorophenol	2900	U	2900	310	
86-74-8	Carbazole	1500	U	1500	330	
84-74-2	Di-n-butyl Phthalate	290	U	290	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	290	U	290	140	
91-94-1	3,3'-Dichlorobenzidine	15000	U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	3600	U	3600	530	
117-84-0	Di-n-octyl Phthalate	290	U	290	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-WB-comp-2
Lab Code: K2409451-035
File ID: J:\MS17\DATA\012105\0121F013.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4171

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	53	20-130	01/21/05	Acceptable
Phenol-d6	67	20-130	01/21/05	Acceptable
Nitrobenzene-d5	55	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	61	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	71	20-130	01/21/05	Acceptable
Terphenyl-d14	69	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-1
Lab Code: K2409451-036
File ID: J:\MS06\DATA\012205\1022F016.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	1200	U	1200	15	
62-53-3	Aniline	1200	U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	120	U	120	13	
108-95-2	Phenol	43	J	150	25	
95-57-8	2-Chlorophenol	120	U	120	16	
541-73-1	1,3-Dichlorobenzene	58	U	58	16	
106-46-7	1,4-Dichlorobenzene	58	U	58	16	
95-50-1	1,2-Dichlorobenzene	58	U	58	18	
100-51-6	Benzyl Alcohol	12	J	120	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	58	U	58	16	
95-48-7	2-Methylphenol	120	U	120	76	
67-72-1	Hexachloroethane	58	U	58	13	
621-64-7	N-Nitrosodi-n-propylamine	58	U	58	12	
106-44-5	4-Methylphenol†	120	U	120	22	
98-95-3	Nitrobenzene	58	U	58	15	
78-59-1	Isophorone	58	U	58	8.3	
88-75-5	2-Nitrophenol	290	U	290	22	
105-67-9	2,4-Dimethylphenol	120	U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	290	U	290	7.2	
120-83-2	2,4-Dichlorophenol	120	U	120	18	
65-85-0	Benzoic Acid	1200	U	1200	280	
120-82-1	1,2,4-Trichlorobenzene	58	U	58	15	
106-47-8	4-Chloroaniline	290	U	290	8.5	
87-68-3	Hexachlorobutadiene	58	U	58	13	
59-50-7	4-Chloro-3-methylphenol	290	U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200	U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	290	U	290	13	
95-95-4	2,4,5-Trichlorophenol	290	U	290	16	

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-1
Lab Code: K2409451-036
File ID: J:\MS06\DATA\012205\1022F016.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	58	U	58	8.5	
88-74-4	2-Nitroaniline	290	U	290	38	
131-11-3	Dimethyl Phthalate	7.6	J	58	7.3	
606-20-2	2,6-Dinitrotoluene	290	U	290	10	
99-09-2	3-Nitroaniline	580	U	580	13	
51-28-5	2,4-Dinitrophenol	1200	U	1200	33	
100-02-7	4-Nitrophenol	580	U	580	11	
121-14-2	2,4-Dinitrotoluene	290	U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	58	U	58	6.5	
84-66-2	Diethyl Phthalate	120	U	120	14	
100-01-6	4-Nitroaniline	580	U	580	38	
534-52-1	2-Methyl-4,6-dinitrophenol	580	U	580	22	
86-30-6	N-Nitrosodiphenylamine	58	U	58	14	
101-55-3	4-Bromophenyl Phenyl Ether	58	U	58	7.9	
118-74-1	Hexachlorobenzene	58	U	58	8.5	
87-86-5	Pentachlorophenol	580	U	580	45	
86-74-8	Carbazole	290	U	290	48	
84-74-2	Di-n-butyl Phthalate	41	J	58	23	
92-87-5	Benzidine	7200	U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	120	U	120	20	
91-94-1	3,3'-Dichlorobenzidine	2900	U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	240	J	720	76	
117-84-0	Di-n-octyl Phthalate	290	U	290	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-1
Lab Code: K2409451-036
File ID: J:\MS06\DATA\012205\1022F016.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	78	20-130	01/22/05	Acceptable
Phenol-d6	86	20-130	01/22/05	Acceptable
Nitrobenzene-d5	79	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	81	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	79	20-130	01/22/05	Acceptable
Terphenyl-d14	88	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-1DL
Lab Code: K2409451-036
File ID: J:\MS17\DATA\012105\0121F014.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	580	U	580	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	130	
95-95-4	2,4,5-Trichlorophenol	1200	U	1200	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-1DL
 Lab Code: K2409451-036
 File ID: J:\MS17\DATA\012105\0121F014.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4171

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580 U	580	85	
88-74-4	2-Nitroaniline	2900 U	2900	380	
131-11-3	Dimethyl Phthalate	580 U	580	73	
606-20-2	2,6-Dinitrotoluene	580 U	580	100	
99-09-2	3-Nitroaniline	5800 U	5800	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5800 U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200 U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580 U	580	65	
84-66-2	Diethyl Phthalate	1200 U	1200	140	
100-01-6	4-Nitroaniline	2900 U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800 U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580 U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580 U	580	79	
118-74-1	Hexachlorobenzene	580 U	580	85	
87-86-5	Pentachlorophenol	5800 U	5800	450	
86-74-8	Carbazole	2900 U	2900	480	
84-74-2	Di-n-butyl Phthalate	580 U	580	230	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	580 U	580	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	
117-84-0	Di-n-octyl Phthalate	580 U	580	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-1DL
Lab Code: K2409451-036
File ID: J:\MS17\DATA\012105\0121F014.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	56	20-130	01/21/05	Acceptable
Phenol-d6	65	20-130	01/21/05	Acceptable
Nitrobenzene-d5	61	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	64	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	66	20-130	01/21/05	Acceptable
Terphenyl-d14	76	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-2
Lab Code: K2409451-037
File ID: J:\MS06\DATA\012205\1022F017.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	1200	U	1200	15	
62-53-3	Aniline	1200	U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	120	U	120	13	
108-95-2	Phenol	150	U	150	25	
95-57-8	2-Chlorophenol	120	U	120	16	
541-73-1	1,3-Dichlorobenzene	57	U	57	16	
106-46-7	1,4-Dichlorobenzene	57	U	57	16	
95-50-1	1,2-Dichlorobenzene	57	U	57	18	
100-51-6	Benzyl Alcohol	120	U	120	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	57	U	57	16	
95-48-7	2-Methylphenol	120	U	120	76	
67-72-1	Hexachloroethane	57	U	57	13	
621-64-7	N-Nitrosodi-n-propylamine	57	U	57	12	
106-44-5	4-Methylphenol†	120	U	120	22	
98-95-3	Nitrobenzene	57	U	57	15	
78-59-1	Isophorone	57	U	57	8.3	
88-75-5	2-Nitrophenol	290	U	290	22	
105-67-9	2,4-Dimethylphenol	120	U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	290	U	290	7.2	
120-83-2	2,4-Dichlorophenol	120	U	120	18	
65-85-0	Benzoic Acid	1200	U	1200	270	
120-82-1	1,2,4-Trichlorobenzene	57	U	57	15	
106-47-8	4-Chloroaniline	290	U	290	8.4	
87-68-3	Hexachlorobutadiene	57	U	57	13	
59-50-7	4-Chloro-3-methylphenol	290	U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200	U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	290	U	290	13	
95-95-4	2,4,5-Trichlorophenol	290	U	290	16	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-2
 Lab Code: K2409451-037
 File ID: J:\MS06\DATA\012205\1022F017.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4169

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	57 U	57	8.4	
88-74-4	2-Nitroaniline	290 U	290	37	
131-11-3	Dimethyl Phthalate	57 U	57	7.3	
606-20-2	2,6-Dinitrotoluene	290 U	290	10	
99-09-2	3-Nitroaniline	570 U	570	13	
51-28-5	2,4-Dinitrophenol	1200 U	1200	33	
100-02-7	4-Nitrophenol	570 U	570	11	
121-14-2	2,4-Dinitrotoluene	290 U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	57 U	57	6.4	
84-66-2	Diethyl Phthalate	120 U	120	14	
100-01-6	4-Nitroaniline	570 U	570	37	
534-52-1	2-Methyl-4,6-dinitrophenol	570 U	570	22	
86-30-6	N-Nitrosodiphenylamine	57 U	57	14	
101-55-3	4-Bromophenyl Phenyl Ether	57 U	57	7.9	
118-74-1	Hexachlorobenzene	57 U	57	8.4	
87-86-5	Pentachlorophenol	570 U	570	45	
86-74-8	Carbazole	290 U	290	47	
84-74-2	Di-n-butyl Phthalate	34 J	57	23	
92-87-5	Benzidine	7200 U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	120 U	120	20	
91-94-1	3,3'-Dichlorobenzidine	2900 U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	240 J	720	76	
117-84-0	Di-n-octyl Phthalate	290 U	290	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-2
Lab Code: K2409451-037
File ID: J:\MS06\DATA\012205\1022F017.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	84	20-130	01/22/05	Acceptable
Phenol-d6	93	20-130	01/22/05	Acceptable
Nitrobenzene-d5	80	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	86	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	78	20-130	01/22/05	Acceptable
Terphenyl-d14	98	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-3
 Lab Code: K2409451-038
 File ID: J:\MS06\DATA\012205\1022F018.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4169

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	1200	U	1200	15	
62-53-3	Aniline	1200	U	1200	330	
111-44-4	Bis(2-chloroethyl) Ether	120	U	120	13	
108-95-2	Phenol	150	U	150	25	
95-57-8	2-Chlorophenol	120	U	120	16	
541-73-1	1,3-Dichlorobenzene	58	U	58	16	
106-46-7	1,4-Dichlorobenzene	58	U	58	16	
95-50-1	1,2-Dichlorobenzene	58	U	58	18	
100-51-6	Benzyl Alcohol	120	U	120	9.6	
39638-32-9	Bis(2-chloroisopropyl) Ether	58	U	58	16	
95-48-7	2-Methylphenol	120	U	120	76	
67-72-1	Hexachloroethane	58	U	58	13	
621-64-7	N-Nitrosodi-n-propylamine	58	U	58	12	
106-44-5	4-Methylphenol†	120	U	120	22	
98-95-3	Nitrobenzene	58	U	58	15	
78-59-1	Isophorone	58	U	58	8.3	
88-75-5	2-Nitrophenol	290	U	290	22	
105-67-9	2,4-Dimethylphenol	120	U	120	19	
111-91-1	Bis(2-chloroethoxy)methane	290	U	290	7.2	
120-83-2	2,4-Dichlorophenol	120	U	120	18	
65-85-0	Benzoic Acid	1200	U	1200	280	
120-82-1	1,2,4-Trichlorobenzene	58	U	58	15	
106-47-8	4-Chloroaniline	290	U	290	8.5	
87-68-3	Hexachlorobutadiene	58	U	58	13	
59-50-7	4-Chloro-3-methylphenol	290	U	290	110	
77-47-4	Hexachlorocyclopentadiene	7200	U	7200	7200	
88-06-2	2,4,6-Trichlorophenol	290	U	290	13	
95-95-4	2,4,5-Trichlorophenol	290	U	290	16	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-3
 Lab Code: K2409451-038
 File ID: J:\MS06\DATA\012205\1022F018.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4169

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	58	U	58	8.5	
88-74-4	2-Nitroaniline	290	U	290	38	
131-11-3	Dimethyl Phthalate	58	U	58	7.3	
606-20-2	2,6-Dinitrotoluene	290	U	290	10	
99-09-2	3-Nitroaniline	580	U	580	13	
51-28-5	2,4-Dinitrophenol	1200	U	1200	33	
100-02-7	4-Nitrophenol	580	U	580	11	
121-14-2	2,4-Dinitrotoluene	290	U	290	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	58	U	58	6.5	
84-66-2	Diethyl Phthalate	21	J	120	14	
100-01-6	4-Nitroaniline	580	U	580	38	
534-52-1	2-Methyl-4,6-dinitrophenol	580	U	580	22	
86-30-6	N-Nitrosodiphenylamine	58	U	58	14	
101-55-3	4-Bromophenyl Phenyl Ether	58	U	58	7.9	
118-74-1	Hexachlorobenzene	58	U	58	8.5	
87-86-5	Pentachlorophenol	580	U	580	45	
86-74-8	Carbazole	290	U	290	48	
84-74-2	Di-n-butyl Phthalate	31	J	58	23	
92-87-5	Benzidine	7200	U	7200	7200	*
85-68-7	Butyl Benzyl Phthalate	120	U	120	20	
91-94-1	3,3'-Dichlorobenzidine	2900	U	2900	1200	
117-81-7	Bis(2-ethylhexyl) Phthalate	260	J	720	76	
117-84-0	Di-n-octyl Phthalate	290	U	290	19	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-EM-comp-3
Lab Code: K2409451-038
File ID: J:\MS06\DATA\012205\1022F018.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	84	20-130	01/22/05	Acceptable
Phenol-d6	91	20-130	01/22/05	Acceptable
Nitrobenzene-d5	81	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	85	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	82	20-130	01/22/05	Acceptable
Terphenyl-d14	96	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-HP-comp-1
Lab Code: K2409451-039
File ID: J:\MS17\DATA\012105\0121F017.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	570	U	570	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	130	
95-95-4	2,4,5-Trichlorophenol	1200	U	1200	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-HP-comp-1
 Lab Code: K2409451-039
 File ID: J:\MS17\DATA\012105\0121F017.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4171

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	570	U	570	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	570	U	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	570	U	570	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	570	U	570	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-SC-HP-comp-1
Lab Code: K2409451-039
File ID: J:\MS17\DATA\012105\0121F017.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	65	20-130	01/21/05	Acceptable
Phenol-d6	75	20-130	01/21/05	Acceptable
Nitrobenzene-d5	65	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	74	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	78	20-130	01/21/05	Acceptable
Terphenyl-d14	84	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-1
 Lab Code: K2409451-040
 File ID: J:\MS17\DATA\012105\0121F018.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4171

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900 U	2900	150	
62-53-3	Aniline	12000 U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580 U	580	130	
108-95-2	Phenol	1500 U	1500	250	
95-57-8	2-Chlorophenol	1200 U	1200	160	
541-73-1	1,3-Dichlorobenzene	580 U	580	160	
106-46-7	1,4-Dichlorobenzene	580 U	580	160	
95-50-1	1,2-Dichlorobenzene	580 U	580	180	
100-51-6	Benzyl Alcohol	580 U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580 U	580	160	
95-48-7	2-Methylphenol	1200 U	1200	760	
67-72-1	Hexachloroethane	580 U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580 U	580	120	
106-44-5	4-Methylphenol†	1200 U	1200	220	
98-95-3	Nitrobenzene	580 U	580	150	
78-59-1	Isophorone	580 U	580	83	
88-75-5	2-Nitrophenol	580 U	580	220	
105-67-9	2,4-Dimethylphenol	1200 U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580 U	580	72	
120-83-2	2,4-Dichlorophenol	1200 U	1200	180	
65-85-0	Benzoic Acid	12000 U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580 U	580	150	
106-47-8	4-Chloroaniline	2900 U	2900	85	
87-68-3	Hexachlorobutadiene	580 U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900 U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000 U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	1200 U	1200	130	
95-95-4	2,4,5-Trichlorophenol	1200 U	1200	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-1
 Lab Code: K2409451-040
 File ID: J:\MS17\DATA\012105\0121F018.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4171

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580 U	580	85	
88-74-4	2-Nitroaniline	2900 U	2900	380	
131-11-3	Dimethyl Phthalate	580 U	580	73	
606-20-2	2,6-Dinitrotoluene	580 U	580	100	
99-09-2	3-Nitroaniline	5800 U	5800	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5800 U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200 U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580 U	580	65	
84-66-2	Diethyl Phthalate	1200 U	1200	140	
100-01-6	4-Nitroaniline	2900 U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800 U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580 U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580 U	580	79	
118-74-1	Hexachlorobenzene	580 U	580	85	
87-86-5	Pentachlorophenol	5800 U	5800	450	
86-74-8	Carbazole	2900 U	2900	480	
84-74-2	Di-n-butyl Phthalate	580 U	580	230	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	580 U	580	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	
117-84-0	Di-n-octyl Phthalate	580 U	580	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-1
Lab Code: K2409451-040
File ID: J:\MS17\DATA\012105\0121F018.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	55	20-130	01/21/05	Acceptable
Phenol-d6	60	20-130	01/21/05	Acceptable
Nitrobenzene-d5	56	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	61	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	67	20-130	01/21/05	Acceptable
Terphenyl-d14	77	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-2
Lab Code: K2409451-041
File ID: J:\MS17\DATA\012105\0121F019.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	570	U	570	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	130	
95-95-4	2,4,5-Trichlorophenol	1200	U	1200	160	

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-2
Lab Code: K2409451-041
File ID: J:\MS17\DATA\012105\0121F019.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	570	U	570	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	570	U	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	570	U	570	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	570	U	570	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-2
Lab Code: K2409451-041
File ID: J:\MS17\DATA\012105\0121F019.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	60	20-130	01/21/05	Acceptable
Phenol-d6	64	20-130	01/21/05	Acceptable
Nitrobenzene-d5	60	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	66	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	62	20-130	01/21/05	Acceptable
Terphenyl-d14	79	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-3
Lab Code: K2409451-042
File ID: J:\MS17\DATA\012105\0121F020.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	570	U	570	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	130	
95-95-4	2,4,5-Trichlorophenol	1200	U	1200	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-3
 Lab Code: K2409451-042
 File ID: J:\MS17\DATA\012105\0121F020.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4171

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570 U	570	85	
88-74-4	2-Nitroaniline	2900 U	2900	380	
131-11-3	Dimethyl Phthalate	570 U	570	73	
606-20-2	2,6-Dinitrotoluene	570 U	570	100	
99-09-2	3-Nitroaniline	5700 U	5700	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5700 U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200 U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570 U	570	65	
84-66-2	Diethyl Phthalate	1200 U	1200	140	
100-01-6	4-Nitroaniline	2900 U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5700 U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570 U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570 U	570	79	
118-74-1	Hexachlorobenzene	570 U	570	85	
87-86-5	Pentachlorophenol	5700 U	5700	450	
86-74-8	Carbazole	2900 U	2900	480	
84-74-2	Di-n-butyl Phthalate	570 U	570	230	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	570 U	570	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	
117-84-0	Di-n-octyl Phthalate	570 U	570	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-3
Lab Code: K2409451-042
File ID: J:\MS17\DATA\012105\0121F020.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	56	20-130	01/21/05	Acceptable
Phenol-d6	57	20-130	01/21/05	Acceptable
Nitrobenzene-d5	52	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	46	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	44	20-130	01/21/05	Acceptable
Terphenyl-d14	67	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-HP-comp-1
Lab Code: K2409451-043
File ID: J:\MS06\DATA\012205\1022F014.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-HP-comp-1
 Lab Code: K2409451-043
 File ID: J:\MS06\DATA\012205\1022F014.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4169

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	2900	U	2900	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	190	JD	1200	140	
100-01-6	4-Nitroaniline	5800	U	5800	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	580	U	580	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1700	D	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-HP-comp-1
Lab Code: K2409451-043
File ID: J:\MS06\DATA\012205\1022F014.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	71	20-130	01/22/05	Acceptable
Phenol-d6	77	20-130	01/22/05	Acceptable
Nitrobenzene-d5	71	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	79	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	70	20-130	01/22/05	Acceptable
Terphenyl-d14	87	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-4
 Lab Code: K2409451-044
 File ID: J:\MS17\DATA\012505\0125F007.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4178

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-4
Lab Code: K2409451-044
File ID: J:\MS17\DATA\012505\0125F007.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	390	JD	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-4
Lab Code: K2409451-044
File ID: J:\MS17\DATA\012505\0125F007.D
Instrument ID: MS17
Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Lot: KWG0419913
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	71	20-130	01/25/05	Acceptable
Phenol-d6	79	20-130	01/25/05	Acceptable
Nitrobenzene-d5	71	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	80	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	75	20-130	01/25/05	Acceptable
Terphenyl-d14	98	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-5
Lab Code: K2409451-045
File ID: J:\MS06\DATA\012205\1022F004.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-5
Lab Code: K2409451-045
File ID: J:\MS06\DATA\012205\1022F004.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	2900	U	2900	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	5800	U	5800	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	580	U	580	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-5
Lab Code: K2409451-045
File ID: J:\MS06\DATA\012205\1022F004.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	52	20-130	01/22/05	Acceptable
Phenol-d6	58	20-130	01/22/05	Acceptable
Nitrobenzene-d5	51	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	55	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	44	20-130	01/22/05	Acceptable
Terphenyl-d14	80	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-6
 Lab Code: K2409451-046
 File ID: J:\MS06\DATA\012205\1022F005.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4169

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-6
Lab Code: K2409451-046
File ID: J:\MS06\DATA\012205\1022F005.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	2900	U	2900	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	170	JD	1200	140	
100-01-6	4-Nitroaniline	5700	U	5700	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	85	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	570	U	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-EM-comp-6
Lab Code: K2409451-046
File ID: J:\MS06\DATA\012205\1022F005.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	44	20-130	01/22/05	Acceptable
Phenol-d6	46	20-130	01/22/05	Acceptable
Nitrobenzene-d5	44	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	42	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	42	20-130	01/22/05	Acceptable
Terphenyl-d14	74	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-HP-comp-2
Lab Code: K2409451-047
File ID: J:\MS06\DATA\012205\1022F006.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-HP-comp-2
Lab Code: K2409451-047
File ID: J:\MS06\DATA\012205\1022F006.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580 U	580	85	
88-74-4	2-Nitroaniline	2900 U	2900	380	
131-11-3	Dimethyl Phthalate	76 JD	580	73	
606-20-2	2,6-Dinitrotoluene	2900 U	2900	100	
99-09-2	3-Nitroaniline	5800 U	5800	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5800 U	5800	110	
121-14-2	2,4-Dinitrotoluene	2900 U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580 U	580	65	
84-66-2	Diethyl Phthalate	200 JD	1200	140	
100-01-6	4-Nitroaniline	5800 U	5800	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800 U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580 U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580 U	580	79	
118-74-1	Hexachlorobenzene	580 U	580	85	
87-86-5	Pentachlorophenol	5800 U	5800	450	
86-74-8	Carbazole	2900 U	2900	480	
84-74-2	Di-n-butyl Phthalate	580 U	580	230	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1700 D	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900 U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-SC-HP-comp-2
Lab Code: K2409451-047
File ID: J:\MS06\DATA\012205\1022F006.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	60	20-130	01/22/05	Acceptable
Phenol-d6	62	20-130	01/22/05	Acceptable
Nitrobenzene-d5	58	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	62	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	56	20-130	01/22/05	Acceptable
Terphenyl-d14	75	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-EM-comp-1
Lab Code: K2409451-048
File ID: J:\MS06\DATA\012205\1022F007.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-EM-comp-1
Lab Code: K2409451-048
File ID: J:\MS06\DATA\012205\1022F007.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580 U	580	85	
88-74-4	2-Nitroaniline	2900 U	2900	380	
131-11-3	Dimethyl Phthalate	580 U	580	73	
606-20-2	2,6-Dinitrotoluene	2900 U	2900	100	
99-09-2	3-Nitroaniline	5800 U	5800	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5800 U	5800	110	
121-14-2	2,4-Dinitrotoluene	2900 U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580 U	580	65	
84-66-2	Diethyl Phthalate	160 JD	1200	140	
100-01-6	4-Nitroaniline	5800 U	5800	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800 U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580 U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580 U	580	79	
118-74-1	Hexachlorobenzene	580 U	580	85	
87-86-5	Pentachlorophenol	5800 U	5800	450	
86-74-8	Carbazole	2900 U	2900	480	
84-74-2	Di-n-butyl Phthalate	240 JD	580	230	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200 U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900 U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-EM-comp-1
Lab Code: K2409451-048
File ID: J:\MS06\DATA\012205\1022F007.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	58	20-130	01/22/05	Acceptable
Phenol-d6	63	20-130	01/22/05	Acceptable
Nitrobenzene-d5	55	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	56	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	49	20-130	01/22/05	Acceptable
Terphenyl-d14	89	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-EM-comp-2
Lab Code: K2409451-049
File ID: J:\MS06\DATA\012205\1022F008.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-EM-comp-2
Lab Code: K2409451-049
File ID: J:\MS06\DATA\012205\1022F008.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	2900	U	2900	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	150	JD	1200	140	
100-01-6	4-Nitroaniline	5800	U	5800	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	580	U	580	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-EM-comp-2
Lab Code: K2409451-049
File ID: J:\MS06\DATA\012205\1022F008.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	56	20-130	01/22/05	Acceptable
Phenol-d6	59	20-130	01/22/05	Acceptable
Nitrobenzene-d5	54	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	55	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	47	20-130	01/22/05	Acceptable
Terphenyl-d14	79	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-EM-comp-3
Lab Code: K2409451-050
File ID: J:\MS06\DATA\012205\1022F009.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-EM-comp-3
Lab Code: K2409451-050
File ID: J:\MS06\DATA\012205\1022F009.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	2900	U	2900	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	180	JD	1200	140	
100-01-6	4-Nitroaniline	5700	U	5700	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	570	U	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-EM-comp-3
Lab Code: K2409451-050
File ID: J:\MS06\DATA\012205\1022F009.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	51	20-130	01/22/05	Acceptable
Phenol-d6	55	20-130	01/22/05	Acceptable
Nitrobenzene-d5	50	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	57	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	44	20-130	01/22/05	Acceptable
Terphenyl-d14	78	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-HP-comp-1
Lab Code: K2409451-051
File ID: J:\MS06\DATA\012205\1022F010.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-HP-comp-1
Lab Code: K2409451-051
File ID: J:\MS06\DATA\012205\1022F010.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	2900	U	2900	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	160	JD	1200	140	
100-01-6	4-Nitroaniline	5700	U	5700	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	85	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	570	U	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1800	D	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-SC-HP-comp-1
Lab Code: K2409451-051
File ID: J:\MS06\DATA\012205\1022F010.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	58	20-130	01/22/05	Acceptable
Phenol-d6	65	20-130	01/22/05	Acceptable
Nitrobenzene-d5	59	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	66	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	63	20-130	01/22/05	Acceptable
Terphenyl-d14	76	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-DC-EM-comp-1
Lab Code: K2409451-052
File ID: J:\MS06\DATA\012205\1022F011.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-DC-EM-comp-1
Lab Code: K2409451-052
File ID: J:\MS06\DATA\012205\1022F011.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	2900	U	2900	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	64	
84-66-2	Diethyl Phthalate	210	JD	1200	140	
100-01-6	4-Nitroaniline	5700	U	5700	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	280	JD	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-DC-EM-comp-1
Lab Code: K2409451-052
File ID: J:\MS06\DATA\012205\1022F011.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	62	20-130	01/22/05	Acceptable
Phenol-d6	68	20-130	01/22/05	Acceptable
Nitrobenzene-d5	61	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	63	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	57	20-130	01/22/05	Acceptable
Terphenyl-d14	89	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-DC-HP-comp-1
Lab Code: K2409451-053
File ID: J:\MS06\DATA\012205\1022F015.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-DC-HP-comp-1
Lab Code: K2409451-053
File ID: J:\MS06\DATA\012205\1022F015.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	2900	U	2900	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	180	JD	1200	140	
100-01-6	4-Nitroaniline	5700	U	5700	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	85	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	570	U	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	2800	D	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-DC-HP-comp-1
Lab Code: K2409451-053
File ID: J:\MS06\DATA\012205\1022F015.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	59	20-130	01/22/05	Acceptable
Phenol-d6	62	20-130	01/22/05	Acceptable
Nitrobenzene-d5	57	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	58	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	61	20-130	01/22/05	Acceptable
Terphenyl-d14	68	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-C-SS-WB-comp-1DUP
Lab Code: KWG0419523-2
File ID: J:\MS17\DATA\011805\0118008.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	570	U	570	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	6700	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	130	
95-95-4	2,4,5-Trichlorophenol	1200	U	1200	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-C-SS-WB-comp-1DUP
Lab Code: KWG0419523-2
File ID: J:\MS17\DATA\011805\0118008.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570 U	570	85	
88-74-4	2-Nitroaniline	2900 U	2900	380	
131-11-3	Dimethyl Phthalate	570 U	570	73	
606-20-2	2,6-Dinitrotoluene	1200 U	1200	100	
99-09-2	3-Nitroaniline	5700 U	5700	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	*
100-02-7	4-Nitrophenol	5700 U	5700	110	
121-14-2	2,4-Dinitrotoluene	2900 U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570 U	570	65	
84-66-2	Diethyl Phthalate	1200 U	1200	140	
100-01-6	4-Nitroaniline	2900 U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5700 U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570 U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570 U	570	79	
118-74-1	Hexachlorobenzene	570 U	570	85	
87-86-5	Pentachlorophenol	5700 U	5700	450	
86-74-8	Carbazole	2900 U	2900	480	
84-74-2	Di-n-butyl Phthalate	1300 Ui	1300	1300	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200 U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	2100 JD	7200	760	
117-84-0	Di-n-octyl Phthalate	2900 U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/10/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-C-SS-WB-comp-1DUP
Lab Code: KWG0419523-2
File ID: J:\MS17\DATA\011805\0118008.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4162

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	69	20-130	01/18/05	Acceptable
Phenol-d6	74	20-130	01/18/05	Acceptable
Nitrobenzene-d5	69	20-130	01/18/05	Acceptable
2-Fluorobiphenyl	86	20-130	01/18/05	Acceptable
2,4,6-Tribromophenol	123	20-130	01/18/05	Acceptable
Terphenyl-d14	95	20-130	01/18/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-FL-comp-2DUP
Lab Code: KWG0419801-5
File ID: J:\MS06\DATA\012105\1021F014.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.07 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	5700	U	5700	100	
62-53-3	Aniline	5700	U	5700	2300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	87	
108-95-2	Phenol	710	U	710	170	
95-57-8	2-Chlorophenol	570	U	570	110	
541-73-1	1,3-Dichlorobenzene	290	U	290	110	
106-46-7	1,4-Dichlorobenzene	290	U	290	110	
95-50-1	1,2-Dichlorobenzene	290	U	290	120	
100-51-6	Benzyl Alcohol	570	U	570	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	290	U	290	110	
95-48-7	2-Methylphenol	570	U	570	530	
67-72-1	Hexachloroethane	290	U	290	85	
621-64-7	N-Nitrosodi-n-propylamine	290	U	290	82	
106-44-5	4-Methylphenol†	570	U	570	150	
98-95-3	Nitrobenzene	290	U	290	100	
78-59-1	Isophorone	290	U	290	58	
88-75-5	2-Nitrophenol	1500	U	1500	150	
105-67-9	2,4-Dimethylphenol	570	U	570	130	
111-91-1	Bis(2-chloroethoxy)methane	1500	U	1500	50	
120-83-2	2,4-Dichlorophenol	570	U	570	120	
65-85-0	Benzoic Acid	5700	U	5700	1900	
120-82-1	1,2,4-Trichlorobenzene	290	U	290	99	
106-47-8	4-Chloroaniline	1500	U	1500	59	
87-68-3	Hexachlorobutadiene	290	U	290	85	
59-50-7	4-Chloro-3-methylphenol	1500	U	1500	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	88	
95-95-4	2,4,5-Trichlorophenol	1500	U	1500	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-FL-comp-2DUP
Lab Code: KWG0419801-5
File ID: J:\MS06\DATA\012105\1021F014.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.07 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	290 U	290	59	
88-74-4	2-Nitroaniline	1500 U	1500	260	
131-11-3	Dimethyl Phthalate	290 U	290	51	
606-20-2	2,6-Dinitrotoluene	1500 U	1500	70	
99-09-2	3-Nitroaniline	2900 U	2900	89	
51-28-5	2,4-Dinitrophenol	5700 U	5700	230	
100-02-7	4-Nitrophenol	2900 U	2900	75	
121-14-2	2,4-Dinitrotoluene	1500 U	1500	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	290 U	290	45	
84-66-2	Diethyl Phthalate	99 JD	570	94	
100-01-6	4-Nitroaniline	2900 U	2900	260	
534-52-1	2-Methyl-4,6-dinitrophenol	2900 U	2900	150	
86-30-6	N-Nitrosodiphenylamine	290 U	290	95	
101-55-3	4-Bromophenyl Phenyl Ether	290 U	290	55	
118-74-1	Hexachlorobenzene	290 U	290	59	
87-86-5	Pentachlorophenol	2900 U	2900	310	
86-74-8	Carbazole	1500 U	1500	330	
84-74-2	Di-n-butyl Phthalate	290 U	290	160	
92-87-5	Benzidine	50000 U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	570 U	570	140	
91-94-1	3,3'-Dichlorobenzidine	15000 U	15000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	1100 JD	3600	530	
117-84-0	Di-n-octyl Phthalate	1500 U	1500	130	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-FL-comp-2DUP
Lab Code: KWG0419801-5
File ID: J:\MS06\DATA\012105\1021F014.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4169

Sample Amount: 7.07 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	79	20-130	01/21/05	Acceptable
Phenol-d6	94	20-130	01/21/05	Acceptable
Nitrobenzene-d5	75	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	88	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	95	20-130	01/21/05	Acceptable
Terphenyl-d14	104	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/16/2004
 Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-DC-EM-comp-1DU
 Lab Code: KWG0419913-4
 File ID: J:\MS06\DATA\012205\1022F012.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4169

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	12000	U	12000	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	1200	U	1200	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	1200	U	1200	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	2900	U	2900	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-DC-EM-comp-1DU
Lab Code: KWG0419913-4
File ID: J:\MS06\DATA\012205\1022F012.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	2900	U	2900	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	2900	U	2900	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	160	JD	1200	140	
100-01-6	4-Nitroaniline	5700	U	5700	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	85	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	240	JD	570	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-DC-EM-comp-1DU
Lab Code: KWG0419913-4
File ID: J:\MS06\DATA\012205\1022F012.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	44	20-130	01/22/05	Acceptable
Phenol-d6	49	20-130	01/22/05	Acceptable
Nitrobenzene-d5	41	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	45	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	35	20-130	01/22/05	Acceptable
Terphenyl-d14	65	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0419523-5
File ID: J:\MS06\DATA\011505\0115F003.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4147

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	400	U	400	10	
62-53-3	Aniline	800	U	800	230	
111-44-4	Bis(2-chloroethyl) Ether	40	U	40	8.7	
108-95-2	Phenol	100	U	100	17	
95-57-8	2-Chlorophenol	80	U	80	11	
541-73-1	1,3-Dichlorobenzene	40	U	40	11	
106-46-7	1,4-Dichlorobenzene	40	U	40	11	
95-50-1	1,2-Dichlorobenzene	40	U	40	12	
100-51-6	Benzyl Alcohol	200	U	200	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	80	U	80	11	
95-48-7	2-Methylphenol	80	U	80	53	
67-72-1	Hexachloroethane	40	U	40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	80	U	80	8.2	
106-44-5	4-Methylphenol†	80	U	80	15	
98-95-3	Nitrobenzene	40	U	40	10	
78-59-1	Isophorone	40	U	40	5.8	*
88-75-5	2-Nitrophenol	40	U	40	15	
105-67-9	2,4-Dimethylphenol	200	U	200	13	
111-91-1	Bis(2-chloroethoxy)methane	80	U	80	5.0	
120-83-2	2,4-Dichlorophenol	80	U	80	12	
65-85-0	Benzoic Acid	2000	U	2000	190	
120-82-1	1,2,4-Trichlorobenzene	40	U	40	9.9	
106-47-8	4-Chloroaniline	200	U	200	5.9	
87-68-3	Hexachlorobutadiene	40	U	40	8.5	
59-50-7	4-Chloro-3-methylphenol	200	U	200	72	
77-47-4	Hexachlorocyclopentadiene	5000	U	5000	5000	
88-06-2	2,4,6-Trichlorophenol	200	U	200	8.8	
95-95-4	2,4,5-Trichlorophenol	200	U	200	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
 Lab Code: KWG0419523-5
 File ID: J:\MS06\DATA\011505\0115F003.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	40	U	40	5.9	
88-74-4	2-Nitroaniline	200	U	200	26	
131-11-3	Dimethyl Phthalate	6.2	J	40	5.1	
606-20-2	2,6-Dinitrotoluene	40	U	40	7.0	
99-09-2	3-Nitroaniline	400	U	400	8.9	
51-28-5	2,4-Dinitrophenol	2000	U	2000	23	*
100-02-7	4-Nitrophenol	800	U	800	7.5	
121-14-2	2,4-Dinitrotoluene	200	U	200	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	40	U	40	4.5	
84-66-2	Diethyl Phthalate	80	U	80	9.4	
100-01-6	4-Nitroaniline	200	U	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	2000	U	2000	15	
86-30-6	N-Nitrosodiphenylamine	40	U	40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	40	U	40	5.5	
118-74-1	Hexachlorobenzene	40	U	40	5.9	
87-86-5	Pentachlorophenol	800	U	800	31	
86-74-8	Carbazole	200	U	200	33	
84-74-2	Di-n-butyl Phthalate	22	J	40	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	40	U	40	14	
91-94-1	3,3'-Dichlorobenzidine	2000	U	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	500	U	500	53	
117-84-0	Di-n-octyl Phthalate	200	U	200	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0419523-5
File ID: J:\MS06\DATA\011505\0115F003.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4147

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	63	20-130	01/15/05	Acceptable
Phenol-d6	86	20-130	01/15/05	Acceptable
Nitrobenzene-d5	82	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	81	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	73	20-130	01/15/05	Acceptable
Terphenyl-d14	90	20-130	01/15/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/15/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
 Lab Code: KWG0419801-3
 File ID: J:\MS17\DATA\011805\0118003.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4162

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	20 U	20	10	
62-53-3	Aniline	400 U	400	230	
111-44-4	Bis(2-chloroethyl) Ether	20 U	20	8.7	
108-95-2	Phenol	50 U	50	17	
95-57-8	2-Chlorophenol	40 U	40	11	
541-73-1	1,3-Dichlorobenzene	20 U	20	11	
106-46-7	1,4-Dichlorobenzene	20 U	20	11	
95-50-1	1,2-Dichlorobenzene	20 U	20	12	
100-51-6	Benzyl Alcohol	20 U	20	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	20 U	20	11	
95-48-7	2-Methylphenol	53 U	53	53	
67-72-1	Hexachloroethane	20 U	20	8.5	
621-64-7	N-Nitrosodi-n-propylamine	20 U	20	8.2	
106-44-5	4-Methylphenol†	40 U	40	15	
98-95-3	Nitrobenzene	20 U	20	10	
78-59-1	Isophorone	20 U	20	5.8	
88-75-5	2-Nitrophenol	100 U	100	15	
105-67-9	2,4-Dimethylphenol	40 U	40	13	
111-91-1	Bis(2-chloroethoxy)methane	20 U	20	5.0	
120-83-2	2,4-Dichlorophenol	40 U	40	12	
65-85-0	Benzoic Acid	400 U	400	190	
120-82-1	1,2,4-Trichlorobenzene	20 U	20	9.9	
106-47-8	4-Chloroaniline	100 U	100	5.9	
87-68-3	Hexachlorobutadiene	20 U	20	8.5	
59-50-7	4-Chloro-3-methylphenol	100 U	100	72	
77-47-4	Hexachlorocyclopentadiene	5000 U	5000	5000	
88-06-2	2,4,6-Trichlorophenol	40 U	40	8.8	
95-95-4	2,4,5-Trichlorophenol	40 U	40	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/15/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
 Lab Code: KWG0419801-3
 File ID: J:\MS17\DATA\011805\0118003.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4162

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	20 U	20	5.9	
88-74-4	2-Nitroaniline	100 U	100	26	
131-11-3	Dimethyl Phthalate	20 U	20	5.1	
606-20-2	2,6-Dinitrotoluene	40 U	40	7.0	
99-09-2	3-Nitroaniline	200 U	200	8.9	
51-28-5	2,4-Dinitrophenol	400 U	400	23	
100-02-7	4-Nitrophenol	200 U	200	7.5	
121-14-2	2,4-Dinitrotoluene	100 U	100	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	20 U	20	4.5	
84-66-2	Diethyl Phthalate	40 U	40	9.4	
100-01-6	4-Nitroaniline	100 U	100	26	
534-52-1	2-Methyl-4,6-dinitrophenol	200 U	200	15	
86-30-6	N-Nitrosodiphenylamine	20 U	20	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	20 U	20	5.5	
118-74-1	Hexachlorobenzene	20 U	20	5.9	
87-86-5	Pentachlorophenol	200 U	200	31	
86-74-8	Carbazole	100 U	100	33	
84-74-2	Di-n-butyl Phthalate	33	20	16	
92-87-5	Benzidine	5000 U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	40 U	40	14	
91-94-1	3,3'-Dichlorobenzidine	1000 U	1000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	78 J	250	53	
117-84-0	Di-n-octyl Phthalate	100 U	100	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0419801-3
File ID: J:\MS17\DATA\011805\0118003.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4162

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	60	20-130	01/18/05	Acceptable
Phenol-d6	68	20-130	01/18/05	Acceptable
Nitrobenzene-d5	64	20-130	01/18/05	Acceptable
2-Fluorobiphenyl	79	20-130	01/18/05	Acceptable
2,4,6-Tribromophenol	58	20-130	01/18/05	Acceptable
Terphenyl-d14	113	20-130	01/18/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0419913-3
File ID: J:\MS06\DATA\012205\1022F003.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	10	
62-53-3	Aniline	800	U	800	230	
111-44-4	Bis(2-chloroethyl) Ether	80	U	80	8.7	
108-95-2	Phenol	100	U	100	17	
95-57-8	2-Chlorophenol	80	U	80	11	
541-73-1	1,3-Dichlorobenzene	40	U	40	11	
106-46-7	1,4-Dichlorobenzene	40	U	40	11	
95-50-1	1,2-Dichlorobenzene	40	U	40	12	
100-51-6	Benzyl Alcohol	80	U	80	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	40	U	40	11	
95-48-7	2-Methylphenol	80	U	80	53	
67-72-1	Hexachloroethane	40	U	40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	40	U	40	8.2	
106-44-5	4-Methylphenol†	80	U	80	15	
98-95-3	Nitrobenzene	40	U	40	10	
78-59-1	Isophorone	40	U	40	5.8	
88-75-5	2-Nitrophenol	200	U	200	15	
105-67-9	2,4-Dimethylphenol	80	U	80	13	
111-91-1	Bis(2-chloroethoxy)methane	200	U	200	5.0	
120-83-2	2,4-Dichlorophenol	80	U	80	12	
65-85-0	Benzoic Acid	800	U	800	190	
120-82-1	1,2,4-Trichlorobenzene	40	U	40	9.9	
106-47-8	4-Chloroaniline	200	U	200	5.9	
87-68-3	Hexachlorobutadiene	40	U	40	8.5	
59-50-7	4-Chloro-3-methylphenol	200	U	200	72	
77-47-4	Hexachlorocyclopentadiene	5000	U	5000	5000	
88-06-2	2,4,6-Trichlorophenol	200	U	200	8.8	
95-95-4	2,4,5-Trichlorophenol	200	U	200	11	

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0419913-3
File ID: J:\MS06\DATA\012205\1022F003.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	40 U	40	5.9	
88-74-4	2-Nitroaniline	200 U	200	26	
131-11-3	Dimethyl Phthalate	40 U	40	5.1	
606-20-2	2,6-Dinitrotoluene	200 U	200	7.0	
99-09-2	3-Nitroaniline	400 U	400	8.9	
51-28-5	2,4-Dinitrophenol	800 U	800	23	
100-02-7	4-Nitrophenol	400 U	400	7.5	
121-14-2	2,4-Dinitrotoluene	200 U	200	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	40 U	40	4.5	
84-66-2	Diethyl Phthalate	80 U	80	9.4	
100-01-6	4-Nitroaniline	400 U	400	26	
534-52-1	2-Methyl-4,6-dinitrophenol	400 U	400	15	
86-30-6	N-Nitrosodiphenylamine	40 U	40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	40 U	40	5.5	
118-74-1	Hexachlorobenzene	40 U	40	5.9	
87-86-5	Pentachlorophenol	400 U	400	31	
86-74-8	Carbazole	200 U	200	33	
84-74-2	Di-n-butyl Phthalate	22 J	40	16	
92-87-5	Benzidine	5000 U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	80 U	80	14	
91-94-1	3,3'-Dichlorobenzidine	2000 U	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	160 J	500	53	
117-84-0	Di-n-octyl Phthalate	200 U	200	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/16/2004
Date Analyzed: 01/22/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0419913-3
File ID: J:\MS06\DATA\012205\1022F003.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4169

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	83	20-130	01/22/05	Acceptable
Phenol-d6	93	20-130	01/22/05	Acceptable
Nitrobenzene-d5	91	20-130	01/22/05	Acceptable
2-Fluorobiphenyl	96	20-130	01/22/05	Acceptable
2,4,6-Tribromophenol	79	20-130	01/22/05	Acceptable
Terphenyl-d14	105	20-130	01/22/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0419523-3
 File ID: J:\MS06\DATA\011505\0115F004.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	733	400	10	
62-53-3	Aniline	470 J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	723	40	8.7	
108-95-2	Phenol	708	100	17	
95-57-8	2-Chlorophenol	593	80	11	
541-73-1	1,3-Dichlorobenzene	622	40	11	
106-46-7	1,4-Dichlorobenzene	704	40	11	
95-50-1	1,2-Dichlorobenzene	736	40	12	
100-51-6	Benzyl Alcohol	857	200	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	728	80	11	
95-48-7	2-Methylphenol	692	80	53	
67-72-1	Hexachloroethane	749	40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	812	80	8.2	
106-44-5	4-Methylphenol†	812	80	15	
98-95-3	Nitrobenzene	684	40	10	
78-59-1	Isophorone	916	40	5.8	*
88-75-5	2-Nitrophenol	865	40	15	
105-67-9	2,4-Dimethylphenol	618	200	13	
111-91-1	Bis(2-chloroethoxy)methane	743	80	5.0	
120-83-2	2,4-Dichlorophenol	904	80	12	
65-85-0	Benzoic Acid	1690 J	2000	190	
120-82-1	1,2,4-Trichlorobenzene	719	40	9.9	
106-47-8	4-Chloroaniline	764	200	5.9	
87-68-3	Hexachlorobutadiene	723	40	8.5	
59-50-7	4-Chloro-3-methylphenol	858	200	72	
77-47-4	Hexachlorocyclopentadiene	1070 J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	768	200	8.8	
95-95-4	2,4,5-Trichlorophenol	696	200	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0419523-3
 File ID: J:\MS06\DATA\011505\0115F004.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	744	40	5.9	
88-74-4	2-Nitroaniline	659	200	26	
131-11-3	Dimethyl Phthalate	705	40	5.1	
606-20-2	2,6-Dinitrotoluene	740	40	7.0	
99-09-2	3-Nitroaniline	636	400	8.9	
51-28-5	2,4-Dinitrophenol	2000 U	2000	23	*
100-02-7	4-Nitrophenol	741 J	800	7.5	
121-14-2	2,4-Dinitrotoluene	648	200	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	694	40	4.5	
84-66-2	Diethyl Phthalate	716	80	9.4	
100-01-6	4-Nitroaniline	661	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	954 J	2000	15	
86-30-6	N-Nitrosodiphenylamine	727	40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	781	40	5.5	
118-74-1	Hexachlorobenzene	820	40	5.9	
87-86-5	Pentachlorophenol	776 J	800	31	
86-74-8	Carbazole	764	200	33	
84-74-2	Di-n-butyl Phthalate	827	40	16	
92-87-5	Benzidine	33.0 J	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	914	40	14	
91-94-1	3,3'-Dichlorobenzidine	810 J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	894	500	53	
117-84-0	Di-n-octyl Phthalate	873	200	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
Lab Code: KWG0419523-3
File ID: J:\MS06\DATA\011505\0115F004.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4147

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	59	20-130	01/15/05	Acceptable
Phenol-d6	74	20-130	01/15/05	Acceptable
Nitrobenzene-d5	75	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	80	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	82	20-130	01/15/05	Acceptable
Terphenyl-d14	87	20-130	01/15/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419523-4
 File ID: J:\MS06\DATA\011505\0115F005.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	741		400	10	
62-53-3	Aniline	438	J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	673		40	8.7	
108-95-2	Phenol	635		100	17	
95-57-8	2-Chlorophenol	572		80	11	
541-73-1	1,3-Dichlorobenzene	694		40	11	
106-46-7	1,4-Dichlorobenzene	658		40	11	
95-50-1	1,2-Dichlorobenzene	693		40	12	
100-51-6	Benzyl Alcohol	707		200	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	692		80	11	
95-48-7	2-Methylphenol	632		80	53	
67-72-1	Hexachloroethane	689		40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	695		80	8.2	
106-44-5	4-Methylphenol†	729		80	15	
98-95-3	Nitrobenzene	660		40	10	
78-59-1	Isophorone	844		40	5.8	*
88-75-5	2-Nitrophenol	778		40	15	
105-67-9	2,4-Dimethylphenol	609		200	13	
111-91-1	Bis(2-chloroethoxy)methane	685		80	5.0	
120-83-2	2,4-Dichlorophenol	825		80	12	
65-85-0	Benzoic Acid	1520	J	2000	190	
120-82-1	1,2,4-Trichlorobenzene	692		40	9.9	
106-47-8	4-Chloroaniline	705		200	5.9	
87-68-3	Hexachlorobutadiene	683		40	8.5	
59-50-7	4-Chloro-3-methylphenol	773		200	72	
77-47-4	Hexachlorocyclopentadiene	1060	J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	705		200	8.8	
95-95-4	2,4,5-Trichlorophenol	648		200	11	

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/10/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419523-4
 File ID: J:\MS06\DATA\011505\0115F005.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
 Calibration ID: CAL4147

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	701		40	5.9	
88-74-4	2-Nitroaniline	609		200	26	
131-11-3	Dimethyl Phthalate	696		40	5.1	
606-20-2	2,6-Dinitrotoluene	709		40	7.0	
99-09-2	3-Nitroaniline	653		400	8.9	
51-28-5	2,4-Dinitrophenol	2000	U	2000	23	*
100-02-7	4-Nitrophenol	752	J	800	7.5	
121-14-2	2,4-Dinitrotoluene	653		200	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	651		40	4.5	
84-66-2	Diethyl Phthalate	718		80	9.4	
100-01-6	4-Nitroaniline	669		200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	958	J	2000	15	
86-30-6	N-Nitrosodiphenylamine	721		40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	765		40	5.5	
118-74-1	Hexachlorobenzene	811		40	5.9	
87-86-5	Pentachlorophenol	751	J	800	31	
86-74-8	Carbazole	786		200	33	
84-74-2	Di-n-butyl Phthalate	836		40	16	
92-87-5	Benzidine	29.7	J	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	935		40	14	
91-94-1	3,3'-Dichlorobenzidine	883	J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	951		500	53	
117-84-0	Di-n-octyl Phthalate	918		200	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/10/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419523-4
File ID: J:\MS06\DATA\011505\0115F005.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419523
Calibration ID: CAL4147

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	47	20-130	01/15/05	Acceptable
Phenol-d6	64	20-130	01/15/05	Acceptable
Nitrobenzene-d5	64	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	71	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	76	20-130	01/15/05	Acceptable
Terphenyl-d14	86	20-130	01/15/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/15/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0419801-1
 File ID: J:\MS17\DATA\011805\0118004.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4162

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	301	20	10	
62-53-3	Aniline	253 J	400	230	
111-44-4	Bis(2-chloroethyl) Ether	336	20	8.7	
108-95-2	Phenol	337	50	17	
95-57-8	2-Chlorophenol	330	40	11	
541-73-1	1,3-Dichlorobenzene	325	20	11	
106-46-7	1,4-Dichlorobenzene	326	20	11	
95-50-1	1,2-Dichlorobenzene	334	20	12	
100-51-6	Benzyl Alcohol	270	20	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	317	20	11	
95-48-7	2-Methylphenol	317	53	53	
67-72-1	Hexachloroethane	316	20	8.5	
621-64-7	N-Nitrosodi-n-propylamine	322	20	8.2	
106-44-5	4-Methylphenol†	320	40	15	
98-95-3	Nitrobenzene	328	20	10	
78-59-1	Isophorone	388	20	5.8	
88-75-5	2-Nitrophenol	317	100	15	
105-67-9	2,4-Dimethylphenol	267	40	13	
111-91-1	Bis(2-chloroethoxy)methane	334	20	5.0	
120-83-2	2,4-Dichlorophenol	340	40	12	
65-85-0	Benzoic Acid	480	400	190	
120-82-1	1,2,4-Trichlorobenzene	330	20	9.9	
106-47-8	4-Chloroaniline	311	100	5.9	
87-68-3	Hexachlorobutadiene	324	20	8.5	
59-50-7	4-Chloro-3-methylphenol	343	100	72	
77-47-4	Hexachlorocyclopentadiene	368 J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	317	40	8.8	
95-95-4	2,4,5-Trichlorophenol	325	40	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/15/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0419801-1
 File ID: J:\MS17\DATA\011805\0118004.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4162

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	343		20	5.9	
88-74-4	2-Nitroaniline	311		100	26	
131-11-3	Dimethyl Phthalate	378		20	5.1	
606-20-2	2,6-Dinitrotoluene	331		40	7.0	
99-09-2	3-Nitroaniline	334		200	8.9	
51-28-5	2,4-Dinitrophenol	420		400	23	
100-02-7	4-Nitrophenol	374		200	7.5	
121-14-2	2,4-Dinitrotoluene	368		100	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	350		20	4.5	
84-66-2	Diethyl Phthalate	425		40	9.4	
100-01-6	4-Nitroaniline	363		100	26	
534-52-1	2-Methyl-4,6-dinitrophenol	370		200	15	
86-30-6	N-Nitrosodiphenylamine	412		20	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	357		20	5.5	
118-74-1	Hexachlorobenzene	372		20	5.9	
87-86-5	Pentachlorophenol	335		200	31	
86-74-8	Carbazole	423		100	33	
84-74-2	Di-n-butyl Phthalate	422	B	20	16	
92-87-5	Benzidine	3.32	J	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	415		40	14	
91-94-1	3,3'-Dichlorobenzidine	355	J	1000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	435		250	53	
117-84-0	Di-n-octyl Phthalate	402		100	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
Lab Code: KWG0419801-1
File ID: J:\MS17\DATA\011805\0118004.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4162

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	66	20-130	01/18/05	Acceptable
Phenol-d6	72	20-130	01/18/05	Acceptable
Nitrobenzene-d5	66	20-130	01/18/05	Acceptable
2-Fluorobiphenyl	74	20-130	01/18/05	Acceptable
2,4,6-Tribromophenol	73	20-130	01/18/05	Acceptable
Terphenyl-d14	97	20-130	01/18/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/15/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419801-2
 File ID: J:\MS17\DATA\011805\0118005.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4162

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	308		20	10	
62-53-3	Aniline	262	J	400	230	
111-44-4	Bis(2-chloroethyl) Ether	350		20	8.7	
108-95-2	Phenol	360		50	17	
95-57-8	2-Chlorophenol	353		40	11	
541-73-1	1,3-Dichlorobenzene	339		20	11	
106-46-7	1,4-Dichlorobenzene	340		20	11	
95-50-1	1,2-Dichlorobenzene	350		20	12	
100-51-6	Benzyl Alcohol	299		20	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	337		20	11	
95-48-7	2-Methylphenol	337		53	53	
67-72-1	Hexachloroethane	338		20	8.5	
621-64-7	N-Nitrosodi-n-propylamine	347		20	8.2	
106-44-5	4-Methylphenol†	341		40	15	
98-95-3	Nitrobenzene	354		20	10	
78-59-1	Isophorone	396		20	5.8	
88-75-5	2-Nitrophenol	330		100	15	
105-67-9	2,4-Dimethylphenol	226		40	13	
111-91-1	Bis(2-chloroethoxy)methane	348		20	5.0	
120-83-2	2,4-Dichlorophenol	353		40	12	
65-85-0	Benzoic Acid	557		400	190	
120-82-1	1,2,4-Trichlorobenzene	345		20	9.9	
106-47-8	4-Chloroaniline	314		100	5.9	
87-68-3	Hexachlorobutadiene	332		20	8.5	
59-50-7	4-Chloro-3-methylphenol	361		100	72	
77-47-4	Hexachlorocyclopentadiene	371	J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	340		40	8.8	
95-95-4	2,4,5-Trichlorophenol	349		40	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/15/2004
 Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419801-2
 File ID: J:\MS17\DATA\011805\0118005.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
 Calibration ID: CAL4162

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	351		20	5.9	
88-74-4	2-Nitroaniline	333		100	26	
131-11-3	Dimethyl Phthalate	389		20	5.1	
606-20-2	2,6-Dinitrotoluene	355		40	7.0	
99-09-2	3-Nitroaniline	342		200	8.9	
51-28-5	2,4-Dinitrophenol	447		400	23	
100-02-7	4-Nitrophenol	400		200	7.5	
121-14-2	2,4-Dinitrotoluene	391		100	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	366		20	4.5	
84-66-2	Diethyl Phthalate	433		40	9.4	
100-01-6	4-Nitroaniline	365		100	26	
534-52-1	2-Methyl-4,6-dinitrophenol	397		200	15	
86-30-6	N-Nitrosodiphenylamine	430		20	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	379		20	5.5	
118-74-1	Hexachlorobenzene	392		20	5.9	
87-86-5	Pentachlorophenol	371		200	31	
86-74-8	Carbazole	435		100	33	
84-74-2	Di-n-butyl Phthalate	440	B	20	16	
92-87-5	Benzidine	2.66	J	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	425		40	14	
91-94-1	3,3'-Dichlorobenzidine	347	J	1000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	439		250	53	
117-84-0	Di-n-octyl Phthalate	407		100	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/18/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419801-2
File ID: J:\MS17\DATA\011805\0118005.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419801
Calibration ID: CAL4162

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	69	20-130	01/18/05	Acceptable
Phenol-d6	77	20-130	01/18/05	Acceptable
Nitrobenzene-d5	71	20-130	01/18/05	Acceptable
2-Fluorobiphenyl	75	20-130	01/18/05	Acceptable
2,4,6-Tribromophenol	78	20-130	01/18/05	Acceptable
Terphenyl-d14	98	20-130	01/18/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/16/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0419913-1
 File ID: J:\MS17\DATA\012105\0121F005.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4171

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	337		200	10	
62-53-3	Aniline	493	J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	713		40	8.7	
108-95-2	Phenol	736		100	17	
95-57-8	2-Chlorophenol	719		80	11	
541-73-1	1,3-Dichlorobenzene	722		40	11	
106-46-7	1,4-Dichlorobenzene	717		40	11	
95-50-1	1,2-Dichlorobenzene	754		40	12	
100-51-6	Benzyl Alcohol	660		40	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	677		40	11	
95-48-7	2-Methylphenol	681		80	53	
67-72-1	Hexachloroethane	757		40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	804		40	8.2	
106-44-5	4-Methylphenol†	697		80	15	
98-95-3	Nitrobenzene	741		40	10	
78-59-1	Isophorone	758		40	5.8	
88-75-5	2-Nitrophenol	711		40	15	
105-67-9	2,4-Dimethylphenol	309		80	13	
111-91-1	Bis(2-chloroethoxy)methane	703		40	5.0	
120-83-2	2,4-Dichlorophenol	770		80	12	
65-85-0	Benzoic Acid	1930		800	190	
120-82-1	1,2,4-Trichlorobenzene	740		40	9.9	
106-47-8	4-Chloroaniline	646		200	5.9	
87-68-3	Hexachlorobutadiene	733		40	8.5	
59-50-7	4-Chloro-3-methylphenol	709		200	72	
77-47-4	Hexachlorocyclopentadiene	922	J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	762		80	8.8	
95-95-4	2,4,5-Trichlorophenol	798		80	11	

Comments:

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/16/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0419913-1
 File ID: J:\MS17\DATA\012105\0121F005.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4171

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	759		40	5.9	
88-74-4	2-Nitroaniline	737		200	26	
131-11-3	Dimethyl Phthalate	819		40	5.1	
606-20-2	2,6-Dinitrotoluene	788		40	7.0	
99-09-2	3-Nitroaniline	797		400	8.9	
51-28-5	2,4-Dinitrophenol	964		800	23	
100-02-7	4-Nitrophenol	822		400	7.5	
121-14-2	2,4-Dinitrotoluene	801		80	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	802		40	4.5	
84-66-2	Diethyl Phthalate	874		80	9.4	
100-01-6	4-Nitroaniline	842		200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	848		400	15	
86-30-6	N-Nitrosodiphenylamine	940		40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	787		40	5.5	
118-74-1	Hexachlorobenzene	811		40	5.9	
87-86-5	Pentachlorophenol	826		400	31	
86-74-8	Carbazole	857		200	33	
84-74-2	Di-n-butyl Phthalate	894		40	16	
92-87-5	Benzidine	14.1	J	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	859		40	14	
91-94-1	3,3'-Dichlorobenzidine	813	J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	840		500	53	
117-84-0	Di-n-octyl Phthalate	747		40	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
Lab Code: KWG0419913-1
File ID: J:\MS17\DATA\012105\0121F005.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	72	20-130	01/21/05	Acceptable
Phenol-d6	83	20-130	01/21/05	Acceptable
Nitrobenzene-d5	83	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	91	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	97	20-130	01/21/05	Acceptable
Terphenyl-d14	103	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/16/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419913-2
 File ID: J:\MS17\DATA\012105\0121F006.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4171

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	380		200	10	
62-53-3	Aniline	539	J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	743		40	8.7	
108-95-2	Phenol	767		100	17	
95-57-8	2-Chlorophenol	753		80	11	
541-73-1	1,3-Dichlorobenzene	753		40	11	
106-46-7	1,4-Dichlorobenzene	752		40	11	
95-50-1	1,2-Dichlorobenzene	785		40	12	
100-51-6	Benzyl Alcohol	682		40	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	701		40	11	
95-48-7	2-Methylphenol	746		80	53	
67-72-1	Hexachloroethane	791		40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	838		40	8.2	
106-44-5	4-Methylphenol†	763		80	15	
98-95-3	Nitrobenzene	765		40	10	
78-59-1	Isophorone	814		40	5.8	
88-75-5	2-Nitrophenol	744		40	15	
105-67-9	2,4-Dimethylphenol	510		80	13	
111-91-1	Bis(2-chloroethoxy)methane	735		40	5.0	
120-83-2	2,4-Dichlorophenol	806		80	12	
65-85-0	Benzoic Acid	1910		800	190	
120-82-1	1,2,4-Trichlorobenzene	776		40	9.9	
106-47-8	4-Chloroaniline	696		200	5.9	
87-68-3	Hexachlorobutadiene	764		40	8.5	
59-50-7	4-Chloro-3-methylphenol	774		200	72	
77-47-4	Hexachlorocyclopentadiene	921	J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	811		80	8.8	
95-95-4	2,4,5-Trichlorophenol	846		80	11	

Comments:

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/16/2004
 Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419913-2
 File ID: J:\MS17\DATA\012105\0121F006.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
 Calibration ID: CAL4171

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	797		40	5.9	
88-74-4	2-Nitroaniline	790		200	26	
131-11-3	Dimethyl Phthalate	879		40	5.1	
606-20-2	2,6-Dinitrotoluene	851		40	7.0	
99-09-2	3-Nitroaniline	848		400	8.9	
51-28-5	2,4-Dinitrophenol	964		800	23	
100-02-7	4-Nitrophenol	812		400	7.5	
121-14-2	2,4-Dinitrotoluene	834		80	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	849		40	4.5	
84-66-2	Diethyl Phthalate	894		80	9.4	
100-01-6	4-Nitroaniline	848		200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	855		400	15	
86-30-6	N-Nitrosodiphenylamine	984		40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	847		40	5.5	
118-74-1	Hexachlorobenzene	871		40	5.9	
87-86-5	Pentachlorophenol	852		400	31	
86-74-8	Carbazole	892		200	33	
84-74-2	Di-n-butyl Phthalate	912		40	16	
92-87-5	Benzidine	7.74	J	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	850		40	14	
91-94-1	3,3'-Dichlorobenzidine	842	J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	804		500	53	
117-84-0	Di-n-octyl Phthalate	722		40	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/16/2004
Date Analyzed: 01/21/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419913-2
File ID: J:\MS17\DATA\012105\0121F006.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419913
Calibration ID: CAL4171

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	20-130	01/21/05	Acceptable
Phenol-d6	86	20-130	01/21/05	Acceptable
Nitrobenzene-d5	85	20-130	01/21/05	Acceptable
2-Fluorobiphenyl	93	20-130	01/21/05	Acceptable
2,4,6-Tribromophenol	105	20-130	01/21/05	Acceptable
Terphenyl-d14	106	20-130	01/21/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Polynuclear Aromatic Hydrocarbons
EPA Method 8270C

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/13/2004
Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-A-SS-WB-comp-1
Lab Code: K2409451-001
File ID: J:\MS14\DATA\011905\0119F021.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
Calibration ID: CAL4168

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	7.8		1.5	0.37	
91-57-6	2-Methylnaphthalene	8.8		1.5	0.22	
208-96-8	Acenaphthylene	1.2		0.72	0.072	
83-32-9	Acenaphthene	9.8		0.72	0.11	
132-64-9	Dibenzofuran	5.2		0.72	0.074	
86-73-7	Fluorene	4.8		0.72	0.077	
85-01-8	Phenanthrene	7.7		0.72	0.094	
120-12-7	Anthracene	1.9		0.72	0.079	
206-44-0	Fluoranthene	5.3		0.72	0.076	
129-00-0	Pyrene	2.4		0.72	0.10	
56-55-3	Benzo(a)anthracene	0.31	J	0.72	0.077	
218-01-9	Chrysene	1.1		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.60	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.53	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.24	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.23	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.29	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	65	20-130	01/19/05	Acceptable
Fluoranthene-d10	67	20-130	01/19/05	Acceptable
Terphenyl-d14	78	20-130	01/19/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-B-SS-WB-comp-1
 Lab Code: K2409451-002
 File ID: J:\MS14\DATA\011905\0119F022.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.9		1.5	0.37	
91-57-6	2-Methylnaphthalene	4.5		1.5	0.22	
208-96-8	Acenaphthylene	0.75		0.72	0.072	
83-32-9	Acenaphthene	9.6		0.72	0.11	
132-64-9	Dibenzofuran	5.3		0.72	0.074	
86-73-7	Fluorene	5.0		0.72	0.077	
85-01-8	Phenanthrene	7.9		0.72	0.094	
120-12-7	Anthracene	0.91		0.72	0.079	
206-44-0	Fluoranthene	5.3		0.72	0.076	
129-00-0	Pyrene	2.1		0.72	0.10	
56-55-3	Benz(a)anthracene	0.19	J	0.72	0.077	
218-01-9	Chrysene	0.93		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.53	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.32	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.23	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.26	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	70	20-130	01/19/05	Acceptable
Fluoranthene-d10	74	20-130	01/19/05	Acceptable
Terphenyl-d14	86	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/13/2004
Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-C-SS-WB-comp-1
Lab Code: K2409451-003
File ID: J:\MS14\DATA\011905\0119F023.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
Calibration ID: CAL4168

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.4		1.5	0.37	
91-57-6	2-Methylnaphthalene	4.7		1.5	0.22	
208-96-8	Acenaphthylene	0.75		0.72	0.072	
83-32-9	Acenaphthene	6.9		0.72	0.11	
132-64-9	Dibenzofuran	3.4		0.72	0.074	
86-73-7	Fluorene	3.1		0.72	0.077	
85-01-8	Phenanthrene	4.4		0.72	0.094	
120-12-7	Anthracene	1.1		0.72	0.079	
206-44-0	Fluoranthene	4.1		0.72	0.076	
129-00-0	Pyrene	2.2		0.72	0.10	
56-55-3	Benz(a)anthracene	0.53	J	0.72	0.077	
218-01-9	Chrysene	1.4		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.77		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.64	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.29	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.25	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.28	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/19/05	Acceptable
Fluoranthene-d10	70	20-130	01/19/05	Acceptable
Terphenyl-d14	81	20-130	01/19/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/05/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-D-SS-WB-comp-1
 Lab Code: K2409451-004
 File ID: J:\MS14\DATA\011905\0119F024.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.0		1.5	0.38	
91-57-6	2-Methylnaphthalene	4.4		1.5	0.22	
208-96-8	Acenaphthylene	0.75		0.72	0.072	
83-32-9	Acenaphthene	6.9		0.72	0.11	
132-64-9	Dibenzofuran	3.5		0.72	0.075	
86-73-7	Fluorene	3.1		0.72	0.077	
85-01-8	Phenanthrene	4.7		0.72	0.095	
120-12-7	Anthracene	0.96		0.72	0.079	
206-44-0	Fluoranthene	3.8		0.72	0.076	
129-00-0	Pyrene	1.9		0.72	0.10	
56-55-3	Benz(a)anthracene	0.39	J	0.72	0.077	
218-01-9	Chrysene	1.0		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.43	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.50	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.26	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.29	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	66	20-130	01/19/05	Acceptable
Fluoranthene-d10	68	20-130	01/19/05	Acceptable
Terphenyl-d14	78	20-130	01/19/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-E-SS-WB-comp-1
 Lab Code: K2409451-005
 File ID: J:\MS14\DATA\011905\0119F025.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.9		1.5	0.37	
91-57-6	2-Methylnaphthalene	3.5		1.5	0.22	
208-96-8	Acenaphthylene	0.70	J	0.72	0.072	
83-32-9	Acenaphthene	6.8		0.72	0.11	
132-64-9	Dibenzofuran	3.9		0.72	0.074	
86-73-7	Fluorene	3.5		0.72	0.077	
85-01-8	Phenanthrene	5.6		0.72	0.094	
120-12-7	Anthracene	0.82		0.72	0.079	
206-44-0	Fluoranthene	3.7		0.72	0.076	
129-00-0	Pyrene	1.8		0.72	0.10	
56-55-3	Benz(a)anthracene	0.47	J	0.72	0.077	
218-01-9	Chrysene	0.84		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.62	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.35	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.32	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.35	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	65	20-130	01/19/05	Acceptable
Fluoranthene-d10	67	20-130	01/19/05	Acceptable
Terphenyl-d14	77	20-130	01/19/05	Acceptable

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/13/2004
Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-F-SS-WB-comp-1
Lab Code: K2409451-006
File ID: J:\MS14\DATA\011905\0119F026.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
Calibration ID: CAL4168

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.8		1.5	0.37	
91-57-6	2-Methylnaphthalene	3.0		1.5	0.22	
208-96-8	Acenaphthylene	0.78		0.72	0.072	
83-32-9	Acenaphthene	7.6		0.72	0.11	
132-64-9	Dibenzofuran	4.0		0.72	0.074	
86-73-7	Fluorene	3.4		0.72	0.077	
85-01-8	Phenanthrene	4.8		0.72	0.094	
120-12-7	Anthracene	1.0		0.72	0.079	
206-44-0	Fluoranthene	3.5		0.72	0.076	
129-00-0	Pyrene	1.8		0.72	0.10	
56-55-3	Benz(a)anthracene	0.17	J	0.72	0.077	
218-01-9	Chrysene	0.66	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.31	J	0.72	0.064	
207-08-9	Benzo(k)fluoranthene	0.31	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.16	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.20	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	70	20-130	01/19/05	Acceptable
Fluoranthene-d10	73	20-130	01/19/05	Acceptable
Terphenyl-d14	82	20-130	01/19/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-A-SS-WB-comp-1
 Lab Code: K2409451-007
 File ID: J:\MS14\DATA\011905\0119F027.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	6.1		1.5	0.37	
91-57-6	2-Methylnaphthalene	4.5		1.5	0.22	
208-96-8	Acenaphthylene	1.4		0.72	0.072	
83-32-9	Acenaphthene	10		0.72	0.11	
132-64-9	Dibenzofuran	5.5		0.72	0.074	
86-73-7	Fluorene	5.0		0.72	0.077	
85-01-8	Phenanthrene	6.9		0.72	0.094	
120-12-7	Anthracene	2.1		0.72	0.079	
206-44-0	Fluoranthene	4.9		0.72	0.076	
129-00-0	Pyrene	2.1		0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.077	
218-01-9	Chrysene	1.2		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.55	J	0.72	0.064	
207-08-9	Benzo(k)fluoranthene	0.44	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.23	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.26	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	70	20-130	01/19/05	Acceptable
Fluoranthene-d10	72	20-130	01/19/05	Acceptable
Terphenyl-d14	83	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/13/2004
Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-B-SS-WB-comp-1
Lab Code: K2409451-008
File ID: J:\MS14\DATA\011905\0119F028.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
Calibration ID: CAL4168

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.9		1.5	0.38	
91-57-6	2-Methylnaphthalene	4.1		1.5	0.22	
208-96-8	Acenaphthylene	0.81		0.72	0.072	
83-32-9	Acenaphthene	8.4		0.72	0.11	
132-64-9	Dibenzofuran	4.6		0.72	0.075	
86-73-7	Fluorene	4.6		0.72	0.078	
85-01-8	Phenanthrene	11		0.72	0.095	
120-12-7	Anthracene	1.5		0.72	0.079	
206-44-0	Fluoranthene	9.4		0.72	0.076	
129-00-0	Pyrene	5.7		0.72	0.10	
56-55-3	Benz(a)anthracene	1.7		0.72	0.078	
218-01-9	Chrysene	2.5		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	1.7		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	1.6		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.2		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	1.0		0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.20	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.95		0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	60	20-130	01/19/05	Acceptable
Fluoranthene-d10	63	20-130	01/19/05	Acceptable
Terphenyl-d14	73	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-C-SS-WB-comp-1
 Lab Code: K2409451-009
 File ID: J:\MS14\DATA\011905\0119F029.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.5		1.5	0.38	
91-57-6	2-Methylnaphthalene	2.1		1.5	0.22	
208-96-8	Acenaphthylene	0.59	J	0.72	0.072	
83-32-9	Acenaphthene	4.8		0.72	0.11	
132-64-9	Dibenzofuran	2.7		0.72	0.075	
86-73-7	Fluorene	2.4		0.72	0.077	
85-01-8	Phenanthrene	4.1		0.72	0.095	
120-12-7	Anthracene	0.66	J	0.72	0.079	
206-44-0	Fluoranthene	3.1		0.72	0.076	
129-00-0	Pyrene	1.4		0.72	0.10	
56-55-3	Benz(a)anthracene	0.33	J	0.72	0.077	
218-01-9	Chrysene	0.63	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.34	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.35	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.13	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.15	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.20	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	72	20-130	01/19/05	Acceptable
Fluoranthene-d10	76	20-130	01/19/05	Acceptable
Terphenyl-d14	92	20-130	01/19/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-D-SS-WB-comp-1
 Lab Code: K2409451-010
 File ID: J:\MS14\DATA\011905\0119F030.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.2		1.5	0.38	
91-57-6	2-Methylnaphthalene	4.0		1.5	0.22	
208-96-8	Acenaphthylene	1.0		0.72	0.072	
83-32-9	Acenaphthene	9.3		0.72	0.11	
132-64-9	Dibenzofuran	4.7		0.72	0.075	
86-73-7	Fluorene	4.2		0.72	0.078	
85-01-8	Phenanthrene	7.0		0.72	0.095	
120-12-7	Anthracene	1.4		0.72	0.079	
206-44-0	Fluoranthene	8.3		0.72	0.076	
129-00-0	Pyrene	4.2		0.72	0.10	
56-55-3	Benz(a)anthracene	1.1		0.72	0.078	
218-01-9	Chrysene	1.3		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.76		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.65	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.31	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.27	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.29	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	71	20-130	01/19/05	Acceptable
Fluoranthene-d10	74	20-130	01/19/05	Acceptable
Terphenyl-d14	83	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/13/2004
Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-E-SS-WB-comp-1
Lab Code: K2409451-011
File ID: J:\MS14\DATA\011905\0119F031.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
Calibration ID: CAL4168

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.8		1.5	0.38	
91-57-6	2-Methylnaphthalene	6.3		1.5	0.22	
208-96-8	Acenaphthylene	1.1		0.72	0.072	
83-32-9	Acenaphthene	9.0		0.72	0.11	
132-64-9	Dibenzofuran	4.1		0.72	0.075	
86-73-7	Fluorene	3.7		0.72	0.078	
85-01-8	Phenanthrene	5.2		0.72	0.095	
120-12-7	Anthracene	1.8		0.72	0.079	
206-44-0	Fluoranthene	7.5		0.72	0.076	
129-00-0	Pyrene	4.4		0.72	0.10	
56-55-3	Benz(a)anthracene	1.4		0.72	0.078	
218-01-9	Chrysene	4.4		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	2.3		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	2.2		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.1		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	1.1		0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.22	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.99		0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	67	20-130	01/19/05	Acceptable
Fluoranthene-d10	69	20-130	01/19/05	Acceptable
Terphenyl-d14	77	20-130	01/19/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-F-SS-WB-comp-1
 Lab Code: K2409451-012
 File ID: J:\MS14\DATA\011905\0119F032.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	9.1		1.5	0.37	
91-57-6	2-Methylnaphthalene	6.4		1.5	0.22	
208-96-8	Acenaphthylene	1.2		0.72	0.072	
83-32-9	Acenaphthene	12		0.72	0.11	
132-64-9	Dibenzofuran	6.0		0.72	0.074	
86-73-7	Fluorene	5.6		0.72	0.077	
85-01-8	Phenanthrene	8.1		0.72	0.094	
120-12-7	Anthracene	1.8		0.72	0.079	
206-44-0	Fluoranthene	5.3		0.72	0.076	
129-00-0	Pyrene	2.3		0.72	0.10	
56-55-3	Benz(a)anthracene	0.49	J	0.72	0.077	
218-01-9	Chrysene	1.2		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.59	J	0.72	0.064	
207-08-9	Benzo(k)fluoranthene	0.66	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.38	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.31	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.34	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	64	20-130	01/19/05	Acceptable
Fluoranthene-d10	66	20-130	01/19/05	Acceptable
Terphenyl-d14	74	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/13/2004
Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-A-SS-WB-comp-1
Lab Code: K2409451-013
File ID: J:\MS14\DATA\011905\0119F033.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
Calibration ID: CAL4168

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.0		1.5	0.38	
91-57-6	2-Methylnaphthalene	4.3		1.5	0.22	
208-96-8	Acenaphthylene	1.0		0.72	0.072	
83-32-9	Acenaphthene	11		0.72	0.11	
132-64-9	Dibenzofuran	5.7		0.72	0.075	
86-73-7	Fluorene	5.5		0.72	0.077	
85-01-8	Phenanthrene	7.8		0.72	0.095	
120-12-7	Anthracene	1.1		0.72	0.079	
206-44-0	Fluoranthene	5.1		0.72	0.076	
129-00-0	Pyrene	2.5		0.72	0.10	
56-55-3	Benz(a)anthracene	0.23	J	0.72	0.077	
218-01-9	Chrysene	0.99		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.49	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.51	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.45	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.27	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.33	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	65	20-130	01/19/05	Acceptable
Fluoranthene-d10	67	20-130	01/19/05	Acceptable
Terphenyl-d14	77	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/13/2004
Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-B-SS-WB-comp-1
Lab Code: K2409451-014
File ID: J:\MS14\DATA\011905\0119F034.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
Calibration ID: CAL4168

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.2		1.5	0.37	
91-57-6	2-Methylnaphthalene	5.3		1.5	0.22	
208-96-8	Acenaphthylene	1.4		0.72	0.072	
83-32-9	Acenaphthene	11		0.72	0.11	
132-64-9	Dibenzofuran	5.2		0.72	0.074	
86-73-7	Fluorene	4.8		0.72	0.077	
85-01-8	Phenanthrene	6.3		0.72	0.094	
120-12-7	Anthracene	1.9		0.72	0.079	
206-44-0	Fluoranthene	5.4		0.72	0.076	
129-00-0	Pyrene	3.0		0.72	0.10	
56-55-3	Benz(a)anthracene	1.1		0.72	0.077	
218-01-9	Chrysene	5.2		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	1.2		0.72	0.064	
207-08-9	Benzo(k)fluoranthene	1.1		0.72	0.12	
50-32-8	Benzo(a)pyrene	0.90		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.67	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.18	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.67	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/19/05	Acceptable
Fluoranthene-d10	70	20-130	01/19/05	Acceptable
Terphenyl-d14	80	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-C-SS-WB-comp-1
 Lab Code: K2409451-015
 File ID: J:\MS14\DATA\011905\0119F035.D
 Instrument ID: MS14
 Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.7		1.5	0.38	
91-57-6	2-Methylnaphthalene	3.5		1.5	0.22	
208-96-8	Acenaphthylene	0.78		0.72	0.072	
83-32-9	Acenaphthene	9.3		0.72	0.11	
132-64-9	Dibenzofuran	5.0		0.72	0.075	
86-73-7	Fluorene	4.7		0.72	0.078	
85-01-8	Phenanthrene	6.9		0.72	0.095	
120-12-7	Anthracene	0.94		0.72	0.079	
206-44-0	Fluoranthene	5.0		0.72	0.076	
129-00-0	Pyrene	2.3		0.72	0.10	
56-55-3	Benz(a)anthracene	0.28	J	0.72	0.078	
218-01-9	Chrysene	0.93		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.38	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.29	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.20	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	66	20-130	01/19/05	Acceptable
Fluoranthene-d10	69	20-130	01/19/05	Acceptable
Terphenyl-d14	79	20-130	01/19/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-D-SS-WB-comp-1
 Lab Code: K2409451-016
 File ID: J:\MS14\DATA\011905\0119F036.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.3		1.5	0.37	
91-57-6	2-Methylnaphthalene	5.3		1.5	0.22	
208-96-8	Acenaphthylene	1.1		0.72	0.072	
83-32-9	Acenaphthene	14		0.72	0.11	
132-64-9	Dibenzofuran	7.4		0.72	0.074	
86-73-7	Fluorene	7.1		0.72	0.077	
85-01-8	Phenanthrene	11		0.72	0.094	
120-12-7	Anthracene	1.7		0.72	0.079	
206-44-0	Fluoranthene	5.7		0.72	0.076	
129-00-0	Pyrene	2.5		0.72	0.10	
56-55-3	Benz(a)anthracene	0.31	J	0.72	0.077	
218-01-9	Chrysene	1.5		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.60	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.61	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.55	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.34	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.41	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	69	20-130	01/19/05	Acceptable
Fluoranthene-d10	72	20-130	01/19/05	Acceptable
Terphenyl-d14	81	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-E-SS-WB-comp-1
 Lab Code: K2409451-017
 File ID: J:\MS14\DATA\011905\0119F037.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.3		1.5	0.38	
91-57-6	2-Methylnaphthalene	3.7		1.5	0.22	
208-96-8	Acenaphthylene	0.83		0.72	0.072	
83-32-9	Acenaphthene	11		0.72	0.11	
132-64-9	Dibenzofuran	6.5		0.72	0.075	
86-73-7	Fluorene	6.5		0.72	0.078	
85-01-8	Phenanthrene	9.4		0.72	0.095	
120-12-7	Anthracene	1.2		0.72	0.079	
206-44-0	Fluoranthene	5.0		0.72	0.076	
129-00-0	Pyrene	2.3		0.72	0.10	
56-55-3	Benz(a)anthracene	0.52	J	0.72	0.078	
218-01-9	Chrysene	0.89		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.56	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.50	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.41	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.35	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.42	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	70	20-130	01/19/05	Acceptable
Fluoranthene-d10	72	20-130	01/19/05	Acceptable
Terphenyl-d14	83	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/13/2004
Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-F-SS-WB-comp-1
Lab Code: K2409451-018
File ID: J:\MS14\DATA\011905\0119F038.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
Calibration ID: CAL4168

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.9		1.5	0.37	
91-57-6	2-Methylnaphthalene	4.6		1.5	0.22	
208-96-8	Acenaphthylene	1.1		0.72	0.072	
83-32-9	Acenaphthene	13		0.72	0.11	
132-64-9	Dibenzofuran	6.5		0.72	0.074	
86-73-7	Fluorene	6.1		0.72	0.077	
85-01-8	Phenanthrene	9.1		0.72	0.094	
120-12-7	Anthracene	1.7		0.72	0.079	
206-44-0	Fluoranthene	7.5		0.72	0.076	
129-00-0	Pyrene	3.0		0.72	0.10	
56-55-3	Benz(a)anthracene	1.7		0.72	0.077	
218-01-9	Chrysene	2.4		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	2.1		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	1.7		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.5		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.81		0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.22	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.79		0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	73	20-130	01/19/05	Acceptable
Fluoranthene-d10	75	20-130	01/19/05	Acceptable
Terphenyl-d14	85	20-130	01/19/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-A-SS-WB-comp-1
 Lab Code: K2409451-019
 File ID: J:\MS14\DATA\011905\0119F039.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.8		1.5	0.37	
91-57-6	2-Methylnaphthalene	2.1		1.5	0.22	
208-96-8	Acenaphthylene	0.59	J	0.72	0.072	
83-32-9	Acenaphthene	6.9		0.72	0.11	
132-64-9	Dibenzofuran	3.6		0.72	0.074	
86-73-7	Fluorene	3.1		0.72	0.077	
85-01-8	Phenanthrene	3.8		0.72	0.094	
120-12-7	Anthracene	0.68	J	0.72	0.079	
206-44-0	Fluoranthene	3.0		0.72	0.076	
129-00-0	Pyrene	1.3		0.72	0.10	
56-55-3	Benz(a)anthracene	0.19	J	0.72	0.077	
218-01-9	Chrysene	0.53	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.21	J	0.72	0.064	
207-08-9	Benzo(k)fluoranthene	0.18	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.16	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.18	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/19/05	Acceptable
Fluoranthene-d10	72	20-130	01/19/05	Acceptable
Terphenyl-d14	82	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-B-SS-WB-comp-1
 Lab Code: K2409451-020
 File ID: J:\MS14\DATA\011905\0119F040.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.7		1.5	0.38	
91-57-6	2-Methylnaphthalene	2.1		1.5	0.22	
208-96-8	Acenaphthylene	0.60	J	0.72	0.072	
83-32-9	Acenaphthene	8.0		0.72	0.11	
132-64-9	Dibenzofuran	4.1		0.72	0.075	
86-73-7	Fluorene	3.9		0.72	0.077	
85-01-8	Phenanthrene	5.2		0.72	0.095	
120-12-7	Anthracene	0.70	J	0.72	0.079	
206-44-0	Fluoranthene	4.0		0.72	0.076	
129-00-0	Pyrene	1.8		0.72	0.10	
56-55-3	Benz(a)anthracene	0.17	J	0.72	0.077	
218-01-9	Chrysene	0.65	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.26	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.21	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.16	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.15	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.16	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	52	20-130	01/20/05	Acceptable
Fluoranthene-d10	53	20-130	01/20/05	Acceptable
Terphenyl-d14	60	20-130	01/20/05	Acceptable

Comments:

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/14/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-B-SS-WB-comp-2
 Lab Code: K2409451-021
 File ID: J:\MS14\DATA\011905\0119F049.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
 Calibration ID: CAL4168

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.5	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	3.0		1.5	0.22	
208-96-8	Acenaphthylene	0.81		0.72	0.072	
83-32-9	Acenaphthene	13		0.72	0.11	
132-64-9	Dibenzofuran	5.7		0.72	0.074	
86-73-7	Fluorene	4.9		0.72	0.077	
85-01-8	Phenanthrene	5.2		0.72	0.094	
120-12-7	Anthracene	1.3		0.72	0.079	
206-44-0	Fluoranthene	5.5		0.72	0.076	
129-00-0	Pyrene	2.7		0.72	0.10	
56-55-3	Benz(a)anthracene	0.17	J	0.72	0.077	
218-01-9	Chrysene	1.0		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.36	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.39	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.13	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.21	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.22	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	73	20-130	01/20/05	Acceptable
Fluoranthene-d10	75	20-130	01/20/05	Acceptable
Terphenyl-d14	94	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-C-SS-WB-comp-1
Lab Code: K2409451-022
File ID: J:\MS14\DATA\011905\0119F050.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.0	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	2.9		1.5	0.22	
208-96-8	Acenaphthylene	0.74		0.72	0.072	
83-32-9	Acenaphthene	9.6		0.72	0.11	
132-64-9	Dibenzofuran	4.3		0.72	0.074	
86-73-7	Fluorene	3.9		0.72	0.077	
85-01-8	Phenanthrene	5.2		0.72	0.094	
120-12-7	Anthracene	1.0		0.72	0.079	
206-44-0	Fluoranthene	4.1		0.72	0.076	
129-00-0	Pyrene	1.7		0.72	0.10	
56-55-3	Benz(a)anthracene	0.15	J	0.72	0.077	
218-01-9	Chrysene	0.64	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.21	J	0.72	0.064	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.15	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.16	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	69	20-130	01/20/05	Acceptable
Fluoranthene-d10	71	20-130	01/20/05	Acceptable
Terphenyl-d14	88	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/14/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-C-SS-WB-comp-2
 Lab Code: K2409451-023
 File ID: J:\MS14\DATA\011905\0119F051.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
 Calibration ID: CAL4168

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.0	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	2.2		1.5	0.22	
208-96-8	Acenaphthylene	0.55	J	0.72	0.072	
83-32-9	Acenaphthene	7.9		0.72	0.11	
132-64-9	Dibenzofuran	3.9		0.72	0.075	
86-73-7	Fluorene	3.5		0.72	0.078	
85-01-8	Phenanthrene	4.2		0.72	0.095	
120-12-7	Anthracene	0.61	J	0.72	0.079	
206-44-0	Fluoranthene	3.6		0.72	0.076	
129-00-0	Pyrene	1.6		0.72	0.10	
56-55-3	Benz(a)anthracene	0.17	J	0.72	0.078	
218-01-9	Chrysene	0.54	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.19	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.20	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.12	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.18	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	73	20-130	01/20/05	Acceptable
Fluoranthene-d10	75	20-130	01/20/05	Acceptable
Terphenyl-d14	93	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/14/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-D-SS-WB-comp-1
 Lab Code: K2409451-024
 File ID: J:\MS14\DATA\011905\0119F052.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
 Calibration ID: CAL4168

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.9	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	3.5		1.5	0.22	
208-96-8	Acenaphthylene	0.63	J	0.72	0.072	
83-32-9	Acenaphthene	13		0.72	0.11	
132-64-9	Dibenzofuran	6.6		0.72	0.074	
86-73-7	Fluorene	6.7		0.72	0.077	
85-01-8	Phenanthrene	13		0.72	0.094	
120-12-7	Anthracene	1.1		0.72	0.079	
206-44-0	Fluoranthene	7.2		0.72	0.076	
129-00-0	Pyrene	3.3		0.72	0.10	
56-55-3	Benz(a)anthracene	0.43	J	0.72	0.077	
218-01-9	Chrysene	1.2		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.44	J	0.72	0.064	
207-08-9	Benzo(k)fluoranthene	0.49	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.34	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.21	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.25	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	66	20-130	01/20/05	Acceptable
Fluoranthene-d10	70	20-130	01/20/05	Acceptable
Terphenyl-d14	86	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-ES-FL-comp-2
Lab Code: K2409451-025
File ID: J:\MS14\DATA\011905\0119F053.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.0	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	1.9		1.5	0.22	
208-96-8	Acenaphthylene	0.72		0.72	0.072	
83-32-9	Acenaphthene	5.1		0.72	0.11	
132-64-9	Dibenzofuran	2.1		0.72	0.075	
86-73-7	Fluorene	1.4		0.72	0.078	
85-01-8	Phenanthrene	1.6		0.72	0.095	
120-12-7	Anthracene	1.0		0.72	0.079	
206-44-0	Fluoranthene	1.6		0.72	0.076	
129-00-0	Pyrene	0.57	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.078	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	71	20-130	01/20/05	Acceptable
Fluoranthene-d10	72	20-130	01/20/05	Acceptable
Terphenyl-d14	92	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/14/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-ES-WB-comp-1
 Lab Code: K2409451-026
 File ID: J:\MS14\DATA\011905\0119F054.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
 Calibration ID: CAL4168

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.1	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	2.7		1.5	0.22	
208-96-8	Acenaphthylene	1.8		0.72	0.072	
83-32-9	Acenaphthene	3.5		0.72	0.11	
132-64-9	Dibenzofuran	1.7		0.72	0.074	
86-73-7	Fluorene	1.4		0.72	0.077	
85-01-8	Phenanthrene	2.6		0.72	0.094	
120-12-7	Anthracene	2.9		0.72	0.079	
206-44-0	Fluoranthene	4.0		0.72	0.076	
129-00-0	Pyrene	3.3		0.72	0.10	
56-55-3	Benz(a)anthracene	2.1		0.72	0.077	
218-01-9	Chrysene	3.1		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	3.1		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	2.1		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.8		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	1.0		0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.45	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	1.2		0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/20/05	Acceptable
Fluoranthene-d10	70	20-130	01/20/05	Acceptable
Terphenyl-d14	87	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-ES-WB-comp-2
Lab Code: K2409451-027
File ID: J:\MS14\DATA\011905\0119F055.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.5	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	2.8		1.5	0.22	
208-96-8	Acenaphthylene	1.8		0.72	0.072	
83-32-9	Acenaphthene	3.9		0.72	0.11	
132-64-9	Dibenzofuran	1.9		0.72	0.074	
86-73-7	Fluorene	1.5		0.72	0.077	
85-01-8	Phenanthrene	2.4		0.72	0.094	
120-12-7	Anthracene	2.8		0.72	0.079	
206-44-0	Fluoranthene	3.0		0.72	0.076	
129-00-0	Pyrene	1.9		0.72	0.10	
56-55-3	Benz(a)anthracene	1.2		0.72	0.077	
218-01-9	Chrysene	1.7		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	1.0		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.82		0.72	0.12	
50-32-8	Benzo(a)pyrene	0.56	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.28	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.26	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	72	20-130	01/20/05	Acceptable
Fluoranthene-d10	74	20-130	01/20/05	Acceptable
Terphenyl-d14	92	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-ES-WB-comp-3
Lab Code: K2409451-028
File ID: J:\MS14\DATA\011905\0119F056.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	7.8	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	4.6		1.5	0.22	
208-96-8	Acenaphthylene	2.8		0.72	0.072	
83-32-9	Acenaphthene	7.0		0.72	0.11	
132-64-9	Dibenzofuran	3.7		0.72	0.075	
86-73-7	Fluorene	4.0		0.72	0.078	
85-01-8	Phenanthrene	7.1		0.72	0.095	
120-12-7	Anthracene	5.7		0.72	0.079	
206-44-0	Fluoranthene	5.3		0.72	0.076	
129-00-0	Pyrene	3.3		0.72	0.10	
56-55-3	Benz(a)anthracene	1.9		0.72	0.078	
218-01-9	Chrysene	2.6		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	2.0		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	1.4		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.1		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.62	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.15	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.61	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	74	20-130	01/20/05	Acceptable
Fluoranthene-d10	75	20-130	01/20/05	Acceptable
Terphenyl-d14	95	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-ES-WB-comp-4
Lab Code: K2409451-029
File ID: J:\MS14\DATA\011905\0119F057.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	6.4	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	3.9		1.5	0.22	
208-96-8	Acenaphthylene	1.9		0.72	0.072	
83-32-9	Acenaphthene	5.8		0.72	0.11	
132-64-9	Dibenzofuran	3.4		0.72	0.074	
86-73-7	Fluorene	4.8		0.72	0.077	
85-01-8	Phenanthrene	13		0.72	0.094	
120-12-7	Anthracene	7.6		0.72	0.079	
206-44-0	Fluoranthene	11		0.72	0.076	
129-00-0	Pyrene	7.7		0.72	0.10	
56-55-3	Benz(a)anthracene	3.1		0.72	0.077	
218-01-9	Chrysene	4.6		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	3.0		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	2.1		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.5		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	1.1		0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.22	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	1.0		0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	67	20-130	01/20/05	Acceptable
Fluoranthene-d10	67	20-130	01/20/05	Acceptable
Terphenyl-d14	86	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/14/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-ES-WB-comp-5
 Lab Code: K2409451-030
 File ID: J:\MS14\DATA\011905\0119F058.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
 Calibration ID: CAL4168

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.8	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	3.5		1.5	0.22	
208-96-8	Acenaphthylene	2.0		0.72	0.072	
83-32-9	Acenaphthene	5.3		0.72	0.11	
132-64-9	Dibenzofuran	2.5		0.72	0.075	
86-73-7	Fluorene	2.1		0.72	0.077	
85-01-8	Phenanthrene	3.8		0.72	0.095	
120-12-7	Anthracene	3.9		0.72	0.079	
206-44-0	Fluoranthene	5.2		0.72	0.076	
129-00-0	Pyrene	4.0		0.72	0.10	
56-55-3	Benz(a)anthracene	2.4		0.72	0.077	
218-01-9	Chrysene	3.4		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	2.7		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	2.3		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.8		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	1.2		0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.36	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.98		0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	74	20-130	01/20/05	Acceptable
Fluoranthene-d10	74	20-130	01/20/05	Acceptable
Terphenyl-d14	95	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-ES-WB-comp-6
Lab Code: K2409451-031
File ID: J:\MS14\DATA\011905\0119F059.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	6.9	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	3.9		1.5	0.22	
208-96-8	Acenaphthylene	2.2		0.72	0.072	
83-32-9	Acenaphthene	6.1		0.72	0.11	
132-64-9	Dibenzofuran	2.8		0.72	0.075	
86-73-7	Fluorene	2.3		0.72	0.078	
85-01-8	Phenanthrene	3.3		0.72	0.095	
120-12-7	Anthracene	3.9		0.72	0.079	
206-44-0	Fluoranthene	3.7		0.72	0.076	
129-00-0	Pyrene	2.5		0.72	0.10	
56-55-3	Benz(a)anthracene	1.7		0.72	0.078	
218-01-9	Chrysene	3.3		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	2.2		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	1.6		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.4		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	1.4		0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	1.1		0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	70	20-130	01/20/05	Acceptable
Fluoranthene-d10	70	20-130	01/20/05	Acceptable
Terphenyl-d14	89	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-ES-WB-comp-1
Lab Code: K2409451-032
File ID: J:\MS14\DATA\011905\0119F060.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	8.7	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	5.2		1.5	0.22	
208-96-8	Acenaphthylene	2.4		0.72	0.072	
83-32-9	Acenaphthene	10		0.72	0.11	
132-64-9	Dibenzofuran	4.7		0.72	0.075	
86-73-7	Fluorene	3.6		0.72	0.078	
85-01-8	Phenanthrene	4.2		0.72	0.095	
120-12-7	Anthracene	4.0		0.72	0.079	
206-44-0	Fluoranthene	6.5		0.72	0.076	
129-00-0	Pyrene	3.9		0.72	0.10	
56-55-3	Benz(a)anthracene	2.0		0.72	0.078	
218-01-9	Chrysene	2.6		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	1.8		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	1.4		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.0		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.71	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.63	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	69	20-130	01/20/05	Acceptable
Fluoranthene-d10	69	20-130	01/20/05	Acceptable
Terphenyl-d14	88	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-ES-WB-comp-2
Lab Code: K2409451-033
File ID: J:\MS14\DATA\011905\0119F061.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	12	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	10		1.5	0.22	
208-96-8	Acenaphthylene	2.4		0.72	0.072	
83-32-9	Acenaphthene	22		0.72	0.11	
132-64-9	Dibenzofuran	9.5		0.72	0.074	
86-73-7	Fluorene	6.3		0.72	0.077	
85-01-8	Phenanthrene	7.1		0.72	0.094	
120-12-7	Anthracene	4.4		0.72	0.079	
206-44-0	Fluoranthene	8.8		0.72	0.076	
129-00-0	Pyrene	6.0		0.72	0.10	
56-55-3	Benz(a)anthracene	2.7		0.72	0.077	
218-01-9	Chrysene	3.8		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	1.9		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	2.3		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.5		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	1.0		0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.80		0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	74	20-130	01/20/05	Acceptable
Fluoranthene-d10	73	20-130	01/20/05	Acceptable
Terphenyl-d14	93	20-130	01/20/05	Acceptable

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-ES-WB-comp-3
Lab Code: K2409451-034
File ID: J:\MS14\DATA\011905\0119F062.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	7.4	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	4.7		1.5	0.22	
208-96-8	Acenaphthylene	2.1		0.72	0.072	
83-32-9	Acenaphthene	8.6		0.72	0.11	
132-64-9	Dibenzofuran	4.0		0.72	0.075	
86-73-7	Fluorene	3.5		0.72	0.078	
85-01-8	Phenanthrene	5.5		0.72	0.095	
120-12-7	Anthracene	9.0		0.72	0.079	
206-44-0	Fluoranthene	6.7		0.72	0.076	
129-00-0	Pyrene	4.3		0.72	0.10	
56-55-3	Benz(a)anthracene	3.6		0.72	0.078	
218-01-9	Chrysene	9.0		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	2.0		0.72	0.065	
207-08-9	Benzo(k)fluoranthene	2.7		0.72	0.12	
50-32-8	Benzo(a)pyrene	1.6		0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	1.0		0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.99		0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	70	20-130	01/20/05	Acceptable
Fluoranthene-d10	71	20-130	01/20/05	Acceptable
Terphenyl-d14	91	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/14/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-ES-WB-comp-2
 Lab Code: K2409451-035
 File ID: J:\MS14\DATA\011905\0119F063.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
 Calibration ID: CAL4168

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.8	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	2.5		1.5	0.22	
208-96-8	Acenaphthylene	1.1		0.72	0.072	
83-32-9	Acenaphthene	8.5		0.72	0.11	
132-64-9	Dibenzofuran	3.6		0.72	0.075	
86-73-7	Fluorene	2.4		0.72	0.078	
85-01-8	Phenanthrene	2.5		0.72	0.095	
120-12-7	Anthracene	1.7		0.72	0.079	
206-44-0	Fluoranthene	3.2		0.72	0.076	
129-00-0	Pyrene	1.4		0.72	0.10	
56-55-3	Benz(a)anthracene	0.35	J	0.72	0.078	
218-01-9	Chrysene	0.65	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/20/05	Acceptable
Fluoranthene-d10	67	20-130	01/20/05	Acceptable
Terphenyl-d14	86	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/14/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-SC-EM-comp-1
 Lab Code: K2409451-036
 File ID: J:\MS14\DATA\011905\0119F064.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
 Calibration ID: CAL4168

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.1	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.45	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.72	U	0.72	0.11	
132-64-9	Dibenzofuran	0.11	J	0.72	0.075	
86-73-7	Fluorene	0.11	J	0.72	0.078	
85-01-8	Phenanthrene	0.38	J	0.72	0.095	
120-12-7	Anthracene	0.72	U	0.72	0.079	
206-44-0	Fluoranthene	0.45	J	0.72	0.076	
129-00-0	Pyrene	0.19	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.078	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	57	20-130	01/20/05	Acceptable
Fluoranthene-d10	62	20-130	01/20/05	Acceptable
Terphenyl-d14	92	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/30/2004
 Date Received: 12/01/2004
 Date Extracted: 12/14/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-SC-EM-comp-2
 Lab Code: K2409451-037
 File ID: J:\MS14\DATA\011905\0119F065.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
 Calibration ID: CAL4168

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.1	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.52	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.18	J	0.72	0.11	
132-64-9	Dibenzofuran	0.23	J	0.72	0.075	
86-73-7	Fluorene	0.25	J	0.72	0.078	
85-01-8	Phenanthrene	0.67	J	0.72	0.095	
120-12-7	Anthracene	0.16	J	0.72	0.079	
206-44-0	Fluoranthene	0.71	J	0.72	0.076	
129-00-0	Pyrene	0.36	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.078	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	63	20-130	01/20/05	Acceptable
Fluoranthene-d10	70	20-130	01/20/05	Acceptable
Terphenyl-d14	98	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-SC-EM-comp-3
Lab Code: K2409451-038
File ID: J:\MS14\DATA\011905\0119F066.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.2	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.47	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.72	U	0.72	0.11	
132-64-9	Dibenzofuran	0.13	J	0.72	0.075	
86-73-7	Fluorene	0.15	J	0.72	0.078	
85-01-8	Phenanthrene	0.44	J	0.72	0.095	
120-12-7	Anthracene	0.18	J	0.72	0.079	
206-44-0	Fluoranthene	0.52	J	0.72	0.076	
129-00-0	Pyrene	0.24	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.078	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	57	20-130	01/20/05	Acceptable
Fluoranthene-d10	62	20-130	01/20/05	Acceptable
Terphenyl-d14	97	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-SC-HP-comp-1
Lab Code: K2409451-039
File ID: J:\MS14\DATA\011905\0119F067.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.5	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.94	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.46	J	0.72	0.11	
132-64-9	Dibenzofuran	0.44	J	0.72	0.075	
86-73-7	Fluorene	0.46	J	0.72	0.078	
85-01-8	Phenanthrene	1.4		0.72	0.095	
120-12-7	Anthracene	0.75		0.72	0.079	
206-44-0	Fluoranthene	1.7		0.72	0.076	
129-00-0	Pyrene	0.76		0.72	0.10	
56-55-3	Benz(a)anthracene	0.85		0.72	0.078	
218-01-9	Chrysene	0.64	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	66	20-130	01/20/05	Acceptable
Fluoranthene-d10	74	20-130	01/20/05	Acceptable
Terphenyl-d14	92	20-130	01/20/05	Acceptable

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-SC-EM-comp-1
Lab Code: K2409451-040
File ID: J:\MS14\DATA\011905\0119F068.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.0	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	0.44	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.72	U	0.72	0.11	
132-64-9	Dibenzofuran	0.12	J	0.72	0.074	
86-73-7	Fluorene	0.13	J	0.72	0.077	
85-01-8	Phenanthrene	0.40	J	0.72	0.094	
120-12-7	Anthracene	0.10	J	0.72	0.079	
206-44-0	Fluoranthene	0.48	J	0.72	0.076	
129-00-0	Pyrene	0.23	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.077	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.064	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	56	20-130	01/20/05	Acceptable
Fluoranthene-d10	63	20-130	01/20/05	Acceptable
Terphenyl-d14	92	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-SC-EM-comp-2
 Lab Code: K2409451-041
 File ID: J:\MS14\DATA\012005\0120F008.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.4	BJ	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.34	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.72	U	0.72	0.11	
132-64-9	Dibenzofuran	0.12	J	0.72	0.075	
86-73-7	Fluorene	0.11	J	0.72	0.077	
85-01-8	Phenanthrene	0.38	J	0.72	0.095	
120-12-7	Anthracene	0.72	U	0.72	0.079	
206-44-0	Fluoranthene	0.50	J	0.72	0.076	
129-00-0	Pyrene	0.22	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.077	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	56	20-130	01/20/05	Acceptable
Fluoranthene-d10	61	20-130	01/20/05	Acceptable
Terphenyl-d14	98	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-SC-EM-comp-3
 Lab Code: K2409451-042
 File ID: J:\MS14\DATA\012005\0120F009.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.4	BJ	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.40	J	1.5	0.22	
208-96-8	Acenaphthylene	0.13	J	0.72	0.072	
83-32-9	Acenaphthene	0.13	J	0.72	0.11	
132-64-9	Dibenzofuran	0.15	J	0.72	0.075	
86-73-7	Fluorene	0.16	J	0.72	0.078	
85-01-8	Phenanthrene	0.49	J	0.72	0.095	
120-12-7	Anthracene	0.090	J	0.72	0.079	
206-44-0	Fluoranthene	0.57	J	0.72	0.076	
129-00-0	Pyrene	0.27	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.078	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	61	20-130	01/20/05	Acceptable
Fluoranthene-d10	67	20-130	01/20/05	Acceptable
Terphenyl-d14	100	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-SC-HP-comp-1
 Lab Code: K2409451-043
 File ID: J:\MS14\DATA\012005\0120F010.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.3	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.81	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.59	J	0.72	0.11	
132-64-9	Dibenzofuran	0.44	J	0.72	0.075	
86-73-7	Fluorene	0.46	J	0.72	0.078	
85-01-8	Phenanthrene	1.6		0.72	0.095	
120-12-7	Anthracene	0.60	J	0.72	0.079	
206-44-0	Fluoranthene	1.8		0.72	0.076	
129-00-0	Pyrene	0.87		0.72	0.10	
56-55-3	Benz(a)anthracene	0.70	J	0.72	0.078	
218-01-9	Chrysene	0.66	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	71	20-130	01/20/05	Acceptable
Fluoranthene-d10	75	20-130	01/20/05	Acceptable
Terphenyl-d14	92	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-SC-EM-comp-4
Lab Code: K2409451-044
File ID: J:\MS14\DATA\012005\0120F011.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
Calibration ID: CAL4168

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.6	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.36	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.72	U	0.72	0.11	
132-64-9	Dibenzofuran	0.097	J	0.72	0.075	
86-73-7	Fluorene	0.094	J	0.72	0.077	
85-01-8	Phenanthrene	0.31	J	0.72	0.095	
120-12-7	Anthracene	0.72	U	0.72	0.079	
206-44-0	Fluoranthene	0.18	J	0.72	0.076	
129-00-0	Pyrene	0.16	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.077	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	71	20-130	01/20/05	Acceptable
Fluoranthene-d10	72	20-130	01/20/05	Acceptable
Terphenyl-d14	99	20-130	01/20/05	Acceptable

Comments:

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-SC-EM-comp-5
 Lab Code: K2409451-045
 File ID: J:\MS14\DATA\012005\0120F012.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.5	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.31	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.72	U	0.72	0.11	
132-64-9	Dibenzofuran	0.090	J	0.72	0.075	
86-73-7	Fluorene	0.083	J	0.72	0.078	
85-01-8	Phenanthrene	0.31	J	0.72	0.095	
120-12-7	Anthracene	0.72	U	0.72	0.079	
206-44-0	Fluoranthene	0.23	J	0.72	0.076	
129-00-0	Pyrene	0.16	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.078	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	67	20-130	01/20/05	Acceptable
Fluoranthene-d10	68	20-130	01/20/05	Acceptable
Terphenyl-d14	99	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-SC-EM-comp-6
 Lab Code: K2409451-046
 File ID: J:\MS14\DATA\012005\0120F013.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.6	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	0.40	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.72	U	0.72	0.11	
132-64-9	Dibenzofuran	0.13	J	0.72	0.074	
86-73-7	Fluorene	0.14	J	0.72	0.077	
85-01-8	Phenanthrene	0.40	J	0.72	0.094	
120-12-7	Anthracene	0.10	J	0.72	0.079	
206-44-0	Fluoranthene	0.57	J	0.72	0.076	
129-00-0	Pyrene	0.24	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.077	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	66	20-130	01/20/05	Acceptable
Fluoranthene-d10	71	20-130	01/20/05	Acceptable
Terphenyl-d14	100	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-SC-HP-comp-2
 Lab Code: K2409451-047
 File ID: J:\MS14\DATA\012005\0120F014.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.8	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.97	J	1.5	0.22	
208-96-8	Acenaphthylene	0.61	J	0.72	0.072	
83-32-9	Acenaphthene	0.67	J	0.72	0.11	
132-64-9	Dibenzofuran	0.51	J	0.72	0.075	
86-73-7	Fluorene	0.49	J	0.72	0.077	
85-01-8	Phenanthrene	1.4		0.72	0.095	
120-12-7	Anthracene	1.2		0.72	0.079	
206-44-0	Fluoranthene	1.9		0.72	0.076	
129-00-0	Pyrene	1.1		0.72	0.10	
56-55-3	Benz(a)anthracene	0.84		0.72	0.077	
218-01-9	Chrysene	1.0		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	73	20-130	01/20/05	Acceptable
Fluoranthene-d10	76	20-130	01/20/05	Acceptable
Terphenyl-d14	93	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 09/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-SC-EM-comp-1
 Lab Code: K2409451-048
 File ID: J:\MS14\DATA\012005\0120F015.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-20-3	Naphthalene	1.7 B	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.51 J	1.5	0.22	
208-96-8	Acenaphthylene	0.72 U	0.72	0.072	
83-32-9	Acenaphthene	0.15 J	0.72	0.11	
132-64-9	Dibenzofuran	0.15 J	0.72	0.075	
86-73-7	Fluorene	0.16 J	0.72	0.077	
85-01-8	Phenanthrene	0.49 J	0.72	0.095	
120-12-7	Anthracene	0.12 J	0.72	0.079	
206-44-0	Fluoranthene	0.49 J	0.72	0.076	
129-00-0	Pyrene	0.27 J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72 U	0.72	0.077	
218-01-9	Chrysene	0.72 U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72 U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72 U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72 U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72 U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72 U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72 U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	71	20-130	01/20/05	Acceptable
Fluoranthene-d10	73	20-130	01/20/05	Acceptable
Terphenyl-d14	100	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 09/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-SC-EM-comp-2
 Lab Code: K2409451-049
 File ID: J:\MS14\DATA\012005\0120F016.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.6	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	0.48	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.13	J	0.72	0.11	
132-64-9	Dibenzofuran	0.19	J	0.72	0.074	
86-73-7	Fluorene	0.19	J	0.72	0.077	
85-01-8	Phenanthrene	0.51	J	0.72	0.094	
120-12-7	Anthracene	0.13	J	0.72	0.079	
206-44-0	Fluoranthene	0.80		0.72	0.076	
129-00-0	Pyrene	0.43	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.12	J	0.72	0.077	
218-01-9	Chrysene	0.14	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	70	20-130	01/20/05	Acceptable
Fluoranthene-d10	71	20-130	01/20/05	Acceptable
Terphenyl-d14	99	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 09/03/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-SC-EM-comp-3
Lab Code: K2409451-050
File ID: J:\MS14\DATA\012005\0120F017.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
Calibration ID: CAL4168

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.4	BJ	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.39	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.72	U	0.72	0.11	
132-64-9	Dibenzofuran	0.11	J	0.72	0.075	
86-73-7	Fluorene	0.11	J	0.72	0.078	
85-01-8	Phenanthrene	0.35	J	0.72	0.095	
120-12-7	Anthracene	0.72	U	0.72	0.079	
206-44-0	Fluoranthene	0.48	J	0.72	0.076	
129-00-0	Pyrene	0.21	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.078	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/20/05	Acceptable
Fluoranthene-d10	71	20-130	01/20/05	Acceptable
Terphenyl-d14	98	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 09/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-SC-HP-comp-1
 Lab Code: K2409451-051
 File ID: J:\MS14\DATA\012005\0120F018.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.2	B	1.5	0.37	
91-57-6	2-Methylnaphthalene	0.81	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.44	J	0.72	0.11	
132-64-9	Dibenzofuran	0.32	J	0.72	0.074	
86-73-7	Fluorene	0.37	J	0.72	0.077	
85-01-8	Phenanthrene	1.4		0.72	0.094	
120-12-7	Anthracene	0.53	J	0.72	0.079	
206-44-0	Fluoranthene	1.4		0.72	0.076	
129-00-0	Pyrene	0.69	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.63	J	0.72	0.077	
218-01-9	Chrysene	0.79		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.064	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	69	20-130	01/20/05	Acceptable
Fluoranthene-d10	72	20-130	01/20/05	Acceptable
Terphenyl-d14	88	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/31/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-DC-EM-comp-1
Lab Code: K2409451-052
File ID: J:\MS14\DATA\012005\0120F019.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
Calibration ID: CAL4168

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.5	BJ	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.57	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.30	J	0.72	0.11	
132-64-9	Dibenzofuran	0.47	J	0.72	0.075	
86-73-7	Fluorene	0.40	J	0.72	0.077	
85-01-8	Phenanthrene	0.75		0.72	0.095	
120-12-7	Anthracene	0.27	J	0.72	0.079	
206-44-0	Fluoranthene	0.47	J	0.72	0.076	
129-00-0	Pyrene	0.28	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.12	J	0.72	0.077	
218-01-9	Chrysene	0.16	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	66	20-130	01/20/05	Acceptable
Fluoranthene-d10	68	20-130	01/20/05	Acceptable
Terphenyl-d14	96	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-DC-HP-comp-1
 Lab Code: K2409451-053
 File ID: J:\MS14\DATA\012005\0120F020.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.4	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	2.1		1.5	0.22	
208-96-8	Acenaphthylene	2.2		0.72	0.072	
83-32-9	Acenaphthene	6.5		0.72	0.11	
132-64-9	Dibenzofuran	3.6		0.72	0.075	
86-73-7	Fluorene	2.6		0.72	0.077	
85-01-8	Phenanthrene	7.4		0.72	0.095	
120-12-7	Anthracene	0.72	U	0.72	0.079	
206-44-0	Fluoranthene	0.72	U	0.72	0.076	
129-00-0	Pyrene	0.72	U	0.72	0.10	
56-55-3	Benzo(a)anthracene	0.72	U	0.72	0.077	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	*
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	*
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	*
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	*
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	*
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	75	20-130	01/20/05	Acceptable
Fluoranthene-d10	66	20-130	01/20/05	Acceptable
Terphenyl-d14	81	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-DC-HP-comp-1DL
 Lab Code: K2409451-053
 File ID: J:\MS14\DATA\012105\0121F008.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.4	BJD	15	3.8	
91-57-6	2-Methylnaphthalene	15	U	15	2.2	
208-96-8	Acenaphthylene	1.1	JD	7.2	0.72	
83-32-9	Acenaphthene	5.9	JD	7.2	1.1	
132-64-9	Dibenzofuran	3.1	JD	7.2	0.75	
86-73-7	Fluorene	2.2	JD	7.2	0.77	
85-01-8	Phenanthrene	4.7	JD	7.2	0.95	
120-12-7	Anthracene	4.2	JD	7.2	0.79	
206-44-0	Fluoranthene	5.3	JD	7.2	0.76	
129-00-0	Pyrene	6.7	JD	7.2	1.0	
56-55-3	Benz(a)anthracene	7.2	U	7.2	0.77	
218-01-9	Chrysene	7.2	U	7.2	1.2	
205-99-2	Benzo(b)fluoranthene	7.2	U	7.2	0.65	
207-08-9	Benzo(k)fluoranthene	7.2	U	7.2	1.2	
50-32-8	Benzo(a)pyrene	7.2	U	7.2	1.1	
193-39-5	Indeno(1,2,3-cd)pyrene	7.2	U	7.2	1.1	
53-70-3	Dibenz(a,h)anthracene	7.2	U	7.2	1.2	
191-24-2	Benzo(g,h,i)perylene	7.2	U	7.2	1.4	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	69	20-130	01/21/05	Acceptable
Fluoranthene-d10	71	20-130	01/21/05	Acceptable
Terphenyl-d14	85	20-130	01/21/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-F-SS-WB-comp-1DUP
 Lab Code: KWG0419697-1
 File ID: J:\MS14\DATA\011905\0119F019.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	8.3		1.5	0.38	
91-57-6	2-Methylnaphthalene	6.1		1.5	0.22	
208-96-8	Acenaphthylene	1.1		0.72	0.072	
83-32-9	Acenaphthene	11		0.72	0.11	
132-64-9	Dibenzofuran	5.9		0.72	0.075	
86-73-7	Fluorene	5.4		0.72	0.077	
85-01-8	Phenanthrene	7.8		0.72	0.095	
120-12-7	Anthracene	1.7		0.72	0.079	
206-44-0	Fluoranthene	5.1		0.72	0.076	
129-00-0	Pyrene	2.4		0.72	0.10	
56-55-3	Benzo(a)anthracene	1.5		0.72	0.077	
218-01-9	Chrysene	1.3		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.60	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.55	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.41	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.34	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.24	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.39	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	66	20-130	01/19/05	Acceptable
Fluoranthene-d10	69	20-130	01/19/05	Acceptable
Terphenyl-d14	79	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-ES-FL-comp-2DUP
Lab Code: KWG0419756-1
File ID: J:\MS14\DATA\011905\0119F047.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.1	B	1.5	0.38	
91-57-6	2-Methylnaphthalene	2.0		1.5	0.22	
208-96-8	Acenaphthylene	0.70	J	0.72	0.072	
83-32-9	Acenaphthene	5.3		0.72	0.11	
132-64-9	Dibenzofuran	2.4		0.72	0.075	
86-73-7	Fluorene	1.6		0.72	0.078	
85-01-8	Phenanthrene	1.7		0.72	0.095	
120-12-7	Anthracene	0.94		0.72	0.079	
206-44-0	Fluoranthene	1.7		0.72	0.076	
129-00-0	Pyrene	0.71	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.21	J	0.72	0.078	
218-01-9	Chrysene	0.20	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.16	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.18	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.21	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.24	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.21	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	71	20-130	01/20/05	Acceptable
Fluoranthene-d10	73	20-130	01/20/05	Acceptable
Terphenyl-d14	93	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: 08/31/2004
 Date Received: 12/01/2004
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-SC-EM-comp-5DUP
 Lab Code: KWG0419798-2
 File ID: J:\MS14\DATA\012005\0120F006.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.5	BJ	1.5	0.38	
91-57-6	2-Methylnaphthalene	0.45	J	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.15	J	0.72	0.11	
132-64-9	Dibenzofuran	0.20	J	0.72	0.075	
86-73-7	Fluorene	0.20	J	0.72	0.078	
85-01-8	Phenanthrene	0.49	J	0.72	0.095	
120-12-7	Anthracene	0.14	J	0.72	0.079	
206-44-0	Fluoranthene	0.51	J	0.72	0.076	
129-00-0	Pyrene	0.29	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.16	J	0.72	0.078	
218-01-9	Chrysene	0.17	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.17	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.16	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.18	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.23	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.20	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.22	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	54	20-130	01/20/05	Acceptable
Fluoranthene-d10	58	20-130	01/20/05	Acceptable
Terphenyl-d14	88	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/13/2004
Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Method Blank
Lab Code: KWG0419697-5
File ID: J:\MS14\DATA\011905\0119F016.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
Calibration ID: CAL4168

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.1	J	1.5	0.37	
91-57-6	2-Methylnaphthalene	1.5	U	1.5	0.22	
208-96-8	Acenaphthylene	0.72	U	0.72	0.072	
83-32-9	Acenaphthene	0.72	U	0.72	0.11	
132-64-9	Dibenzofuran	0.095	J	0.72	0.074	
86-73-7	Fluorene	0.078	J	0.72	0.077	
85-01-8	Phenanthrene	0.22	J	0.72	0.094	
120-12-7	Anthracene	0.72	U	0.72	0.079	
206-44-0	Fluoranthene	0.72	U	0.72	0.076	
129-00-0	Pyrene	0.18	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.077	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.064	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.16	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.13	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.15	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	58	20-130	01/19/05	Acceptable
Fluoranthene-d10	61	20-130	01/19/05	Acceptable
Terphenyl-d14	83	20-130	01/19/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Method Blank
Lab Code: KWG0419756-7
File ID: J:\MS14\DATA\011905\0119F044.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.1		1.0	0.26	
91-57-6	2-Methylnaphthalene	0.17	J	1.0	0.15	
208-96-8	Acenaphthylene	0.50	U	0.50	0.050	
83-32-9	Acenaphthene	0.50	U	0.50	0.074	
132-64-9	Dibenzofuran	0.055	J	0.50	0.052	
86-73-7	Fluorene	0.50	U	0.50	0.054	
85-01-8	Phenanthrene	0.11	J	0.50	0.066	
120-12-7	Anthracene	0.50	U	0.50	0.055	
206-44-0	Fluoranthene	0.50	U	0.50	0.053	
129-00-0	Pyrene	0.50	U	0.50	0.070	
56-55-3	Benzo(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	78	20-130	01/20/05	Acceptable
Fluoranthene-d10	81	20-130	01/20/05	Acceptable
Terphenyl-d14	113	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Method Blank
Lab Code: KWG0419798-4
File ID: J:\MS14\DATA\012005\0120F003.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
Calibration ID: CAL4168

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.1		1.0	0.26	
91-57-6	2-Methylnaphthalene	0.17	J	1.0	0.15	
208-96-8	Acenaphthylene	0.50	U	0.50	0.050	
83-32-9	Acenaphthene	0.50	U	0.50	0.074	
132-64-9	Dibenzofuran	0.50	U	0.50	0.052	
86-73-7	Fluorene	0.50	U	0.50	0.054	
85-01-8	Phenanthrene	0.15	J	0.50	0.066	
120-12-7	Anthracene	0.50	U	0.50	0.055	
206-44-0	Fluoranthene	0.50	U	0.50	0.053	
129-00-0	Pyrene	0.50	U	0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	65	20-130	01/20/05	Acceptable
Fluoranthene-d10	68	20-130	01/20/05	Acceptable
Terphenyl-d14	93	20-130	01/20/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Lab Control Sample
 Lab Code: KWG0419697-3
 File ID: J:\MS14\DATA\011905\0119F017.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-20-3	Naphthalene	175	1.0	0.26	
91-57-6	2-Methylnaphthalene	179	1.0	0.15	
208-96-8	Acenaphthylene	181	0.50	0.050	
83-32-9	Acenaphthene	182	0.50	0.074	
132-64-9	Dibenzofuran	184	0.50	0.052	
86-73-7	Fluorene	187	0.50	0.054	
85-01-8	Phenanthrene	188	0.50	0.066	
120-12-7	Anthracene	192	0.50	0.055	
206-44-0	Fluoranthene	201	0.50	0.053	
129-00-0	Pyrene	192	0.50	0.070	
56-55-3	Benz(a)anthracene	193	0.50	0.054	
218-01-9	Chrysene	204	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	208	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	213	0.50	0.081	
50-32-8	Benzo(a)pyrene	207	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	212	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	216	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	207	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	60	20-130	01/19/05	Acceptable
Fluoranthene-d10	64	20-130	01/19/05	Acceptable
Terphenyl-d14	73	20-130	01/19/05	Acceptable

Comments:

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/13/2004
 Date Analyzed: 01/19/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419697-4
 File ID: J:\MS14\DATA\011905\0119F018.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419697
 Calibration ID: CAL4168

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-20-3	Naphthalene	165	1.0	0.26	
91-57-6	2-Methylnaphthalene	167	1.0	0.15	
208-96-8	Acenaphthylene	167	0.50	0.050	
83-32-9	Acenaphthene	168	0.50	0.074	
132-64-9	Dibenzofuran	168	0.50	0.052	
86-73-7	Fluorene	171	0.50	0.054	
85-01-8	Phenanthrene	170	0.50	0.066	
120-12-7	Anthracene	173	0.50	0.055	
206-44-0	Fluoranthene	181	0.50	0.053	
129-00-0	Pyrene	173	0.50	0.070	
56-55-3	Benz(a)anthracene	174	0.50	0.054	
218-01-9	Chrysene	184	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	188	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	192	0.50	0.081	
50-32-8	Benzo(a)pyrene	186	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	188	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	192	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	185	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	56	20-130	01/19/05	Acceptable
Fluoranthene-d10	59	20-130	01/19/05	Acceptable
Terphenyl-d14	68	20-130	01/19/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Lab Control Sample
Lab Code: KWG0419756-5
File ID: J:\MS14\DATA\011905\0119F045.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	222		1.0	0.26	
91-57-6	2-Methylnaphthalene	226		1.0	0.15	
208-96-8	Acenaphthylene	226		0.50	0.050	
83-32-9	Acenaphthene	225		0.50	0.074	
132-64-9	Dibenzofuran	227		0.50	0.052	
86-73-7	Fluorene	229		0.50	0.054	
85-01-8	Phenanthrene	227		0.50	0.066	
120-12-7	Anthracene	234		0.50	0.055	
206-44-0	Fluoranthene	241		0.50	0.053	
129-00-0	Pyrene	231		0.50	0.070	
56-55-3	Benz(a)anthracene	243		0.50	0.054	
218-01-9	Chrysene	251		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	254		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	261		0.50	0.081	
50-32-8	Benzo(a)pyrene	260		0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	265		0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	282		0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	246		0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/20/05	Acceptable
Fluoranthene-d10	72	20-130	01/20/05	Acceptable
Terphenyl-d14	90	20-130	01/20/05	Acceptable

Comments:

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/14/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419756-6
File ID: J:\MS14\DATA\011905\0119F046.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419756
Calibration ID: CAL4168

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-20-3	Naphthalene	195	1.0	0.26	
91-57-6	2-Methylnaphthalene	201	1.0	0.15	
208-96-8	Acenaphthylene	203	0.50	0.050	
83-32-9	Acenaphthene	203	0.50	0.074	
132-64-9	Dibenzofuran	204	0.50	0.052	
86-73-7	Fluorene	208	0.50	0.054	
85-01-8	Phenanthrene	209	0.50	0.066	
120-12-7	Anthracene	216	0.50	0.055	
206-44-0	Fluoranthene	227	0.50	0.053	
129-00-0	Pyrene	217	0.50	0.070	
56-55-3	Benz(a)anthracene	232	0.50	0.054	
218-01-9	Chrysene	242	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	244	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	250	0.50	0.081	
50-32-8	Benzo(a)pyrene	250	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	259	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	272	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	240	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	79	20-130	01/20/05	Acceptable
Fluoranthene-d10	87	20-130	01/20/05	Acceptable
Terphenyl-d14	109	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409451
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/15/2004
 Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Lab Control Sample
 Lab Code: KWG0419798-3
 File ID: J:\MS14\DATA\012005\0120F004.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
 Calibration ID: CAL4168

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-20-3	Naphthalene	221	1.0	0.26	
91-57-6	2-Methylnaphthalene	226	1.0	0.15	
208-96-8	Acenaphthylene	228	0.50	0.050	
83-32-9	Acenaphthene	227	0.50	0.074	
132-64-9	Dibenzofuran	228	0.50	0.052	
86-73-7	Fluorene	233	0.50	0.054	
85-01-8	Phenanthrene	232	0.50	0.066	
120-12-7	Anthracene	241	0.50	0.055	
206-44-0	Fluoranthene	251	0.50	0.053	
129-00-0	Pyrene	240	0.50	0.070	
56-55-3	Benz(a)anthracene	252	0.50	0.054	
218-01-9	Chrysene	261	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	262	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	271	0.50	0.081	
50-32-8	Benzo(a)pyrene	268	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	267	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	285	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	248	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/20/05	Acceptable
Fluoranthene-d10	73	20-130	01/20/05	Acceptable
Terphenyl-d14	91	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 01/20/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419798-6
File ID: J:\MS14\DATA\012005\0120F005.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419798
Calibration ID: CAL4168

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	224		1.0	0.26	
91-57-6	2-Methylnaphthalene	229		1.0	0.15	
208-96-8	Acenaphthylene	232		0.50	0.050	
83-32-9	Acenaphthene	232		0.50	0.074	
132-64-9	Dibenzofuran	232		0.50	0.052	
86-73-7	Fluorene	237		0.50	0.054	
85-01-8	Phenanthrene	237		0.50	0.066	
120-12-7	Anthracene	244		0.50	0.055	
206-44-0	Fluoranthene	254		0.50	0.053	
129-00-0	Pyrene	244		0.50	0.070	
56-55-3	Benz(a)anthracene	254		0.50	0.054	
218-01-9	Chrysene	262		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	270		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	274		0.50	0.081	
50-32-8	Benzo(a)pyrene	272		0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	272		0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	289		0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	252		0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	71	20-130	01/20/05	Acceptable
Fluoranthene-d10	76	20-130	01/20/05	Acceptable
Terphenyl-d14	94	20-130	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Windward Environmental
Project: LDW/04-08-06-22
SRM Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/13/2004
Date Analyzed: 1/19/2005

Standard Reference Material
Polynuclear Aromatic Hydrocarbons

Sample Name: Standard Reference Material
Lab Code: KWG0419697-2
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Phenanthrene	EPA 3541	8270C SIM	2.5	2.3	1.1-5.6	
Fluoranthene	EPA 3541	8270C SIM	19	16	8.8-39	
Pyrene	EPA 3541	8270C SIM	18	16	8.3-36	
Benz(a)anthracene	EPA 3541	8270C SIM	3.7	3.8	1.6-8.5	
Chrysene	EPA 3541	8270C SIM	11	10	4.9-23	
Benzo(b)fluoranthene	EPA 3541	8270C SIM	5.3	5	2.4-11	
Benzo(k)fluoranthene	EPA 3541	8270C SIM	4.6	4.2	2.2-9.9	
Benzo(a)pyrene	EPA 3541	8270C SIM	1.8	1.9	0.85-3.7	
Indeno(1,2,3-cd)pyrene	EPA 3541	8270C SIM	1.6	1.9	0.65-3.9	
Benzo(g,h,i)perylene	EPA 3541	8270C SIM	2.5	3	1.1-5.5	

Approved By: _____
LCS (44)/091898p

Date: 1/25/05

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Windward Environmental
Project: LDW/04-08-06-22
SRM Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/14/2004
Date Analyzed: 1/20/2005

Standard Reference Material
Polynuclear Aromatic Hydrocarbons

Sample Name: Standard Reference Material
Lab Code: KWG0419756-2
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Phenanthrene	EPA 3541	8270C SIM	2.5	2.3	1.1-5.6	
Fluoranthene	EPA 3541	8270C SIM	19	18	8.8-39	
Pyrene	EPA 3541	8270C SIM	18	18	8.3-36	
Benzo(a)anthracene	EPA 3541	8270C SIM	3.7	4.3	1.6-8.5	
Chrysene	EPA 3541	8270C SIM	11	11	4.9-23	
Benzo(b)fluoranthene	EPA 3541	8270C SIM	5.3	5.9	2.4-11	
Benzo(k)fluoranthene	EPA 3541	8270C SIM	4.6	4.8	2.2-9.9	
Benzo(a)pyrene	EPA 3541	8270C SIM	1.8	2.3	0.85-3.7	
Indeno(1,2,3-cd)pyrene	EPA 3541	8270C SIM	1.6	2.2	0.65-3.9	
Benzo(g,h,i)perylene	EPA 3541	8270C SIM	2.5	3.3	1.1-5.5	

Approved By: _____
LCS (44)/091898p

Date: 1/25/05

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Windward Environmental
Project: LDW/04-08-06-22
SRM Matrix: Tissue

Service Request: K2409451
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 1/20/2005

Standard Reference Material
Polynuclear Aromatic Hydrocarbons

Sample Name: Standard Reference Material
Lab Code: KWG0419798-5
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Phenanthrene	EPA 3541	8270C SIM	2.5	2.6	1.1-5.6	
Fluoranthene	EPA 3541	8270C SIM	19	21	8.8-39	
Pyrene	EPA 3541	8270C SIM	18	20	8.3-36	
Benzo(a)anthracene	EPA 3541	8270C SIM	3.7	4.8	1.6-8.5	
Chrysene	EPA 3541	8270C SIM	11	13	4.9-23	
Benzo(b)fluoranthene	EPA 3541	8270C SIM	5.3	6.6	2.4-11	
Benzo(k)fluoranthene	EPA 3541	8270C SIM	4.6	5.3	2.2-9.9	
Benzo(a)pyrene	EPA 3541	8270C SIM	1.8	2.4	0.85-3.7	
Indeno(1,2,3-cd)pyrene	EPA 3541	8270C SIM	1.6	2.3	0.65-3.9	
Benzo(g,h,i)perylene	EPA 3541	8270C SIM	2.5	3.6	1.1-5.5	

Approved By: _____
LCS (44)/091898p

Date: 1/25/05