

Metals

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental
Project No.: 04-08-06-22
Project Name: LDWG
Matrix: TISSUE

Service Request: K2409445
Date Collected: 08/02/04
Date Received: 12/01/04
Units: mg/kg
Basis: Wet

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

Lab Code: K2409445-001

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.004	B	
Arsenic	6020	0.108	0.006	5	12/21/04	12/30/04	1.430		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.009		
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.11	U	
Cobalt	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0285		
Copper	6020	0.02	0.02	5	12/21/04	12/30/04	1.13		
Lead	6020	0.004	0.002	5	12/21/04	12/30/04	0.098		
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.021		
Molybdenum	6020	0.0108	0.0006	5	12/21/04	12/30/04	0.0144		
Nickel	6020	0.043	0.006	5	12/21/04	12/30/04	0.169		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.17		
Silver	6020	0.0043	0.0009	5	12/21/04	12/30/04	0.0070		
Thallium	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0007	B	
Vanadium	6010B	0.2	0.2	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.22	0.06	1	12/21/04	1/9/05	12.0		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-002

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.006	B	
Arsenic	6020	0.106	0.006	5	12/21/04	12/30/04	1.110		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.010		
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.11	U	
Cobalt	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0360		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.94		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.095		
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.019		
Molybdenum	6020	0.0106	0.0006	5	12/21/04	12/30/04	0.0114		
Nickel	6020	0.042	0.006	5	12/21/04	12/30/04	0.194		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.20		
Silver	6020	0.0042	0.0008	5	12/21/04	12/30/04	0.0053		
Thallium	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0005	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	B	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	11.1		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-003

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.010	0.001	5	12/21/04	12/30/04	0.002	B	
Arsenic	6020	0.102	0.006	5	12/21/04	12/30/04	0.898		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.009		
Chromium	6010B	0.10	0.06	1	12/21/04	1/9/05	0.10	U	
Cobalt	6020	0.0041	0.0004	5	12/21/04	12/30/04	0.0229		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.86		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.061		
Mercury	7471A	0.004	0.001	1	1/17/05	1/18/05	0.018		
Molybdenum	6020	0.0102	0.0006	5	12/21/04	12/30/04	0.0121		
Nickel	6020	0.041	0.006	5	12/21/04	12/30/04	0.172		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.17		
Silver	6020	0.0041	0.0008	5	12/21/04	12/30/04	0.0051		
Thallium	6020	0.0041	0.0004	5	12/21/04	12/30/04	0.0006	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.1	B	
Zinc	6010B	0.20	0.06	1	12/21/04	1/9/05	10.7		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/05/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-004

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.003	B	
Arsenic	6020	0.106	0.006	5	12/21/04	12/30/04	0.938		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.011		
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.08	B	
Cobalt	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0288		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	1.05		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.110		
Mercury	7471A	0.003	0.001	1	1/17/05	1/18/05	0.022		
Molybdenum	6020	0.0106	0.0006	5	12/21/04	12/30/04	0.0153		
Nickel	6020	0.043	0.006	5	12/21/04	12/30/04	0.180		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.17		
Silver	6020	0.0043	0.0009	5	12/21/04	12/30/04	0.0071		
Thallium	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0005	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	B	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	11.6		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental
 Project No.: 04-08-06-22
 Project Name: LDWG
 Matrix: TISSUE

Service Request: K2409445
 Date Collected: 08/02/04
 Date Received: 12/01/04
 Units: mg/kg
 Basis: Wet

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

Lab Code: K2409445-005

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.007	B	
Arsenic	6020	0.110	0.007	5	12/21/04	12/30/04	1.050		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.007		
Chromium	6010B	0.11	0.07	1	12/21/04	1/9/05	0.11		
Cobalt	6020	0.0044	0.0004	5	12/21/04	12/30/04	0.0246		
Copper	6020	0.02	0.02	5	12/21/04	12/30/04	1.03		
Lead	6020	0.004	0.002	5	12/21/04	12/30/04	0.091		
Mercury	7471A	0.004	0.001	1	1/17/05	1/18/05	0.026		
Molybdenum	6020	0.0110	0.0007	5	12/21/04	12/30/04	0.0152		
Nickel	6020	0.044	0.007	5	12/21/04	12/30/04	0.185		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.19		
Silver	6020	0.0044	0.0009	5	12/21/04	12/30/04	0.0064		
Thallium	6020	0.0044	0.0004	5	12/21/04	12/30/04	0.0005	B	
Vanadium	6010B	0.2	0.2	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.22	0.07	1	12/21/04	1/9/05	11.8		

* Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental
 Project No.: 04-08-06-22
 Project Name: LDWG
 Matrix: TISSUE

Service Request: K2409445
 Date Collected: 08/03/04
 Date Received: 12/01/04
 Units: mg/kg
 Basis: Wet

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

Lab Code: K2409445-006

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.004	B	
Arsenic	6020	0.108	0.006	5	12/21/04	12/30/04	1.230		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.006		
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.10	B	
Cobalt	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0247		
Copper	6020	0.02	0.02	5	12/21/04	12/30/04	1.00		
Lead	6020	0.004	0.002	5	12/21/04	12/30/04	0.114		
Mercury	7471A	0.004	0.001	1	1/17/05	1/18/05	0.028		
Molybdenum	6020	0.0108	0.0006	5	12/21/04	12/30/04	0.0162		
Nickel	6020	0.043	0.006	5	12/21/04	12/30/04	0.163		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.18		
Silver	6020	0.0043	0.0009	5	12/21/04	12/30/04	0.0053		
Thallium	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0043	U	
Vanadium	6010B	0.2	0.2	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.22	0.06	1	12/21/04	1/9/05	10.9		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-007

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.010	0.001	5	12/21/04	12/30/04	0.003	B	
Arsenic	6020	0.104	0.006	5	12/21/04	12/30/04	0.828		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.005		
Chromium	6010B	0.10	0.06	1	12/21/04	1/9/05	0.10	U	
Cobalt	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0220		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.97		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.051		
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.025		
Molybdenum	6020	0.0104	0.0006	5	12/21/04	12/30/04	0.0111		
Nickel	6020	0.042	0.006	5	12/21/04	12/30/04	0.145		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.17		
Silver	6020	0.0042	0.0008	5	12/21/04	12/30/04	0.0049		
Thallium	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0042	U	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	11.5		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental
 Project No.: 04-08-06-22
 Project Name: LDWG
 Matrix: TISSUE

Service Request: K2409445
 Date Collected: 08/06/04
 Date Received: 12/01/04
 Units: mg/kg
 Basis: Wet

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

Lab Code: K2409445-008

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.002	B	
Arsenic	6020	0.107	0.006	5	12/21/04	12/30/04	0.866		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.003	B	
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.10	B	
Cobalt	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0222		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.83		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.064		
Mercury	7471A	0.003	0.001	1	1/17/05	1/18/05	0.031		
Molybdenum	6020	0.0107	0.0006	5	12/21/04	12/30/04	0.0146		
Nickel	6020	0.043	0.006	5	12/21/04	12/30/04	0.130		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.18		
Silver	6020	0.0043	0.0009	5	12/21/04	12/30/04	0.0041	B	
Thallium	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0043	U	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	B	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	10.8		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental
 Project No.: 04-08-06-22
 Project Name: LDWG
 Matrix: TISSUE

Service Request: K2409445
 Date Collected: 08/04/04
 Date Received: 12/01/04
 Units: mg/kg
 Basis: Wet

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

Lab Code: K2409445-009

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.003	B	
Arsenic	6020	0.110	0.007	5	12/21/04	12/30/04	0.940		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.008		
Chromium	6010B	0.11	0.07	1	12/21/04	1/9/05	0.11	U	
Cobalt	6020	0.0044	0.0004	5	12/21/04	12/30/04	0.0262		
Copper	6020	0.02	0.02	5	12/21/04	12/30/04	1.22		
Lead	6020	0.004	0.002	5	12/21/04	12/30/04	0.084		
Mercury	7471A	0.004	0.001	1	1/17/05	1/18/05	0.034		
Molybdenum	6020	0.0110	0.0007	5	12/21/04	12/30/04	0.0136		
Nickel	6020	0.044	0.007	5	12/21/04	12/30/04	0.163		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.19		
Silver	6020	0.0044	0.0009	5	12/21/04	12/30/04	0.0057		
Thallium	6020	0.0044	0.0004	5	12/21/04	12/30/04	0.0005	B	
Vanadium	6010B	0.2	0.2	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.22	0.07	1	12/21/04	1/9/05	12.5		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/05/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-010

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.002	B	
Arsenic	6020	0.106	0.006	5	12/21/04	12/30/04	0.979		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.006		
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.11	U	
Cobalt	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0239		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	1.15		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.076		
Mercury	7471A	0.003	0.001	1	1/17/05	1/18/05	0.038		
Molybdenum	6020	0.0106	0.0006	5	12/21/04	12/30/04	0.0131		
Nickel	6020	0.043	0.006	5	12/21/04	12/30/04	0.148		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.20		
Silver	6020	0.0043	0.0009	5	12/21/04	12/30/04	0.0077		
Thallium	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0005	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	13.8		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental
 Project No.: 04-08-06-22
 Project Name: LDWG
 Matrix: TISSUE

Service Request: K2409445
 Date Collected: 08/03/04
 Date Received: 12/01/04
 Units: mg/kg
 Basis: Wet

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

Lab Code: K2409445-011

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.002	B	
Arsenic	6020	0.106	0.006	5	12/21/04	12/30/04	0.668		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.006		
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.11	U	
Cobalt	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0246		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.97		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.034		
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.039		
Molybdenum	6020	0.0106	0.0006	5	12/21/04	12/30/04	0.0094	B	
Nickel	6020	0.042	0.006	5	12/21/04	12/30/04	0.169		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.20		
Silver	6020	0.0042	0.0008	5	12/21/04	12/30/04	0.0045		
Thallium	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0042	U	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	B	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	11.3		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-012

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.010	0.001	5	12/21/04	12/30/04	0.002	B	
Arsenic	6020	0.104	0.006	5	12/21/04	12/30/04	0.754		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.004		
Chromium	6010B	0.10	0.06	1	12/21/04	1/9/05	0.10	U	
Cobalt	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0318		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.93		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.069		
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.030		
Molybdenum	6020	0.0104	0.0006	5	12/21/04	12/30/04	0.0115		
Nickel	6020	0.042	0.006	5	12/21/04	12/30/04	0.167		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.20		
Silver	6020	0.0042	0.0008	5	12/21/04	12/30/04	0.0039	B	
Thallium	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0005	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2		
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	11.7		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental
 Project No.: 04-08-06-22
 Project Name: LDWG
 Matrix: TISSUE

Service Request: K2409445
 Date Collected: 08/02/04
 Date Received: 12/01/04
 Units: mg/kg
 Basis: Wet

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

Lab Code: K2409445-013

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.010	0.001	5	12/21/04	12/30/04	0.002	B	
Arsenic	6020	0.104	0.006	5	12/21/04	12/30/04	0.828		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.003	B	
Chromium	6010B	0.10	0.06	1	12/21/04	1/9/05	0.10	U	
Cobalt	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0256		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.99		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.044		
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.037		
Molybdenum	6020	0.0104	0.0006	5	12/21/04	12/30/04	0.0107		
Nickel	6020	0.042	0.006	5	12/21/04	12/30/04	0.153		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.18		
Silver	6020	0.0042	0.0008	5	12/21/04	12/30/04	0.0041	B	
Thallium	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0007	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	11.5		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental
 Project No.: 04-08-06-22
 Project Name: LDWG
 Matrix: TISSUE

Service Request: K2409445
 Date Collected: 08/03/04
 Date Received: 12/01/04
 Units: mg/kg
 Basis: Wet

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

Lab Code: K2409445-014

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.010	0.001	5	12/21/04	12/30/04	0.002	B	
Arsenic	6020	0.102	0.006	5	12/21/04	12/30/04	0.477		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.003	B	
Chromium	6010B	0.10	0.06	1	12/21/04	1/9/05	0.10	U	
Cobalt	6020	0.0041	0.0004	5	12/21/04	12/30/04	0.0203		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.99		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.037		
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.029		
Molybdenum	6020	0.0102	0.0006	5	12/21/04	12/30/04	0.0129		
Nickel	6020	0.041	0.006	5	12/21/04	12/30/04	0.137		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.17		
Silver	6020	0.0041	0.0008	5	12/21/04	12/30/04	0.0046		
Thallium	6020	0.0041	0.0004	5	12/21/04	12/30/04	0.0005	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	11.0		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/05/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-015

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.010	0.001	5	12/21/04	12/30/04	0.002	B	
Arsenic	6020	0.101	0.006	5	12/21/04	12/30/04	0.559		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.004	B	
Chromium	6010B	0.10	0.06	1	12/21/04	1/9/05	0.10	U	
Cobalt	6020	0.0041	0.0004	5	12/21/04	12/30/04	0.0274		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	1.05		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.057		
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.024		
Molybdenum	6020	0.0101	0.0006	5	12/21/04	12/30/04	0.0109		
Nickel	6020	0.041	0.006	5	12/21/04	12/30/04	0.169		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.16		
Silver	6020	0.0041	0.0008	5	12/21/04	12/30/04	0.0036	B	
Thallium	6020	0.0041	0.0004	5	12/21/04	12/30/04	0.0006	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	B	
Zinc	6010B	0.20	0.06	1	12/21/04	1/9/05	11.2		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-016

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.010	0.001	5	12/21/04	12/30/04	0.002	B	
Arsenic	6020	0.104	0.006	5	12/21/04	12/30/04	0.611		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.003	B	
Chromium	6010B	0.10	0.06	1	12/21/04	1/9/05	0.06	B	
Cobalt	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0233		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.87		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.032		
Mercury	7471A	0.004	0.001	1	1/17/05	1/18/05	0.028		
Molybdenum	6020	0.0104	0.0006	5	12/21/04	12/30/04	0.0118		
Nickel	6020	0.042	0.006	5	12/21/04	12/30/04	0.163		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.19		
Silver	6020	0.0042	0.0008	5	12/21/04	12/30/04	0.0031	B	
Thallium	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0004	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	B	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	11.5		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-017

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.001	B	
Arsenic	6020	0.105	0.006	5	12/21/04	12/30/04	0.517		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.005		
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.11	U	
Cobalt	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0217		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.97		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.023		
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.034		
Molybdenum	6020	0.0105	0.0006	5	12/21/04	12/30/04	0.0092	B	
Nickel	6020	0.042	0.006	5	12/21/04	12/30/04	0.149		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.15		
Silver	6020	0.0042	0.0008	5	12/21/04	12/30/04	0.0035	B	
Thallium	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0042	U	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	11.1		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-018

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.011	U	
Arsenic	6020	0.105	0.006	5	12/21/04	12/30/04	0.387		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.004	B	
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.11	U	
Cobalt	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0195		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.78		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.022		
Mercury	7471A	0.004	0.001	1	1/17/05	1/18/05	0.034		
Molybdenum	6020	0.0105	0.0006	5	12/21/04	12/30/04	0.0097	B	
Nickel	6020	0.042	0.006	5	12/21/04	12/30/04	0.126		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.14		
Silver	6020	0.0042	0.0008	5	12/21/04	12/30/04	0.0027	B	
Thallium	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0042	U	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	12.8		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-019

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.011	U	
Arsenic	6020	0.105	0.006	5	12/21/04	12/30/04	0.533		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.004	B	
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.11	U	
Cobalt	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0254		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.84		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.023		
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.030		
Molybdenum	6020	0.0105	0.0006	5	12/21/04	12/30/04	0.0102	B	
Nickel	6020	0.042	0.006	5	12/21/04	12/30/04	0.168		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.15		
Silver	6020	0.0042	0.0008	5	12/21/04	12/30/04	0.0029	B	
Thallium	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0004	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	10.9		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-020

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.010	0.001	5	12/21/04	12/30/04	0.010	U	
Arsenic	6020	0.104	0.006	5	12/21/04	12/30/04	0.450		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.002	B	
Chromium	6010B	0.10	0.06	1	12/21/04	1/9/05	0.10	U	
Cobalt	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0215		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.72		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.018		
Mercury	7471A	0.004	0.001	1	1/17/05	1/18/05	0.030		
Molybdenum	6020	0.0104	0.0006	5	12/21/04	12/30/04	0.0096	B	
Nickel	6020	0.042	0.006	5	12/21/04	12/30/04	0.141		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.15		
Silver	6020	0.0042	0.0008	5	12/21/04	12/30/04	0.0021	B	
Thallium	6020	0.0042	0.0004	5	12/21/04	12/30/04	0.0004	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	9.95		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-021

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.010	0.001	5	12/21/04	12/30/04	0.002	B	
Arsenic	6020	0.097	0.006	5	12/21/04	12/30/04	0.425		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.003	B	
Chromium	6010B	0.10	0.06	1	12/21/04	1/9/05	0.09	B	
Cobalt	6020	0.0039	0.0004	5	12/21/04	12/30/04	0.0390		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.76		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.039		
Mercury	7471A	0.004	0.001	1	1/17/05	1/19/05	0.033		
Molybdenum	6020	0.0097	0.0006	5	12/21/04	12/30/04	0.0119		
Nickel	6020	0.039	0.006	5	12/21/04	12/30/04	0.198		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.15		
Silver	6020	0.0039	0.0008	5	12/21/04	12/30/04	0.0019	B	
Thallium	6020	0.0039	0.0004	5	12/21/04	12/30/04	0.0007	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	B	
Zinc	6010B	0.19	0.06	1	12/21/04	1/9/05	11.2		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409445-022

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.001	B	
Arsenic	6020	0.106	0.006	5	12/21/04	12/30/04	0.422		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.005		
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.11	U	
Cobalt	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0182		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.67		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.015		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.032		
Molybdenum	6020	0.0106	0.0006	5	12/21/04	12/30/04	0.0092	B	
Nickel	6020	0.043	0.006	5	12/21/04	12/30/04	0.142		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.23		
Silver	6020	0.0043	0.0008	5	12/21/04	12/30/04	0.0015	B	
Thallium	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0043	U	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	B	
Zinc	6010B	0.21	0.06	1	12/21/04	1/9/05	11.1		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental
 Project No.: 04-08-06-22
 Project Name: LDWG
 Matrix: TISSUE

Service Request: K2409445
 Date Collected: 08/30/04
 Date Received: 12/01/04
 Units: mg/kg
 Basis: Wet

Sample Name: LDW-T4-D-PS-WB-comp-2

Lab Code: K2409445-023

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.011	0.001	5	12/21/04	12/30/04	0.011	U	
Arsenic	6020	0.108	0.006	5	12/21/04	12/30/04	0.398		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.003	B	
Chromium	6010B	0.11	0.06	1	12/21/04	1/9/05	0.11	U	
Cobalt	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0231		
Copper	6020	0.02	0.02	5	12/21/04	12/30/04	0.68		
Lead	6020	0.004	0.002	5	12/21/04	12/30/04	0.015		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.027		
Molybdenum	6020	0.0108	0.0006	5	12/21/04	12/30/04	0.0083	B	
Nickel	6020	0.043	0.006	5	12/21/04	12/30/04	0.154		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.15		
Silver	6020	0.0043	0.0009	5	12/21/04	12/30/04	0.0019	B	
Thallium	6020	0.0043	0.0004	5	12/21/04	12/30/04	0.0005	B	
Vanadium	6010B	0.2	0.2	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.22	0.06	1	12/21/04	1/9/05	10.4		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: 09/07/04

Project Name: LDWG

Date Received: 12/01/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-E-PS-WB-comp-1

Lab Code: K2409445-024

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.010	0.001	5	12/21/04	12/30/04	0.010	U	
Arsenic	6020	0.102	0.006	5	12/21/04	12/30/04	0.364		
Cadmium	6020	0.004	0.001	5	12/21/04	12/30/04	0.004	B	
Chromium	6010B	0.10	0.06	1	12/21/04	1/9/05	0.10	U	
Cobalt	6020	0.0041	0.0004	5	12/21/04	12/30/04	0.0208		
Copper	6020	0.02	0.01	5	12/21/04	12/30/04	0.75		
Lead	6020	0.004	0.001	5	12/21/04	12/30/04	0.012		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.025		
Molybdenum	6020	0.0102	0.0006	5	12/21/04	12/30/04	0.0110		
Nickel	6020	0.041	0.006	5	12/21/04	12/30/04	0.158		
Selenium	7742	0.02	0.01	2	12/21/04	1/7/05	0.16		
Silver	6020	0.0041	0.0008	5	12/21/04	12/30/04	0.0020	B	
Thallium	6020	0.0041	0.0004	5	12/21/04	12/30/04	0.0005	B	
Vanadium	6010B	0.2	0.1	1	12/21/04	1/9/05	0.2	U	
Zinc	6010B	0.20	0.06	1	12/21/04	1/9/05	11.3		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: NA

Project Name: LDWG

Date Received: NA

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: Method Blank

Lab Code: K2409445-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.015	0.002	5	12/21/04	12/30/04	0.015	U	
Arsenic	6020	0.150	0.009	5	12/21/04	12/30/04	0.150	U	
Cadmium	6020	0.006	0.002	5	12/21/04	12/30/04	0.002	B	
Chromium	6010B	0.15	0.09	1	12/21/04	1/9/05	0.15	U	
Cobalt	6020	0.0060	0.0006	5	12/21/04	12/30/04	0.0060	U	
Copper	6020	0.03	0.02	5	12/21/04	12/30/04	0.03	U	
Lead	6020	0.006	0.002	5	12/21/04	12/30/04	0.006	U	
Mercury	7471A	0.004	0.002	1	1/17/05	1/18/05	0.004	U	
Molybdenum	6020	0.0150	0.0009	5	12/21/04	12/30/04	0.0018	B	
Nickel	6020	0.060	0.009	5	12/21/04	12/30/04	0.024	B	
Selenium	7742	0.03	0.02	2	12/21/04	1/7/05	0.03	U	
Silver	6020	0.0060	0.0012	5	12/21/04	12/30/04	0.0060	U	
Thallium	6020	0.0060	0.0006	5	12/21/04	12/30/04	0.0060	U	
Vanadium	6010B	0.3	0.2	1	12/21/04	1/9/05	0.3	U	
Zinc	6010B	0.30	0.09	1	12/21/04	1/9/05	0.30	U	

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409445

Project No.: 04-08-06-22

Date Collected: NA

Project Name: LDWG

Date Received: NA

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: Method Blank

Lab Code: K2409445-MB2

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.015	0.002	5	12/21/04	12/30/04	0.015	U	
Arsenic	6020	0.150	0.009	5	12/21/04	12/30/04	0.150	U	
Cadmium	6020	0.006	0.002	5	12/21/04	12/30/04	0.002	B	
Chromium	6010B	0.15	0.09	1	12/21/04	1/9/05	0.15	U	
Cobalt	6020	0.0060	0.0006	5	12/21/04	12/30/04	0.0060	U	
Copper	6020	0.03	0.02	5	12/21/04	12/30/04	0.03	U	
Lead	6020	0.006	0.002	5	12/21/04	12/30/04	0.006	U	
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.004	U	
Molybdenum	6020	0.0150	0.0009	5	12/21/04	12/30/04	0.0150	U	
Nickel	6020	0.060	0.009	5	12/21/04	12/30/04	0.050	B	
Selenium	7742	0.03	0.02	2	12/21/04	1/7/05	0.03	U	
Silver	6020	0.0060	0.0012	5	12/21/04	12/30/04	0.0060	U	
Thallium	6020	0.0060	0.0006	5	12/21/04	12/30/04	0.0060	U	
Vanadium	6010B	0.3	0.2	1	12/21/04	1/9/05	0.3	U	
Zinc	6010B	0.30	0.09	1	12/21/04	1/9/05	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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/04
Date Analyzed: 12/30-1/9/05

Laboratory Control Sample Summary
 Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K2409445-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	18.3	102	13.5-22.9	
Chromium	PSEP Tissue	6010B	34.7	31.4	90	23.4-48.2	
Cobalt	PSEP Tissue	6020	0.182	0.167	92	0.121-0.256	
Copper	PSEP Tissue	6020	2.34	2.00	85	1.74-3.00	
Lead	PSEP Tissue	6020	0.065	0.052	80	0.020-0.091	
Nickel	PSEP Tissue	6020	19.4	16.2	84	13.0-27.0	
Silver	PSEP Tissue	6020	0.041	0.041	100	0.0224-0.0648	
Zinc	PSEP Tissue	6010B	25.6	25.4	99	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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/04-1/17/05
Date Analyzed: 12/30-1/18/05

Laboratory Control Sample Summary
 Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K2409445-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	10.1	99	7.76-12.8	
Cadmium	PSEP Tissue	6020	19.4	19.7	102	15.0-24.0	
Copper	PSEP Tissue	6020	31.2	31.7	102	24.2-38.6	
Lead	PSEP Tissue	6020	0.319	0.317	99	0.219-0.437	
Mercury	METHOD	7471A	3.37	3.32	99	2.58-4.21	
Nickel	PSEP Tissue	6020	2.72	3.58	132	1.90-3.68	
Selenium	PSEP Tissue	7740	7.06	8.9	126	5.26-9.05	
Silver	PSEP Tissue	6020	1.2	1.25	104	0.90-1.52	
Zinc	PSEP Tissue	6010B	86.6	103.3	119	67.4-107	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/04
Date Analyzed: 12/30-1/9/05

Laboratory Control Sample Summary
 Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K2409445-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	18.9	105	13.5-22.9	
Chromium	PSEP Tissue	6010B	34.7	31.1	90	23.4-48.2	
Cobalt	PSEP Tissue	6020	0.182	0.182	100	0.121-0.256	
Copper	PSEP Tissue	6020	2.34	2.08	89	1.74-3.00	
Lead	PSEP Tissue	6020	0.065	0.054	83	0.020-0.091	
Nickel	PSEP Tissue	6020	19.4	16.5	85	13.0-27.0	
Silver	PSEP Tissue	6020	0.041	0.038	93	0.0224-0.0648	
Zinc	PSEP Tissue	6010B	25.6	25.4	99	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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/21/04-1/17/05
Date Analyzed: 12/30-1/19/05

Laboratory Control Sample Summary
Total Metals

Sample Name: Laboratory Control Sample
Lab Code: K2409445-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	9.42	92	7.76-12.8	
Cadmium	PSEP Tissue	6020	19.4	19.2	99	15.0-24.0	
Copper	PSEP Tissue	6020	31.2	28.4	91	24.2-38.6	
Lead	PSEP Tissue	6020	0.319	0.301	94	0.219-0.437	
Mercury	METHOD	7471A	3.37	2.86	85	2.58-4.21	
Nickel	PSEP Tissue	6020	2.72	3.23	119	1.90-3.68	
Selenium	PSEP Tissue	7740	7.06	7.25	103	5.26-9.05	
Silver	PSEP Tissue	6020	1.2	1.17	98	0.90-1.52	
Zinc	PSEP Tissue	6010B	86.6	94.6	109	67.4-107	

Butyltins

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T1-A-PS-WB-comp-1
Lab Code: K2409445-001
File ID: J:\GC26\DATA\121704\1217F008.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
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	34		1.0	0.33	
1002-53-5	Di-n-butyltin	9.0		1.0	0.35	
2406-65-7	n-Butyltin	0.44	J	1.0	0.38	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	69	20-130	12/17/04	Acceptable

Comments:

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T1-B-PS-WB-comp-1
Lab Code: K2409445-002
File ID: J:\GC26\DATA\121704\1217F009.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.02 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	40		1.0	0.33	
1002-53-5	Di-n-butyltin	7.4		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	71	20-130	12/17/04	Acceptable

Comments:

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T1-C-PS-WB-comp-1
Lab Code: K2409445-003
File ID: J:\GC26\DATA\121704\1217F010.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.05 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	29		1.0	0.33	
1002-53-5	Di-n-butyltin	3.6		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	62	20-130	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T1-D-PS-WB-comp-1
Lab Code: K2409445-004
File ID: J:\GC26\DATA\121704\1217F011.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.01 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	27		1.0	0.33	
1002-53-5	Di-n-butyltin	2.8		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	74	20-130	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T1-E-PS-WB-comp-1
Lab Code: K2409445-005
File ID: J:\GC26\DATA\121704\1217F012.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.08 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	36		1.0	0.33	
1002-53-5	Di-n-butyltin	4.2		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	71	20-130	12/17/04	Acceptable

Comments:

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T1-F-PS-WB-comp-1
Lab Code: K2409445-006
File ID: J:\GC26\DATA\121704\1217F013.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.10 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	30		1.0	0.33	
1002-53-5	Di-n-butyltin	3.4		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	62	20-130	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T2-A-PS-WB-comp-1
Lab Code: K2409445-007
File ID: J:\GC26\DATA\121704\1217F014.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.03 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	32		1.0	0.33	
1002-53-5	Di-n-butyltin	4.1		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	66	20-130	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/06/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T2-B-PS-WB-comp-1
Lab Code: K2409445-008
File ID: J:\GC26\DATA\121704\1217F015.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
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	26		1.0	0.33	
1002-53-5	Di-n-butyltin	3.1		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	68	20-130	12/17/04	Acceptable

Comments:

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T2-C-PS-WB-comp-1
Lab Code: K2409445-009
File ID: J:\GC26\DATA\121704\1217F016.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.08 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	27		1.0	0.33	
1002-53-5	Di-n-butyltin	4.4		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	70	20-130	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T2-D-PS-WB-comp-1
Lab Code: K2409445-010
File ID: J:\GC26\DATA\121704\1217F020.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.03 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	1.0 U	1.0	0.38	
688-73-3	Tri-n-butyltin	35	1.0	0.33	
1002-53-5	Di-n-butyltin	5.2	1.0	0.35	
2406-65-7	n-Butyltin	0.49 J	1.0	0.38	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	75	20-130	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T2-E-PS-WB-comp-1
Lab Code: K2409445-011
File ID: J:\GC26\DATA\121704\1217F021.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.10 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	39		1.0	0.33	
1002-53-5	Di-n-butyltin	3.8		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	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: LDW-T2-F-PS-WB-comp-1
Lab Code: K2409445-012
File ID: J:\GC26\DATA\121704\1217F022.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.01 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	33		1.0	0.33	
1002-53-5	Di-n-butyltin	3.0		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	84	20-130	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T3-A-PS-WB-comp-1
Lab Code: K2409445-013
File ID: J:\GC26\DATA\121704\1217F023.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.02 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	29		1.0	0.33	
1002-53-5	Di-n-butyltin	4.3		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	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T3-B-PS-WB-comp-1
Lab Code: K2409445-014
File ID: J:\GC26\DATA\121704\1217F024.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.02 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	25		1.0	0.33	
1002-53-5	Di-n-butyltin	3.5		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	77	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: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T3-C-PS-WB-comp-1
Lab Code: K2409445-015
File ID: J:\GC26\DATA\121704\1217F025.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.03 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	27		1.0	0.33	
1002-53-5	Di-n-butyltin	3.5		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	72	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T3-D-PS-WB-comp-1
Lab Code: K2409445-016
File ID: J:\GC26\DATA\121704\1217F026.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.04 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	28		1.0	0.33	
1002-53-5	Di-n-butyltin	4.1		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	73	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T3-E-PS-WB-comp-1
Lab Code: K2409445-017
File ID: J:\GC26\DATA\121704\1217F027.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.04 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	28		1.0	0.33	
1002-53-5	Di-n-butyltin	2.5		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	74	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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T3-F-PS-WB-comp-1
Lab Code: K2409445-018
File ID: J:\GC26\DATA\121704\1217F028.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.03 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	26		1.0	0.33	
1002-53-5	Di-n-butyltin	2.7		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	74	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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T4-A-PS-WB-comp-1
Lab Code: K2409445-019
File ID: J:\GC26\DATA\121704\1217F029.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.05 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	26		1.0	0.33	
1002-53-5	Di-n-butyltin	2.5		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	77	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: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T4-B-PS-WB-comp-1
Lab Code: K2409445-020
File ID: J:\GC26\DATA\121704\1217F033.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.01 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	23		1.0	0.33	
1002-53-5	Di-n-butyltin	2.2		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	68	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: K2409445
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-T4-C-PS-WB-comp-1
Lab Code: K2409445-021
File ID: J:\GC26\DATA\121704\1217F047.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: 10.02 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	25		1.0	0.33	
1002-53-5	Di-n-butyltin	2.6		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	71	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: K2409445
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-T4-D-PS-WB-comp-1
Lab Code: K2409445-022
File ID: J:\GC26\DATA\121704\1217F048.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: 10.02 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	29		1.0	0.33	
1002-53-5	Di-n-butyltin	2.6		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	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: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T4-D-PS-WB-comp-2
Lab Code: K2409445-023
File ID: J:\GC26\DATA\121704\1217F052.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	65	E	1.0	0.38	
688-73-3	Tri-n-butyltin	80	E	1.0	0.33	
1002-53-5	Di-n-butyltin	100	E	1.0	0.35	
2406-65-7	n-Butyltin	27		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: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 01/04/2005

Butyltins (as cation)

Sample Name: LDW-T4-D-PS-WB-comp-2DL
Lab Code: K2409445-023
File ID: J:\GC26\DATA\010405\0104F004.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: 10

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	66	D	10	3.8	
688-73-3	Tri-n-butyltin	80	D	10	3.3	
1002-53-5	Di-n-butyltin	110	D	10	3.5	
2406-65-7	n-Butyltin	26	D	10	3.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	33	20-130	01/04/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 09/07/2004
Date Received: 12/01/2004
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T4-E-PS-WB-comp-1
Lab Code: K2409445-024
File ID: J:\GC26\DATA\121704\1217F053.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: 10.05 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	27		1.0	0.33	
1002-53-5	Di-n-butyltin	2.6		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	79	20-130	12/18/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/14/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: LDW-T4-B-PS-WB-comp-1DUP
Lab Code: KWG0419734-1
File ID: J:\GC26\DATA\121704\1217F034.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.04 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	1.0	U	1.0	0.38	
688-73-3	Tri-n-butyltin	23		1.0	0.33	
1002-53-5	Di-n-butyltin	2.0		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	61	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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: Batch QCDUP
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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: Method Blank
Lab Code: KWG0419734-4
File ID: J:\GC26\DATA\121704\1217F004.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.08 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	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/15/2004
Date Analyzed: 12/18/2004

Butyltins (as cation)

Sample Name: Batch QC
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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: Lab Control Sample
Lab Code: KWG0419734-2
File ID: J:\GC26\DATA\121704\1217F005.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.08 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	14.9		1.0	0.38	
688-73-3	Tri-n-butyltin	14.2		1.0	0.33	
1002-53-5	Di-n-butyltin	12.5		1.0	0.35	
2406-65-7	n-Butyltin	6.05		1.0	0.38	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	62	20-130	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Butyltins (as cation)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419734-3
File ID: J:\GC26\DATA\121704\1217F006.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Sample Amount: 10.08 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	16.4		1.0	0.38	
688-73-3	Tri-n-butyltin	15.4		1.0	0.33	
1002-53-5	Di-n-butyltin	13.6		1.0	0.35	
2406-65-7	n-Butyltin	6.55		1.0	0.38	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	64	20-130	12/17/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
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: K2409445
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.

QA/QC Report

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/14/2004
Date Analyzed: 12/17/2004

Standard Reference Material
Butyltins (as cation)

Sample Name: CRM 477
Lab Code: KWG0419734-5
File ID: J:\GC26\DATA\121704\1217F007.D
Instrument ID:

Units: ug/Kg
Basis: Wet

Extraction Method: Method
Analysis Method: Krone

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Column1: RTX-1
Column2: RTX-35

Sample Amount: 1.02 g
% Solids: NA
Dilution Factor: 5

Analyte Name	True Value	Result	CAS Advisory Limits	Note
Tri-n-butyltin	2200 ± 190	1400	1000-3600	
Di-n-butyltin	1540 ± 120	1000	710-2500	
n-Butyltin	1500 ± 280	1500	610-2700	

Comments:

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/14/2004
Date Analyzed: 12/18/2004

Standard Reference Material
Butyltins (as cation)

Sample Name: CRM 477
Lab Code: KWG0419735-5
File ID: J:\GC26\DATA\121704\1217F046.D
Instrument ID:

Units: ug/Kg
Basis: Wet

Extraction Method: Method
Analysis Method: Krone

Extraction Lot: KWG0419734
Calibration ID: CAL3996

Column1: RTX-1
Column2: RTX-35

Sample Amount: 1.06 g
% Solids: NA
Dilution Factor: 5

Analyte Name	True Value	Result	CAS Advisory Limits	Note
Tri-n-butyltin	2200 ± 190	1300	1000-3600	
Di-n-butyltin	1540 ± 120	1000	710-2500	
n-Butyltin	1500 ± 280	1400	610-2700	

Comments:

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: K2409445
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-A-PS-WB-comp-1
 Lab Code: K2409445-001
 File ID: J:\GC23\DATA\122304\1223F078.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 Calibration ID: CAL4079

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	1.0 Ui	1.0	1.0	
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 Ui	1.0	0.76	
309-00-2	Aldrin	1.0 Ui	1.0	1.0	
1024-57-3	Heptachlor Epoxide	1.0 Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	6.2	1.0	0.14	
959-98-8	Endosulfan I	1.3 P	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	1.0 Ui	1.0	0.99	
72-55-9	4,4'-DDE	4.3 P	1.0	0.12	
72-20-8	Endrin	1.0 Ui	1.0	1.0	
33213-65-9	Endosulfan II	4.7 P	1.0	0.35	
72-54-8	4,4'-DDD	2.0	1.0	0.13	*
7421-93-4	Endrin Aldehyde	1.2 P	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	12 P	1.0	0.38	
53494-70-5	Endrin Ketone	1.1 Ui	1.1	1.1	
72-43-5	Methoxychlor	1.0 Ui	1.0	1.0	
8001-35-2	Toxaphene	190 Ui	190	190	
3424-82-6	2,4'-DDE	1.8 Ui	1.8	1.8	
53-19-0	2,4'-DDD	2.4 Ui	2.4	2.4	
789-02-6	2,4'-DDT	19	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-A-PS-WB-comp-1
Lab Code: K2409445-001
File ID: J:\GC23\DATA\122304\1223F078.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	78	30-150	12/25/04	Acceptable
Decachlorobiphenyl	76	30-150	12/25/04	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: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-B-PS-WB-comp-1
Lab Code: K2409445-002
File ID: J:\GC23\DATA\122304\1223F079.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	0.81	
319-84-6	alpha-BHC	1.0 U	1.0	0.16	
319-85-7	beta-BHC	0.27 J	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	0.66	
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†	5.5	1.0	0.14	
959-98-8	Endosulfan I	1.1 P	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	1.0 Ui	1.0	0.82	
72-55-9	4,4'-DDE	3.9 P	1.0	0.12	
72-20-8	Endrin	1.0 Ui	1.0	1.0	
33213-65-9	Endosulfan II	1.1 Ui	1.1	1.1	
72-54-8	4,4'-DDD	2.0	1.0	0.13	*
7421-93-4	Endrin Aldehyde	1.3 P	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	11 P	1.0	0.38	
53494-70-5	Endrin Ketone	1.2 Ui	1.2	1.2	
72-43-5	Methoxychlor	1.0 U	1.0	0.27	
8001-35-2	Toxaphene	160 Ui	160	160	
3424-82-6	2,4'-DDE	1.9 Ui	1.9	1.9	
53-19-0	2,4'-DDD	2.9 Ui	2.9	2.9	
789-02-6	2,4'-DDT	21	1.0	0.22	
2385-85-5	Mirex	1.0 Ui	1.0	0.71	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-B-PS-WB-comp-1
Lab Code: K2409445-002
File ID: J:\GC23\DATA\122304\1223F079.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	61	30-150	12/25/04	Acceptable
Decachlorobiphenyl	78	30-150	12/25/04	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-C-PS-WB-comp-1
Lab Code: K2409445-003
File ID: J:\GC23\DATA\122304\1223F080.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	0.61	
319-84-6	alpha-BHC	1.0	Ui	1.0	1.0	
319-85-7	beta-BHC	1.0	Ui	1.0	0.78	
58-89-9	gamma-BHC (Lindane)	1.0	U	1.0	0.28	
319-86-8	delta-BHC	1.0	Ui	1.0	1.0	
76-44-8	Heptachlor	1.0	Ui	1.0	1.0	
309-00-2	Aldrin	1.0	Ui	1.0	1.0	
1024-57-3	Heptachlor Epoxide	1.0	Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	8.8		1.0	0.14	
959-98-8	Endosulfan I	1.5	P	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0	U	1.0	0.36	
60-57-1	Dieldrin	1.9	Ui	1.9	1.9	
72-55-9	4,4'-DDE	4.5	P	1.0	0.12	
72-20-8	Endrin	1.6	Ui	1.6	1.6	
33213-65-9	Endosulfan II	6.4	P	1.0	0.35	
72-54-8	4,4'-DDD	2.1	P	1.0	0.13	*
7421-93-4	Endrin Aldehyde	1.0	Ui	1.0	1.0	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	22		1.0	0.38	
53494-70-5	Endrin Ketone	1.1	Ui	1.1	1.1	
72-43-5	Methoxychlor	1.0	Ui	1.0	1.0	
8001-35-2	Toxaphene	330	Ui	330	330	
3424-82-6	2,4'-DDE	1.1	Ui	1.1	1.1	
53-19-0	2,4'-DDD	4.6	Ui	4.6	4.6	
789-02-6	2,4'-DDT	35	P	1.0	0.22	
2385-85-5	Mirex	1.0	U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-C-PS-WB-comp-1
Lab Code: K2409445-003
File ID: J:\GC23\DATA\122304\1223F080.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	69	30-150	12/25/04	Acceptable
Decachlorobiphenyl	84	30-150	12/25/04	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: K2409445
 Date Collected: 08/05/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-D-PS-WB-comp-1
 Lab Code: K2409445-004
 File ID: J:\GC23\DATA\122304\1223F081.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 Calibration ID: CAL4079

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	0.82	
319-84-6	alpha-BHC	1.0	U	1.0	0.16	
319-85-7	beta-BHC	0.57	JP	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	1.1	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†	6.0		1.0	0.14	
959-98-8	Endosulfan I	1.5	P	1.0	0.13	
5103-71-9	alpha-Chlordane	1.2	P	1.0	0.36	
60-57-1	Dieldrin	1.0	Ui	1.0	0.65	
72-55-9	4,4'-DDE	5.2	P	1.0	0.12	
72-20-8	Endrin	2.0	Ui	2.0	2.0	
33213-65-9	Endosulfan II	2.0	Ui	2.0	2.0	
72-54-8	4,4'-DDD	2.8		1.0	0.13	*
7421-93-4	Endrin Aldehyde	1.7	Ui	1.7	1.7	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	20	P	1.0	0.38	
53494-70-5	Endrin Ketone	1.6	Ui	1.6	1.6	
72-43-5	Methoxychlor	1.0	Ui	1.0	1.0	
8001-35-2	Toxaphene	210	Ui	210	210	
3424-82-6	2,4'-DDE	4.0	Ui	4.0	4.0	
53-19-0	2,4'-DDD	3.8	Ui	3.8	3.8	
789-02-6	2,4'-DDT	31		1.0	0.22	
2385-85-5	Mirex	1.0	U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-D-PS-WB-comp-1
Lab Code: K2409445-004
File ID: J:\GC23\DATA\122304\1223F081.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	67	30-150	12/25/04	Acceptable
Decachlorobiphenyl	83	30-150	12/25/04	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: K2409445
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-E-PS-WB-comp-1
 Lab Code: K2409445-005
 File ID: J:\GC23\DATA\122304\1223F082.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 Calibration ID: CAL4079

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	Ui	1.0	0.95	
319-84-6	alpha-BHC	1.0	Ui	1.0	0.78	
319-85-7	beta-BHC	0.42	J	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	1.0	
309-00-2	Aldrin	1.0	Ui	1.0	1.0	
1024-57-3	Heptachlor Epoxide	1.0	Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	9.6		1.0	0.14	
959-98-8	Endosulfan I	1.1	Ui	1.1	1.1	
5103-71-9	alpha-Chlordane	1.3		1.0	0.36	
60-57-1	Dieldrin	1.4	Ui	1.4	1.4	
72-55-9	4,4'-DDE	4.6	P	1.0	0.12	
72-20-8	Endrin	1.0	Ui	1.0	1.0	
33213-65-9	Endosulfan II	1.9	Ui	1.9	1.9	
72-54-8	4,4'-DDD	2.1		1.0	0.13	*
7421-93-4	Endrin Aldehyde	1.8	Ui	1.8	1.8	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	21	P	1.0	0.38	
53494-70-5	Endrin Ketone	1.6	Ui	1.6	1.6	
72-43-5	Methoxychlor	1.0	Ui	1.0	1.0	
8001-35-2	Toxaphene	260	Ui	260	260	
3424-82-6	2,4'-DDE	1.7	Ui	1.7	1.7	
53-19-0	2,4'-DDD	4.7	Ui	4.7	4.7	
789-02-6	2,4'-DDT	33		1.0	0.22	
2385-85-5	Mirex	1.0	U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-E-PS-WB-comp-1
Lab Code: K2409445-005
File ID: J:\GC23\DATA\122304\1223F082.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	66	30-150	12/25/04	Acceptable
Decachlorobiphenyl	84	30-150	12/25/04	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-F-PS-WB-comp-1
Lab Code: K2409445-006
File ID: J:\GC23\DATA\122304\1223F083.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	1.1 Ui	1.1	1.1	
319-84-6	alpha-BHC	0.20 JP	1.0	0.16	
319-85-7	beta-BHC	0.32 J	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.0 Ui	1.0	0.42	
319-86-8	delta-BHC	1.0 U	1.0	0.34	
76-44-8	Heptachlor	1.6 Ui	1.6	1.6	
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†	11	1.0	0.14	
959-98-8	Endosulfan I	1.0 Ui	1.0	0.73	
5103-71-9	alpha-Chlordane	1.8 P	1.0	0.36	
60-57-1	Dieldrin	1.0 Ui	1.0	1.0	
72-55-9	4,4'-DDE	6.9	1.0	0.12	
72-20-8	Endrin	1.0 Ui	1.0	1.0	
33213-65-9	Endosulfan II	1.4 Ui	1.4	1.4	
72-54-8	4,4'-DDD	2.6	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	25	1.0	0.38	
53494-70-5	Endrin Ketone	1.5 Ui	1.5	1.5	
72-43-5	Methoxychlor	1.2 Ui	1.2	1.2	
8001-35-2	Toxaphene	250 Ui	250	250	
3424-82-6	2,4'-DDE	1.8 Ui	1.8	1.8	
53-19-0	2,4'-DDD	4.5 Ui	4.5	4.5	
789-02-6	2,4'-DDT	37 P	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T1-F-PS-WB-comp-1
Lab Code: K2409445-006
File ID: J:\GC23\DATA\122304\1223F083.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	64	30-150	12/25/04	Acceptable
Decachlorobiphenyl	85	30-150	12/25/04	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-A-PS-WB-comp-1
Lab Code: K2409445-007
File ID: J:\GC23\DATA\122304\1223F091.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	0.95	
319-84-6	alpha-BHC	1.0	U	1.0	0.16	
319-85-7	beta-BHC	1.0	Ui	1.0	0.32	
58-89-9	gamma-BHC (Lindane)	1.0	Ui	1.0	0.52	
319-86-8	delta-BHC	1.0	U	1.0	0.34	
76-44-8	Heptachlor	2.4	P	1.0	0.45	
309-00-2	Aldrin	1.0	Ui	1.0	1.0	
1024-57-3	Heptachlor Epoxide	1.0	Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	5.9		1.0	0.14	
959-98-8	Endosulfan I	1.0	Ui	1.0	0.93	
5103-71-9	alpha-Chlordane	1.0	Ui	1.0	1.0	
60-57-1	Dieldrin	1.2	Ui	1.2	1.2	
72-55-9	4,4'-DDE	4.8	P	1.0	0.12	
72-20-8	Endrin	1.4	Ui	1.4	1.4	
33213-65-9	Endosulfan II	6.1	P	1.0	0.35	
72-54-8	4,4'-DDD	2.8		1.0	0.13	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	15	P	1.0	0.38	
53494-70-5	Endrin Ketone	0.60	J	1.0	0.29	
72-43-5	Methoxychlor	1.0	U	1.0	0.27	
8001-35-2	Toxaphene	330	Ui	330	330	
3424-82-6	2,4'-DDE	2.5	Ui	2.5	2.5	
53-19-0	2,4'-DDD	3.7	Ui	3.7	3.7	
789-02-6	2,4'-DDT	24		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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-A-PS-WB-comp-1
Lab Code: K2409445-007
File ID: J:\GC23\DATA\122304\1223F091.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	79	30-150	12/25/04	Acceptable
Decachlorobiphenyl	91	30-150	12/25/04	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: K2409445
 Date Collected: 08/06/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-B-PS-WB-comp-1
 Lab Code: K2409445-008
 File ID: J:\GC23\DATA\122304\1223F093.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 Calibration ID: CAL4079

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	1.2 Ui	1.2	1.2	
319-84-6	alpha-BHC	1.0 Ui	1.0	0.18	
319-85-7	beta-BHC	1.0 U	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.0 Ui	1.0	1.0	
319-86-8	delta-BHC	1.0 U	1.0	0.34	
76-44-8	Heptachlor	1.4 Ui	1.4	1.4	
309-00-2	Aldrin	1.0 Ui	1.0	1.0	
1024-57-3	Heptachlor Epoxide	1.0 Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	7.5	1.0	0.14	
959-98-8	Endosulfan I	1.0 Ui	1.0	0.70	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	1.3 Ui	1.3	1.3	
72-55-9	4,4'-DDE	4.1 P	1.0	0.12	
72-20-8	Endrin	1.5 Ui	1.5	1.5	
33213-65-9	Endosulfan II	1.8 Ui	1.8	1.8	
72-54-8	4,4'-DDD	2.6	1.0	0.13	
7421-93-4	Endrin Aldehyde	1.7 Ui	1.7	1.7	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	20 Ui	20	20	
53494-70-5	Endrin Ketone	1.0 Ui	1.0	1.0	
72-43-5	Methoxychlor	1.0 Ui	1.0	1.0	
8001-35-2	Toxaphene	320 Ui	320	320	
3424-82-6	2,4'-DDE	1.8 Ui	1.8	1.8	
53-19-0	2,4'-DDD	3.0 Ui	3.0	3.0	
789-02-6	2,4'-DDT	26	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: K2409445
Date Collected: 08/06/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-B-PS-WB-comp-1
Lab Code: K2409445-008
File ID: J:\GC23\DATA\122304\1223F093.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	71	30-150	12/25/04	Acceptable
Decachlorobiphenyl	95	30-150	12/25/04	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: K2409445
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-C-PS-WB-comp-1
 Lab Code: K2409445-009
 File ID: J:\GC23\DATA\122304\1223F094.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 Calibration ID: CAL4079

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	1.1 Ui	1.1	1.1	
319-84-6	alpha-BHC	1.0 U	1.0	0.16	
319-85-7	beta-BHC	1.0	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 Ui	1.0	1.0	
1024-57-3	Heptachlor Epoxide	1.0 Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	6.6	1.0	0.14	
959-98-8	Endosulfan I	1.0 Ui	1.0	1.0	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	1.0 Ui	1.0	0.83	
72-55-9	4,4'-DDE	3.8 P	1.0	0.12	
72-20-8	Endrin	1.1 Ui	1.1	1.1	
33213-65-9	Endosulfan II	5.7 P	1.0	0.35	
72-54-8	4,4'-DDD	1.9	1.0	0.13	
7421-93-4	Endrin Aldehyde	1.4 Ui	1.4	1.4	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	15 P	1.0	0.38	
53494-70-5	Endrin Ketone	1.0 Ui	1.0	1.0	
72-43-5	Methoxychlor	1.1 Ui	1.1	1.1	
8001-35-2	Toxaphene	260 Ui	260	260	
3424-82-6	2,4'-DDE	1.0 Ui	1.0	1.0	
53-19-0	2,4'-DDD	2.6 Ui	2.6	2.6	
789-02-6	2,4'-DDT	23	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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-C-PS-WB-comp-1
Lab Code: K2409445-009
File ID: J:\GC23\DATA\122304\1223F094.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	68	30-150	12/25/04	Acceptable
Decachlorobiphenyl	88	30-150	12/25/04	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: K2409445
 Date Collected: 08/05/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-D-PS-WB-comp-1
 Lab Code: K2409445-010
 File ID: J:\GC23\DATA\122304\1223F095.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 Calibration ID: CAL4079

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	1.0 Ui	1.0	0.83	
319-84-6	alpha-BHC	1.0 Ui	1.0	1.0	
319-85-7	beta-BHC	1.0 Ui	1.0	0.83	
58-89-9	gamma-BHC (Lindane)	1.0 Ui	1.0	0.57	
319-86-8	delta-BHC	1.0 U	1.0	0.34	
76-44-8	Heptachlor	1.7 Ui	1.7	1.7	
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†	6.9	1.0	0.14	
959-98-8	Endosulfan I	1.0 Ui	1.0	0.85	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	1.0 Ui	1.0	0.72	
72-55-9	4,4'-DDE	3.4 P	1.0	0.12	
72-20-8	Endrin	1.2 Ui	1.2	1.2	
33213-65-9	Endosulfan II	1.1 Ui	1.1	1.1	
72-54-8	4,4'-DDD	2.1	1.0	0.13	
7421-93-4	Endrin Aldehyde	1.7 Ui	1.7	1.7	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	15 P	1.0	0.38	
53494-70-5	Endrin Ketone	1.0 Ui	1.0	1.0	
72-43-5	Methoxychlor	1.0 U	1.0	0.27	
8001-35-2	Toxaphene	300 Ui	300	300	
3424-82-6	2,4'-DDE	1.1 Ui	1.1	1.1	
53-19-0	2,4'-DDD	3.1 Ui	3.1	3.1	
789-02-6	2,4'-DDT	24	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: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-D-PS-WB-comp-1
Lab Code: K2409445-010
File ID: J:\GC23\DATA\122304\1223F095.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	68	30-150	12/25/04	Acceptable
Decachlorobiphenyl	87	30-150	12/25/04	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-E-PS-WB-comp-1
Lab Code: K2409445-011
File ID: J:\GC23\DATA\122304\1223F096.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	1.2 Ui	1.2	1.2	
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†	15	1.0	0.14	
959-98-8	Endosulfan I	1.0 Ui	1.0	1.0	
5103-71-9	alpha-Chlordane	1.0 Ui	1.0	1.0	
60-57-1	Dieldrin	1.5 Ui	1.5	1.5	
72-55-9	4,4'-DDE	21 P	1.0	0.12	
72-20-8	Endrin	3.3 Ui	3.3	3.3	
33213-65-9	Endosulfan II	13 Ui	13	13	
72-54-8	4,4'-DDD	4.7	1.0	0.13	
7421-93-4	Endrin Aldehyde	3.1 Ui	3.1	3.1	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	37	1.0	0.38	
53494-70-5	Endrin Ketone	1.0 Ui	1.0	0.84	
72-43-5	Methoxychlor	1.0 U	1.0	0.27	
8001-35-2	Toxaphene	380 Ui	380	380	
3424-82-6	2,4'-DDE	1.0 Ui	1.0	1.0	
53-19-0	2,4'-DDD	6.6 Ui	6.6	6.6	
789-02-6	2,4'-DDT	55 PE	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-E-PS-WB-comp-1
Lab Code: K2409445-011
File ID: J:\GC23\DATA\122304\1223F096.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	68	30-150	12/25/04	Acceptable
Decachlorobiphenyl	93	30-150	12/25/04	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: K2409445
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T2-E-PS-WB-comp-1DL
 Lab Code: K2409445-011
 File ID: J:\GC23\DATA\011005\0110F071.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 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	U	5.0	1.0	
1024-57-3	Heptachlor Epoxide	14	Ui	14	14	
5103-74-2	gamma-Chlordane†	18	D	5.0	0.70	
959-98-8	Endosulfan I	5.0	Ui	5.0	3.5	
5103-71-9	alpha-Chlordane	5.0	U	5.0	1.8	
60-57-1	Dieldrin	5.0	Ui	5.0	2.0	
72-55-9	4,4'-DDE	29	PD	5.0	0.60	
72-20-8	Endrin	5.0	Ui	5.0	4.1	
33213-65-9	Endosulfan II	14	Ui	14	14	
72-54-8	4,4'-DDD	7.3	D	5.0	0.65	
7421-93-4	Endrin Aldehyde	6.7	Ui	6.7	6.7	
1031-07-8	Endosulfan Sulfate	5.0	U	5.0	1.4	
50-29-3	4,4'-DDT	46	D	5.0	1.9	
53494-70-5	Endrin Ketone	36	Ui	36	36	
72-43-5	Methoxychlor	12	Ui	12	12	
8001-35-2	Toxaphene	710	Ui	710	710	
3424-82-6	2,4'-DDE	5.0	Ui	5.0	5.0	
53-19-0	2,4'-DDD	6.6	Ui	6.6	6.6	
789-02-6	2,4'-DDT	58	PD	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T2-E-PS-WB-comp-1DL
Lab Code: K2409445-011
File ID: J:\GC23\DATA\011005\0110F071.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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	68	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: K2409445
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-F-PS-WB-comp-1
 Lab Code: K2409445-012
 File ID: J:\GC23\DATA\122304\1223F097.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 Calibration ID: CAL4079

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	1.4	Ui	1.4	1.4	
319-84-6	alpha-BHC	1.0	U	1.0	0.16	
319-85-7	beta-BHC	1.0	Ui	1.0	0.25	
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	1.8	Ui	1.8	1.8	
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†	7.5		1.0	0.14	
959-98-8	Endosulfan I	1.0	Ui	1.0	1.0	
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	6.1	P	1.0	0.12	
72-20-8	Endrin	1.5	Ui	1.5	1.5	
33213-65-9	Endosulfan II	1.4	Ui	1.4	1.4	
72-54-8	4,4'-DDD	2.1		1.0	0.13	
7421-93-4	Endrin Aldehyde	1.8	P	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0	Ui	1.0	0.35	
50-29-3	4,4'-DDT	15	P	1.0	0.38	
53494-70-5	Endrin Ketone	1.0	Ui	1.0	0.55	
72-43-5	Methoxychlor	1.0	U	1.0	0.27	
8001-35-2	Toxaphene	300	Ui	300	300	
3424-82-6	2,4'-DDE	1.0	Ui	1.0	1.0	
53-19-0	2,4'-DDD	3.4	Ui	3.4	3.4	
789-02-6	2,4'-DDT	28		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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-F-PS-WB-comp-1
Lab Code: K2409445-012
File ID: J:\GC23\DATA\122304\1223F097.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	73	30-150	12/25/04	Acceptable
Decachlorobiphenyl	92	30-150	12/25/04	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: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-A-PS-WB-comp-1
Lab Code: K2409445-013
File ID: J:\GC23\DATA\122304\1223F098.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	1.0	
319-84-6	alpha-BHC	0.56	JP	1.0	0.16	
319-85-7	beta-BHC	0.59	J	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.0	Ui	1.0	0.66	
319-86-8	delta-BHC	1.0	U	1.0	0.34	
76-44-8	Heptachlor	1.5	Ui	1.5	1.5	
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†	7.5		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	1.3	Ui	1.3	1.3	
72-55-9	4,4'-DDE	3.6	P	1.0	0.12	
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	1.8		1.0	0.13	
7421-93-4	Endrin Aldehyde	1.8	Ui	1.8	1.8	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	21	P	1.0	0.38	
53494-70-5	Endrin Ketone	1.0	Ui	1.0	0.57	
72-43-5	Methoxychlor	2.8	Ui	2.8	2.8	
8001-35-2	Toxaphene	250	Ui	250	250	
3424-82-6	2,4'-DDE	1.0	Ui	1.0	1.0	
53-19-0	2,4'-DDD	4.1	Ui	4.1	4.1	
789-02-6	2,4'-DDT	38	P	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: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-A-PS-WB-comp-1
Lab Code: K2409445-013
File ID: J:\GC23\DATA\122304\1223F098.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	65	30-150	12/25/04	Acceptable
Decachlorobiphenyl	87	30-150	12/25/04	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: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-A-PS-WB-comp-1DL
Lab Code: K2409445-013
File ID: J:\GC23\DATA\011005\0110F072.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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 Ui	5.0	2.8	
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 Ui	5.0	5.0	
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	7.8 Ui	7.8	7.8	
5103-74-2	gamma-Chlordane†	11 D	5.0	0.70	
959-98-8	Endosulfan I	5.0 Ui	5.0	2.8	
5103-71-9	alpha-Chlordane	7.3 D	5.0	1.8	
60-57-1	Dieldrin	5.0 Ui	5.0	2.2	
72-55-9	4,4'-DDE	5.5 PD	5.0	0.60	
72-20-8	Endrin	5.0 Ui	5.0	2.1	
33213-65-9	Endosulfan II	5.0 Ui	5.0	2.2	
72-54-8	4,4'-DDD	4.0 JD	5.0	0.65	
7421-93-4	Endrin Aldehyde	5.0 Ui	5.0	5.0	
1031-07-8	Endosulfan Sulfate	5.0 U	5.0	1.4	
50-29-3	4,4'-DDT	30 PD	5.0	1.9	
53494-70-5	Endrin Ketone	29 Ui	29	29	
72-43-5	Methoxychlor	5.0 Ui	5.0	3.5	
8001-35-2	Toxaphene	540 Ui	540	540	
3424-82-6	2,4'-DDE	5.0 Ui	5.0	5.0	
53-19-0	2,4'-DDD	5.3 Ui	5.3	5.3	
789-02-6	2,4'-DDT	46 PD	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: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-A-PS-WB-comp-1DL
Lab Code: K2409445-013
File ID: J:\GC23\DATA\011005\0110F072.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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	77	30-150	01/12/05	Acceptable
Decachlorobiphenyl	68	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-B-PS-WB-comp-1
Lab Code: K2409445-014
File ID: J:\GC23\DATA\122304\1223F106.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	1.2	1.0	0.34	
319-84-6	alpha-BHC	1.0 Ui	1.0	0.30	
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 U	1.0	0.45	
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†	13	1.0	0.14	*
959-98-8	Endosulfan I	1.0	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	3.5 Ui	3.5	3.5	
72-20-8	Endrin	2.3 Ui	2.3	2.3	
33213-65-9	Endosulfan II	3.3 Ui	3.3	3.3	
72-54-8	4,4'-DDD	1.6	1.0	0.13	*
7421-93-4	Endrin Aldehyde	3.8 Ui	3.8	3.8	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	40 E	1.0	0.38	
53494-70-5	Endrin Ketone	1.1 Ui	1.1	1.1	
72-43-5	Methoxychlor	1.0 U	1.0	0.27	
8001-35-2	Toxaphene	410 Ui	410	410	
3424-82-6	2,4'-DDE	1.1 Ui	1.1	1.1	
53-19-0	2,4'-DDD	7.1 Ui	7.1	7.1	
789-02-6	2,4'-DDT	64 PE	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-B-PS-WB-comp-1
Lab Code: K2409445-014
File ID: J:\GC23\DATA\122304\1223F106.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	62	30-150	12/25/04	Acceptable
Decachlorobiphenyl	86	30-150	12/25/04	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-B-PS-WB-comp-1DL
Lab Code: K2409445-014
File ID: J:\GC23\DATA\011005\0110F073.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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	U	10	3.4	
319-84-6	alpha-BHC	10	U	10	1.6	
319-85-7	beta-BHC	10	U	10	2.1	
58-89-9	gamma-BHC (Lindane)	5.6	JD	10	2.8	
319-86-8	delta-BHC	10	U	10	3.4	
76-44-8	Heptachlor	10	Ui	10	6.1	
309-00-2	Aldrin	10	U	10	2.0	
1024-57-3	Heptachlor Epoxide	13	Ui	13	13	
5103-74-2	gamma-Chlordane†	14	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	Ui	10	3.4	
72-55-9	4,4'-DDE	10	Ui	10	4.8	
72-20-8	Endrin	10	Ui	10	5.1	
33213-65-9	Endosulfan II	10	U	10	3.5	
72-54-8	4,4'-DDD	3.2	JD	10	1.3	
7421-93-4	Endrin Aldehyde	10	Ui	10	3.8	
1031-07-8	Endosulfan Sulfate	10	U	10	2.7	
50-29-3	4,4'-DDT	54	D	10	3.8	
53494-70-5	Endrin Ketone	47	Ui	47	47	
72-43-5	Methoxychlor	10	U	10	2.7	
8001-35-2	Toxaphene	890	Ui	890	890	
3424-82-6	2,4'-DDE	10	Ui	10	3.8	
53-19-0	2,4'-DDD	10	Ui	10	8.1	
789-02-6	2,4'-DDT	75	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-B-PS-WB-comp-1DL
Lab Code: K2409445-014
File ID: J:\GC23\DATA\011005\0110F073.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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	72	30-150	01/12/05	Acceptable
Decachlorobiphenyl	56	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: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-C-PS-WB-comp-1
Lab Code: K2409445-015
File ID: J:\GC23\DATA\122304\1223F107.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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 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 Ui	1.0	0.72	
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†	9.8	1.0	0.14	
959-98-8	Endosulfan I	1.4 P	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0 Ui	1.0	0.65	
60-57-1	Dieldrin	1.0 Ui	1.0	0.42	
72-55-9	4,4'-DDE	4.9 P	1.0	0.12	*
72-20-8	Endrin	1.9 Ui	1.9	1.9	
33213-65-9	Endosulfan II	1.8 Ui	1.8	1.8	
72-54-8	4,4'-DDD	2.1	1.0	0.13	*
7421-93-4	Endrin Aldehyde	2.2 Ui	2.2	2.2	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	27	1.0	0.38	
53494-70-5	Endrin Ketone	3.0 Ui	3.0	3.0	
72-43-5	Methoxychlor	4.2 Ui	4.2	4.2	
8001-35-2	Toxaphene	280 Ui	280	280	
3424-82-6	2,4'-DDE	5.0 Ui	5.0	5.0	
53-19-0	2,4'-DDD	4.9 Ui	4.9	4.9	
789-02-6	2,4'-DDT	44 PE	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-C-PS-WB-comp-1
Lab Code: K2409445-015
File ID: J:\GC23\DATA\122304\1223F107.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	66	30-150	12/25/04	Acceptable
Decachlorobiphenyl	94	30-150	12/25/04	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: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-C-PS-WB-comp-1DL
Lab Code: K2409445-015
File ID: J:\GC23\DATA\011005\0110F084.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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 U	5.0	1.0	
1024-57-3	Heptachlor Epoxide	6.7 Ui	6.7	6.7	
5103-74-2	gamma-Chlordane†	12 D	5.0	0.70	
959-98-8	Endosulfan I	1.6 JPD	5.0	0.65	
5103-71-9	alpha-Chlordane	6.3 Ui	6.3	6.3	
60-57-1	Dieldrin	5.0 U	5.0	0.55	
72-55-9	4,4'-DDE	5.4 PD	5.0	0.60	
72-20-8	Endrin	5.0 Ui	5.0	1.9	
33213-65-9	Endosulfan II	5.0 U	5.0	1.8	
72-54-8	4,4'-DDD	2.9 JD	5.0	0.65	
7421-93-4	Endrin Aldehyde	5.1 Ui	5.1	5.1	
1031-07-8	Endosulfan Sulfate	5.0 U	5.0	1.4	
50-29-3	4,4'-DDT	34 D	5.0	1.9	
53494-70-5	Endrin Ketone	5.0 Ui	5.0	3.2	
72-43-5	Methoxychlor	6.1 Ui	6.1	6.1	
8001-35-2	Toxaphene	500 Ui	500	500	
3424-82-6	2,4'-DDE	5.2 Ui	5.2	5.2	
53-19-0	2,4'-DDD	5.0 Ui	5.0	4.9	
789-02-6	2,4'-DDT	46 PD	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: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-C-PS-WB-comp-1DL
Lab Code: K2409445-015
File ID: J:\GC23\DATA\011005\0110F084.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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	75	30-150	01/12/05	Acceptable
Decachlorobiphenyl	82	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: K2409445
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-D-PS-WB-comp-1
 Lab Code: K2409445-016
 File ID: J:\GC23\DATA\122304\1223F108.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 Calibration ID: CAL4079

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
319-84-6	alpha-BHC	1.0	Ui	1.0	0.57	
118-74-1	Hexachlorobenzene	1.0	Ui	1.0	0.35	
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	1.1	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†	21		1.0	0.14	*
959-98-8	Endosulfan I	1.0	Ui	1.0	1.0	
5103-71-9	alpha-Chlordane	2.7	Ui	2.7	2.7	
60-57-1	Dieldrin	1.0	Ui	1.0	1.0	
72-55-9	4,4'-DDE	5.4	Ui	5.4	5.4	
72-20-8	Endrin	4.1	Ui	4.1	4.1	
33213-65-9	Endosulfan II	9.8	Ui	9.8	9.8	
72-54-8	4,4'-DDD	2.8	Ui	2.8	2.8	
7421-93-4	Endrin Aldehyde	5.3	Ui	5.3	5.3	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	83	E	1.0	0.38	
53494-70-5	Endrin Ketone	16	Ui	16	16	
72-43-5	Methoxychlor	1.0	U	1.0	0.27	
8001-35-2	Toxaphene	1900	UiE	1900	1900	
3424-82-6	2,4'-DDE	1.0	Ui	1.0	1.0	
53-19-0	2,4'-DDD	18	Ui	18	18	
789-02-6	2,4'-DDT	130	PE	1.0	0.22	
2385-85-5	Mirex	1.0	U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-D-PS-WB-comp-1
Lab Code: K2409445-016
File ID: J:\GC23\DATA\122304\1223F108.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	73	30-150	12/25/04	Acceptable
Decachlorobiphenyl	93	30-150	12/25/04	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: K2409445
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-D-PS-WB-comp-1DL
 Lab Code: K2409445-016
 File ID: J:\GC23\DATA\011005\0110F085.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 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	19	Ui	19	19	
5103-74-2	gamma-Chlordane†	21	D	10	1.4	
959-98-8	Endosulfan I	10	U	10	1.3	
5103-71-9	alpha-Chlordane	10	Ui	10	4.4	
60-57-1	Dieldrin	10	U	10	1.1	
72-55-9	4,4'-DDE	10	Ui	10	7.2	
72-20-8	Endrin	10	Ui	10	4.8	
33213-65-9	Endosulfan II	10	Ui	10	9.1	
72-54-8	4,4'-DDD	10	Ui	10	2.8	
7421-93-4	Endrin Aldehyde	13	Ui	13	13	
1031-07-8	Endosulfan Sulfate	21	Ui	21	21	
50-29-3	4,4'-DDT	99	D	10	3.8	
53494-70-5	Endrin Ketone	19	Ui	19	19	
72-43-5	Methoxychlor	10	Ui	10	3.9	
8001-35-2	Toxaphene	1900	Ui	1900	1900	
3424-82-6	2,4'-DDE	13	Ui	13	13	
53-19-0	2,4'-DDD	16	Ui	16	16	
789-02-6	2,4'-DDT	120	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-D-PS-WB-comp-1DL
Lab Code: K2409445-016
File ID: J:\GC23\DATA\011005\0110F085.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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	81	30-150	01/12/05	Acceptable
Decachlorobiphenyl	82	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-E-PS-WB-comp-1
Lab Code: K2409445-017
File ID: J:\GC23\DATA\122304\1223F109.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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 U	1.0	0.34	
319-84-6	alpha-BHC	1.0 Ui	1.0	0.25	
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 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†	15	1.0	0.14	
959-98-8	Endosulfan I	2.1	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0 U	1.0	0.36	
60-57-1	Dieldrin	1.0 Ui	1.0	0.60	
72-55-9	4,4'-DDE	8.5 P	1.0	0.12	*
72-20-8	Endrin	2.3 Ui	2.3	2.3	
33213-65-9	Endosulfan II	5.4 Ui	5.4	5.4	
72-54-8	4,4'-DDD	2.7	1.0	0.13	*
7421-93-4	Endrin Aldehyde	2.5 Ui	2.5	2.5	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	51 E	1.0	0.38	
53494-70-5	Endrin Ketone	6.4 Ui	6.4	6.4	
72-43-5	Methoxychlor	1.0 U	1.0	0.27	
8001-35-2	Toxaphene	1100 UiE	1100	1100	
3424-82-6	2,4'-DDE	1.0 Ui	1.0	1.0	
53-19-0	2,4'-DDD	23 P	1.0	0.18	
789-02-6	2,4'-DDT	84 PE	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-E-PS-WB-comp-1
Lab Code: K2409445-017
File ID: J:\GC23\DATA\122304\1223F109.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	73	30-150	12/25/04	Acceptable
Decachlorobiphenyl	91	30-150	12/25/04	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-E-PS-WB-comp-IDL
Lab Code: K2409445-017
File ID: J:\GC23\DATA\011005\0110F086.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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
118-74-1	Hexachlorobenzene	10	U	10	3.4	
319-84-6	alpha-BHC	10	U	10	1.6	
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	Ui	10	2.7	
1024-57-3	Heptachlor Epoxide	11	Ui	11	11	
5103-74-2	gamma-Chlordane†	16	D	10	1.4	
959-98-8	Endosulfan I	3.6	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	7.9	JPD	10	1.2	
72-20-8	Endrin	25	Ui	25	25	
33213-65-9	Endosulfan II	10	Ui	10	5.3	
72-54-8	4,4'-DDD	4.8	JD	10	1.3	
7421-93-4	Endrin Aldehyde	10	Ui	10	6.2	
1031-07-8	Endosulfan Sulfate	10	U	10	2.7	
50-29-3	4,4'-DDT	63	D	10	3.8	
53494-70-5	Endrin Ketone	10	Ui	10	8.0	
72-43-5	Methoxychlor	16	D	10	2.7	
8001-35-2	Toxaphene	1100	Ui	1100	1100	
3424-82-6	2,4'-DDE	10	Ui	10	7.2	
53-19-0	2,4'-DDD	22	PD	10	1.8	
789-02-6	2,4'-DDT	88	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-E-PS-WB-comp-IDL
Lab Code: K2409445-017
File ID: J:\GC23\DATA\011005\0110F086.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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	81	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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-F-PS-WB-comp-1
Lab Code: K2409445-018
File ID: J:\GC23\DATA\122304\1223F110.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	0.36	
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	1.9 Ui	1.9	1.9	
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†	23	1.0	0.14	
959-98-8	Endosulfan I	1.5 Ui	1.5	1.5	
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	6.5 P	1.0	0.12	*
72-20-8	Endrin	3.1 Ui	3.1	3.1	
33213-65-9	Endosulfan II	7.4 Ui	7.4	7.4	
72-54-8	4,4'-DDD	2.5	1.0	0.13	*
7421-93-4	Endrin Aldehyde	4.2 Ui	4.2	4.2	
1031-07-8	Endosulfan Sulfate	1.0 U	1.0	0.27	
50-29-3	4,4'-DDT	64 E	1.0	0.38	
53494-70-5	Endrin Ketone	12 Ui	12	12	
72-43-5	Methoxychlor	1.0 U	1.0	0.27	
8001-35-2	Toxaphene	1400 E	50	5.8	
3424-82-6	2,4'-DDE	12 Ui	12	12	
53-19-0	2,4'-DDD	13 Ui	13	13	
789-02-6	2,4'-DDT	110 PE	1.0	0.22	
2385-85-5	Mirex	1.0 U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T3-F-PS-WB-comp-1
Lab Code: K2409445-018
File ID: J:\GC23\DATA\122304\1223F110.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	65	30-150	12/25/04	Acceptable
Decachlorobiphenyl	90	30-150	12/25/04	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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-F-PS-WB-comp-1DL
Lab Code: K2409445-018
File ID: J:\GC23\DATA\011005\0110F087.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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
118-74-1	Hexachlorobenzene	10 U	10	3.4	
319-84-6	alpha-BHC	10 U	10	1.6	
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	15 Ui	15	15	
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	5.8 JPD	10	1.2	
72-20-8	Endrin	40 Ui	40	40	
33213-65-9	Endosulfan II	10 Ui	10	6.6	
72-54-8	4,4'-DDD	2.9 JD	10	1.3	
7421-93-4	Endrin Aldehyde	10 Ui	10	10	
1031-07-8	Endosulfan Sulfate	17 Ui	17	17	
50-29-3	4,4'-DDT	78 D	10	3.8	
53494-70-5	Endrin Ketone	14 Ui	14	14	
72-43-5	Methoxychlor	20 Ui	20	20	
8001-35-2	Toxaphene	1500 Ui	1500	1500	
3424-82-6	2,4'-DDE	14 Ui	14	14	
53-19-0	2,4'-DDD	13 Ui	13	13	
789-02-6	2,4'-DDT	110 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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T3-F-PS-WB-comp-1DL
Lab Code: K2409445-018
File ID: J:\GC23\DATA\011005\0110F087.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
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	72	30-150	01/12/05	Acceptable
Decachlorobiphenyl	77	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: K2409445
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/08/2004
 Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T4-A-PS-WB-comp-1
 Lab Code: K2409445-019
 File ID: J:\GC23\DATA\122304\1223F111.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 Calibration ID: CAL4079

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	1.0	U	1.0	0.34	
319-84-6	alpha-BHC	1.0	Ui	1.0	1.0	
319-85-7	beta-BHC	1.0	Ui	1.0	0.87	
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	1.7	Ui	1.7	1.7	
309-00-2	Aldrin	1.0	Ui	1.0	1.0	
1024-57-3	Heptachlor Epoxide	1.0	Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	9.2		1.0	0.14	
959-98-8	Endosulfan I	1.3	Ui	1.3	1.3	
5103-71-9	alpha-Chlordane	1.0	U	1.0	0.36	
60-57-1	Dieldrin	1.0	Ui	1.0	0.59	
72-55-9	4,4'-DDE	4.7	P	1.0	0.12	*
72-20-8	Endrin	1.2	Ui	1.2	1.2	
33213-65-9	Endosulfan II	1.6	Ui	1.6	1.6	
72-54-8	4,4'-DDD	2.3		1.0	0.13	*
7421-93-4	Endrin Aldehyde	1.7	Ui	1.7	1.7	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	21		1.0	0.38	
53494-70-5	Endrin Ketone	1.0	Ui	1.0	1.0	
72-43-5	Methoxychlor	1.3	Ui	1.3	1.3	
8001-35-2	Toxaphene	220	Ui	220	220	
3424-82-6	2,4'-DDE	1.0	Ui	1.0	1.0	
53-19-0	2,4'-DDD	4.0	Ui	4.0	4.0	
789-02-6	2,4'-DDT	33	P	1.0	0.22	
2385-85-5	Mirex	1.0	U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T4-A-PS-WB-comp-1
Lab Code: K2409445-019
File ID: J:\GC23\DATA\122304\1223F111.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	65	30-150	12/25/04	Acceptable
Decachlorobiphenyl	90	30-150	12/25/04	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: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T4-B-PS-WB-comp-1
Lab Code: K2409445-020
File ID: J:\GC23\DATA\122304\1223F112.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	0.72	
319-84-6	alpha-BHC	1.0	U	1.0	0.16	
319-85-7	beta-BHC	1.0	Ui	1.0	0.79	
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	Ui	1.0	1.0	
1024-57-3	Heptachlor Epoxide	1.0	Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	11		1.0	0.14	
959-98-8	Endosulfan I	1.6		1.0	0.13	
5103-71-9	alpha-Chlordane	1.0	Ui	1.0	0.57	
60-57-1	Dieldrin	1.0	Ui	1.0	1.0	
72-55-9	4,4'-DDE	5.2	P	1.0	0.12	*
72-20-8	Endrin	2.2	Ui	2.2	2.2	
33213-65-9	Endosulfan II	2.4	Ui	2.4	2.4	
72-54-8	4,4'-DDD	2.5		1.0	0.13	*
7421-93-4	Endrin Aldehyde	2.0	Ui	2.0	2.0	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	25	P	1.0	0.38	
53494-70-5	Endrin Ketone	1.0	Ui	1.0	0.61	
72-43-5	Methoxychlor	1.6	Ui	1.6	1.6	
8001-35-2	Toxaphene	250	Ui	250	250	
3424-82-6	2,4'-DDE	1.0	Ui	1.0	1.0	
53-19-0	2,4'-DDD	4.9	Ui	4.9	4.9	
789-02-6	2,4'-DDT	39	P	1.0	0.22	
2385-85-5	Mirex	1.0	U	1.0	0.27	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T4-B-PS-WB-comp-1
Lab Code: K2409445-020
File ID: J:\GC23\DATA\122304\1223F112.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	68	30-150	12/25/04	Acceptable
Decachlorobiphenyl	90	30-150	12/25/04	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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Organochlorine Pesticides

Sample Name: LDW-T4-C-PS-WB-comp-1
Lab Code: K2409445-021
File ID: J:\GC23\DATA\010705\0107F015.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
118-74-1	Hexachlorobenzene	1.0 Ui	1.0	0.35	
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 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†	6.1	1.0	0.14	
959-98-8	Endosulfan I	1.4 P	1.0	0.13	
5103-71-9	alpha-Chlordane	1.2 P	1.0	0.36	
60-57-1	Dieldrin	1.0 Ui	1.0	0.82	
72-55-9	4,4'-DDE	7.3 P	1.0	0.12	
72-20-8	Endrin	1.2 Ui	1.2	1.2	
33213-65-9	Endosulfan II	1.1 Ui	1.1	1.1	
72-54-8	4,4'-DDD	1.1	1.0	0.13	
7421-93-4	Endrin Aldehyde	1.3 P	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0 Ui	1.0	0.40	
50-29-3	4,4'-DDT	24 P	1.0	0.38	
53494-70-5	Endrin Ketone	1.0 Ui	1.0	1.0	
72-43-5	Methoxychlor	1.0 Ui	1.0	1.0	
8001-35-2	Toxaphene	170 Ui	170	170	
3424-82-6	2,4'-DDE	1.0 Ui	1.0	1.0	
53-19-0	2,4'-DDD	2.4 Ui	2.4	2.4	
789-02-6	2,4'-DDT	19	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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Organochlorine Pesticides

Sample Name: LDW-T4-C-PS-WB-comp-1
Lab Code: K2409445-021
File ID: J:\GC23\DATA\010705\0107F015.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

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	70	30-150	01/07/05	Acceptable
Decachlorobiphenyl	66	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: K2409445
 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-T4-D-PS-WB-comp-1
 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: K2409445
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-T4-D-PS-WB-comp-1
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: K2409445
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T4-D-PS-WB-comp-1DL
 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	36 D	5.0	0.50	
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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/12/2005

Organochlorine Pesticides

Sample Name: LDW-T4-D-PS-WB-comp-1DL
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: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T4-D-PS-WB-comp-2
Lab Code: K2409445-023
File ID: J:\GC23\DATA\010705\0107F018.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	1.3		1.0	0.34	
319-84-6	alpha-BHC	1.0	U	1.0	0.16	
319-85-7	beta-BHC	2.0	Ui	2.0	2.0	
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	1.2	Ui	1.2	1.2	
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†	9.8		1.0	0.14	
959-98-8	Endosulfan I	2.1	P	1.0	0.13	
5103-71-9	alpha-Chlordane	1.7	P	1.0	0.36	
60-57-1	Dieldrin	1.0	Ui	1.0	0.94	
72-55-9	4,4'-DDE	6.2	P	1.0	0.12	
72-20-8	Endrin	1.8	Ui	1.8	1.8	
33213-65-9	Endosulfan II	5.9	P	1.0	0.35	
72-54-8	4,4'-DDD	3.0		1.0	0.13	
7421-93-4	Endrin Aldehyde	1.8	Ui	1.8	1.8	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	32		1.0	0.38	
53494-70-5	Endrin Ketone	1.4	Ui	1.4	1.4	
72-43-5	Methoxychlor	1.3	Ui	1.3	1.3	
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	3.4	Ui	3.4	3.4	
789-02-6	2,4'-DDT	29	P	1.0	0.22	
2385-85-5	Mirex	1.0	U	1.0	0.27	

Comments:

Analytical Results

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

Service Request: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T4-D-PS-WB-comp-2
Lab Code: K2409445-023
File ID: J:\GC23\DATA\010705\0107F018.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	73	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: K2409445
 Date Collected: 09/07/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T4-E-PS-WB-comp-1
 Lab Code: K2409445-024
 File ID: J:\GC23\DATA\010705\0107F019.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	Ui	1.0	0.61	
319-84-6	alpha-BHC	1.0	Ui	1.0	1.0	
319-85-7	beta-BHC	0.79	JP	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.0	U	1.0	0.28	
319-86-8	delta-BHC	1.0	Ui	1.0	1.0	
76-44-8	Heptachlor	2.7	P	1.0	0.45	
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†	8.7		1.0	0.14	
959-98-8	Endosulfan I	2.0	P	1.0	0.13	
5103-71-9	alpha-Chlordane	1.3	P	1.0	0.36	
60-57-1	Dieldrin	0.82	JP	1.0	0.11	
72-55-9	4,4'-DDE	5.4		1.0	0.12	
72-20-8	Endrin	1.6	Ui	1.6	1.6	
33213-65-9	Endosulfan II	2.3	Ui	2.3	2.3	
72-54-8	4,4'-DDD	2.0		1.0	0.13	
7421-93-4	Endrin Aldehyde	1.5	Ui	1.5	1.5	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	20		1.0	0.38	
53494-70-5	Endrin Ketone	1.4	Ui	1.4	1.4	
72-43-5	Methoxychlor	1.2	Ui	1.2	1.2	
8001-35-2	Toxaphene	270	Ui	270	270	
3424-82-6	2,4'-DDE	1.0	Ui	1.0	1.0	
53-19-0	2,4'-DDD	3.5	Ui	3.5	3.5	
789-02-6	2,4'-DDT	24		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: K2409445
Date Collected: 09/07/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/08/2005

Organochlorine Pesticides

Sample Name: LDW-T4-E-PS-WB-comp-1
Lab Code: K2409445-024
File ID: J:\GC23\DATA\010705\0107F019.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	79	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-A-PS-WB-comp-1DUP
Lab Code: KWG0419447-1
File ID: J:\GC23\DATA\122304\1223F092.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	0.79	
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	1.8	P	1.0	0.45	
309-00-2	Aldrin	1.0	Ui	1.0	1.0	
1024-57-3	Heptachlor Epoxide	1.0	Ui	1.0	1.0	
5103-74-2	gamma-Chlordane†	7.1		1.0	0.14	
959-98-8	Endosulfan I	1.0	Ui	1.0	0.72	
5103-71-9	alpha-Chlordane	1.1	P	1.0	0.36	
60-57-1	Dieldrin	1.0	Ui	1.0	0.99	
72-55-9	4,4'-DDE	4.0	P	1.0	0.12	
72-20-8	Endrin	1.2	Ui	1.2	1.2	
33213-65-9	Endosulfan II	1.6	Ui	1.6	1.6	
72-54-8	4,4'-DDD	2.2		1.0	0.13	
7421-93-4	Endrin Aldehyde	1.4	P	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	12	P	1.0	0.38	
53494-70-5	Endrin Ketone	1.0	Ui	1.0	1.0	
72-43-5	Methoxychlor	1.0	Ui	1.0	1.0	
8001-35-2	Toxaphene	280	Ui	280	280	
3424-82-6	2,4'-DDE	1.4	Ui	1.4	1.4	
53-19-0	2,4'-DDD	3.2	Ui	3.2	3.2	
789-02-6	2,4'-DDT	22		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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: LDW-T2-A-PS-WB-comp-1DUP
Lab Code: KWG0419447-1
File ID: J:\GC23\DATA\122304\1223F092.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	12/25/04	Acceptable
Decachlorobiphenyl	87	30-150	12/25/04	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: K2409445
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-T4-D-PS-WB-comp-1DUP
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	56	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: K2409445
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-T4-D-PS-WB-comp-1DUP
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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG0419447-7
File ID: J:\GC23\DATA\122304\1223F071.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	1.0	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	1.0	U	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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG0419447-7
File ID: J:\GC23\DATA\122304\1223F071.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	72	30-150	12/25/04	Acceptable
Decachlorobiphenyl	99	30-150	12/25/04	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: K2409445
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: K2409445
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:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/08/2004
 Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: Lab Control Sample
 Lab Code: KWG0419447-3
 File ID: J:\GC23\DATA\122304\1223F072.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0419447
 Calibration ID: CAL4079

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	14.6		1.0	0.34	
319-84-6	alpha-BHC	18.9		1.0	0.16	
319-85-7	beta-BHC	17.3	P	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	19.6	P	1.0	0.28	
319-86-8	delta-BHC	20.9	P	1.0	0.34	
76-44-8	Heptachlor	17.5	P	1.0	0.45	
309-00-2	Aldrin	17.7	P	1.0	0.20	
1024-57-3	Heptachlor Epoxide	15.9	P	1.0	0.15	
5103-74-2	gamma-Chlordane†	14.4		1.0	0.14	
959-98-8	Endosulfan I	9.90		1.0	0.13	
5103-71-9	alpha-Chlordane	14.3		1.0	0.36	
60-57-1	Dieldrin	15.1		1.0	0.11	
72-55-9	4,4'-DDE	14.5		1.0	0.12	
72-20-8	Endrin	15.6		1.0	0.099	
33213-65-9	Endosulfan II	12.1		1.0	0.35	
72-54-8	4,4'-DDD	12.2		1.0	0.13	
7421-93-4	Endrin Aldehyde	11.6		1.0	0.17	
1031-07-8	Endosulfan Sulfate	16.7		1.0	0.27	
50-29-3	4,4'-DDT	16.4		1.0	0.38	
53494-70-5	Endrin Ketone	17.9		1.0	0.29	
72-43-5	Methoxychlor	18.6		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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0419447-3
File ID: J:\GC23\DATA\122304\1223F072.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	70	30-150	12/25/04	Acceptable
Decachlorobiphenyl	91	30-150	12/25/04	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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419447-4
File ID: J:\GC23\DATA\122304\1223F073.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	14.4		1.0	0.34	
319-84-6	alpha-BHC	17.8		1.0	0.16	
319-85-7	beta-BHC	15.7	P	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	18.4		1.0	0.28	
319-86-8	delta-BHC	20.5	P	1.0	0.34	
76-44-8	Heptachlor	17.2		1.0	0.45	
309-00-2	Aldrin	17.6	P	1.0	0.20	
1024-57-3	Heptachlor Epoxide	15.9	P	1.0	0.15	
5103-74-2	gamma-Chlordane†	14.4		1.0	0.14	
959-98-8	Endosulfan I	9.74		1.0	0.13	
5103-71-9	alpha-Chlordane	14.0		1.0	0.36	
60-57-1	Dieldrin	15.1		1.0	0.11	
72-55-9	4,4'-DDE	14.8		1.0	0.12	
72-20-8	Endrin	15.9		1.0	0.099	
33213-65-9	Endosulfan II	12.3		1.0	0.35	
72-54-8	4,4'-DDD	12.7		1.0	0.13	
7421-93-4	Endrin Aldehyde	10.8		1.0	0.17	
1031-07-8	Endosulfan Sulfate	16.6		1.0	0.27	
50-29-3	4,4'-DDT	16.6		1.0	0.38	
53494-70-5	Endrin Ketone	14.9		1.0	0.29	
72-43-5	Methoxychlor	18.6		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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419447-4
File ID: J:\GC23\DATA\122304\1223F073.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	70	30-150	12/25/04	Acceptable
Decachlorobiphenyl	92	30-150	12/25/04	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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0419447-5
File ID: J:\GC23\DATA\122304\1223F074.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	21.7		1.0	0.096	
53-19-0	2,4'-DDD	23.2		1.0	0.18	
789-02-6	2,4'-DDT	22.6		1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	71	30-150	12/25/04	Acceptable
Tetrachloro-m-xylene	71	30-150	12/25/04	Acceptable
Decachlorobiphenyl	93	30-150	12/25/04	Acceptable
Decachlorobiphenyl	77	30-150	12/25/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/08/2004
Date Analyzed: 12/25/2004

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419447-6
File ID: J:\GC23\DATA\122304\1223F075.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0419447
Calibration ID: CAL4079

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	18.1		1.0	0.096	
53-19-0	2,4'-DDD	18.9		1.0	0.18	
789-02-6	2,4'-DDT	19.1		1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	68	30-150	12/25/04	Acceptable
Tetrachloro-m-xylene	67	30-150	12/25/04	Acceptable
Decachlorobiphenyl	91	30-150	12/25/04	Acceptable
Decachlorobiphenyl	72	30-150	12/25/04	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 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: K2409445
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:

Analytical Results

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

Service Request: K2409445
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\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: 20.01 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	20.5	1.0	0.096	
53-19-0	2,4'-DDD	22.5	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: K2409445
 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: K2409445
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: K2409445
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\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: 20.01 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	19.3		1.0	0.096	
53-19-0	2,4'-DDD	21.7		1.0	0.18	
789-02-6	2,4'-DDT	21.5		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.

QA/QC Report

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/8/2005
Date Analyzed: 12/25/2005

Standard Reference Material
Organochlorine Pesticides

Sample Name: SRM 1945
Lab Code: KWG0419447-2
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	21	16-69	
alpha-BHC	EPA 3540C	8081A	16.2 ± 3.4	11	6.4-39	
delta-BHC	EPA 3540C	8081A	3.30 ± 0.81	8.9	1.3-8.2	
Heptachlor Epoxide	EPA 3540C	8081A	10.8 ± 1.3	12	4.8-24	
Mirex	EPA 3540C	8081A	46.9 ± 2.8	20	22-99	
alpha-Chlordane	EPA 3540C	8081A	48.7 ± 7.6	33	21-113	
2,4'-DDE	EPA 3540C	8081A	12.28 ± 0.87	12	5.7-26	
4,4'-DDE	EPA 3540C	8081A	445 ± 37	240	200-960	
2,4'-DDD	EPA 3540C	8081A	18.1 ± 2.8	17	7.7-31	
4,4'-DDD	EPA 3540C	8081A	133 ± 10	100	62-210	
2,4'-DDT	EPA 3540C	8081A	106 ± 14	150	46-180	
4,4'-DDT	EPA 3540C	8081A	245 ± 15	170	115-390	
Dieldrin	EPA 3540C	8081A	37.5 ± 3.9	56.0	17-62	
beta-BHC	EPA 3540C	8081A	8.0 ± 1.4	0.8	3.3-14	*

Approved By: _____

Date: _____

LCS (44)/091898p

09445SVG.mll - SRM 1/21/2005

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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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/9/2005
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	29	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	33	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	84	62-210	
2,4'-DDT	EPA 3540C	8081A	106 ± 14	150	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	0.8	3.3-14	*

Approved By: _____

Date: _____

LCS (44)/091898p
09445SVG.m11 - SRM (2) 1/20/2005

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/9/2005
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	29	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	33	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	84	62-210	
2,4'-DDT	EPA 3540C	8081A	106 ± 14	150	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	0.8	3.3-14	*

Approved By: _____

Date: _____

LCS (44)/091898p

09445SVG.mil - SRM (2) 1/20/2005

**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: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/06/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-A-PS-WB-comp-1
Lab Code: K2409445-001
File ID: J:\GC09\DATA\010605.B\0106F008.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	100		10	0.76	
11097-69-1	Aroclor 1254	230		10	1.5	
11096-82-5	Aroclor 1260	250		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	38-150	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/06/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-B-PS-WB-comp-1
Lab Code: K2409445-002
File ID: J:\GC09\DATA\010605.B\0106F009.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	110	P	10	0.76	
11097-69-1	Aroclor 1254	240		10	1.5	
11096-82-5	Aroclor 1260	270		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	77	38-150	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/06/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-C-PS-WB-comp-1
Lab Code: K2409445-003
File ID: J:\GC09\DATA\010605.B\0106F010.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	110 P	10	0.76	
11097-69-1	Aroclor 1254	300	10	1.5	
11096-82-5	Aroclor 1260	340	10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	38-150	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/06/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-D-PS-WB-comp-1
Lab Code: K2409445-004
File ID: J:\GC09\DATA\010605.B\0106F011.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	130		10	0.76	
11097-69-1	Aroclor 1254	290		10	1.5	
11096-82-5	Aroclor 1260	330		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	83	38-150	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/06/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-E-PS-WB-comp-1
Lab Code: K2409445-005
File ID: J:\GC09\DATA\010605.B\0106F012.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	140		10	0.76	
11097-69-1	Aroclor 1254	310		10	1.5	
11096-82-5	Aroclor 1260	340		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	82	38-150	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/06/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-F-PS-WB-comp-1
Lab Code: K2409445-006
File ID: J:\GC09\DATA\010605.B\0106F013.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	150		10	0.76	
11097-69-1	Aroclor 1254	340		10	1.5	
11096-82-5	Aroclor 1260	370		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	80	38-150	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/06/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-A-PS-WB-comp-1
Lab Code: K2409445-007
File ID: J:\GC09\DATA\010605.B\0106F017.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	120		10	0.76	
11097-69-1	Aroclor 1254	250		10	1.5	
11096-82-5	Aroclor 1260	260		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	38-150	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/06/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-B-PS-WB-comp-1
Lab Code: K2409445-008
File ID: J:\GC09\DATA\010605.B\0106F019.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	130	10	0.76	
11097-69-1	Aroclor 1254	280	10	1.5	
11096-82-5	Aroclor 1260	300	10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-C-PS-WB-comp-1
Lab Code: K2409445-009
File ID: J:\GC09\DATA\010605.B\0106F020.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	120	P	10	0.76	
11097-69-1	Aroclor 1254	260		10	1.5	
11096-82-5	Aroclor 1260	280		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	83	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: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-D-PS-WB-comp-1
Lab Code: K2409445-010
File ID: J:\GC09\DATA\010605.B\0106F021.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	120		10	0.76	
11097-69-1	Aroclor 1254	270		10	1.5	
11096-82-5	Aroclor 1260	270		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	82	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-E-PS-WB-comp-1
Lab Code: K2409445-011
File ID: J:\GC09\DATA\010605.B\0106F022.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	210		10	0.76	
11097-69-1	Aroclor 1254	520		10	1.5	
11096-82-5	Aroclor 1260	530		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-F-PS-WB-comp-1
Lab Code: K2409445-012
File ID: J:\GC09\DATA\010605.B\0106F023.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	130		10	0.76	
11097-69-1	Aroclor 1254	290		10	1.5	
11096-82-5	Aroclor 1260	300		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	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: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-A-PS-WB-comp-1
Lab Code: K2409445-013
File ID: J:\GC09\DATA\010605.B\0106F024.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	110		10	0.76	
11097-69-1	Aroclor 1254	300		10	1.5	
11096-82-5	Aroclor 1260	420		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	82	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-B-PS-WB-comp-1
Lab Code: K2409445-014
File ID: J:\GC09\DATA\011305.B\0113F036.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	100	U	100	7.6	
11097-69-1	Aroclor 1254	520	D	100	15	
11096-82-5	Aroclor 1260	700	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	76	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-C-PS-WB-comp-1
Lab Code: K2409445-015
File ID: J:\GC09\DATA\010605.B\0106F029.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	100		10	0.76	
11097-69-1	Aroclor 1254	300		10	1.5	
11096-82-5	Aroclor 1260	410		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: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-D-PS-WB-comp-1
Lab Code: K2409445-016
File ID: J:\GC09\DATA\010605.B\0106F038.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	270	D	100	7.6	
11097-69-1	Aroclor 1254	880	D	100	15	
11096-82-5	Aroclor 1260	1600	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	103	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-E-PS-WB-comp-1
Lab Code: K2409445-017
File ID: J:\GC09\DATA\011305.B\0113F037.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	100	U	100	7.6	
11097-69-1	Aroclor 1254	400	D	100	15	
11096-82-5	Aroclor 1260	780	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	82	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-F-PS-WB-comp-1
Lab Code: K2409445-018
File ID: J:\GC09\DATA\010605.B\0106F039.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	220	D	100	7.6	
11097-69-1	Aroclor 1254	760	D	100	15	
11096-82-5	Aroclor 1260	1300	D	100	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	89	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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-A-PS-WB-comp-1
Lab Code: K2409445-019
File ID: J:\GC09\DATA\010605.B\0106F033.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	110		10	0.76	
11097-69-1	Aroclor 1254	260		10	1.5	
11096-82-5	Aroclor 1260	290		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: Woodward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-B-PS-WB-comp-1
Lab Code: K2409445-020
File ID: J:\GC09\DATA\010605.B\0106F034.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	120		10	0.76	
11097-69-1	Aroclor 1254	310		10	1.5	
11096-82-5	Aroclor 1260	350		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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-C-PS-WB-comp-1
Lab Code: K2409445-021
File ID: J:\GC09\DATA\010705.B\0107F008.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: 20.00 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	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	68		10	0.76	
11097-69-1	Aroclor 1254	190		10	1.5	
11096-82-5	Aroclor 1260	250		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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-D-PS-WB-comp-1
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: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-D-PS-WB-comp-2
Lab Code: K2409445-023
File ID: J:\GC09\DATA\010705.B\0107F011.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	120		10	0.76	
11097-69-1	Aroclor 1254	270		10	1.5	
11096-82-5	Aroclor 1260	320		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	82	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: K2409445
Date Collected: 09/07/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-E-PS-WB-comp-1
Lab Code: K2409445-024
File ID: J:\GC09\DATA\010705.B\0107F012.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	130	10	0.76	
11097-69-1	Aroclor 1254	270	10	1.5	
11096-82-5	Aroclor 1260	270	10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/08/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-A-PS-WB-comp-1DUP
Lab Code: KWG0419448-1
File ID: J:\GC09\DATA\010605.B\0106F018.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	110		10	0.76	
11097-69-1	Aroclor 1254	240		10	1.5	
11096-82-5	Aroclor 1260	240		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	81	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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/07/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-D-PS-WB-comp-1DUP
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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/08/2004
Date Analyzed: 01/06/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG0419448-5
File ID: J:\GC09\DATA\010605.B\0106F004.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	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	86	38-150	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
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: Windward Environmental
Project: LDW/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/08/2004
Date Analyzed: 01/06/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG0419448-3
File ID: J:\GC09\DATA\010605.B\0106F005.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	207		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	214		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	38-150	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/08/2004
Date Analyzed: 01/06/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419448-4
File ID: J:\GC09\DATA\010605.B\0106F006.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0419448
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	192		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	206		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	38-150	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
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: K2409445
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:

Semi-Volatile Organic Compounds
EPA Method 8270C

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-A-PS-WB-comp-1
Lab Code: K2409445-001
File ID: J:\MS14\DATA\011405\0114F025.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.10 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	200	JD	1000	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	2100	D	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	170	JD	400	82	
106-44-5	4-Methylphenol†	380	JD	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	210	JD	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	220	JD	800	120	
65-85-0	Benzoic Acid	6800	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	79	JD	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	860	JD	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	270	JD	800	88	
95-95-4	2,4,5-Trichlorophenol	540	JD	800	110	

Comments:

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

Service Request: K2409445
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-A-PS-WB-comp-1
 Lab Code: K2409445-001
 File ID: J:\MS14\DATA\011405\0114F025.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.10 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	3300	JD	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	160	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	2600	JD	4000	310	*
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-A-PS-WB-comp-1
Lab Code: K2409445-001
File ID: J:\MS14\DATA\011405\0114F025.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.10 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	20-130	01/15/05	Acceptable
Phenol-d6	86	20-130	01/15/05	Acceptable
Nitrobenzene-d5	76	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	94	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	115	20-130	01/15/05	Acceptable
Terphenyl-d14	107	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-A-PS-WB-comp-1
Lab Code: K2409445-001
File ID: J:\MS14\DATA\011405\0114F025.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.10 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-B-PS-WB-comp-1
Lab Code: K2409445-002
File ID: J:\MS14\DATA\011405\0114F026.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.07 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	1000	U	1000	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	510	D	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	800	U	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	800	U	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	800	U	800	120	
65-85-0	Benzoic Acid	6400	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	800	U	800	88	
95-95-4	2,4,5-Trichlorophenol	800	U	800	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-B-PS-WB-comp-1
Lab Code: K2409445-002
File ID: J:\MS14\DATA\011405\0114F026.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.07 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	180	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	540	JD	4000	310	*
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-B-PS-WB-comp-1
Lab Code: K2409445-002
File ID: J:\MS14\DATA\011405\0114F026.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.07 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benzo(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	72	20-130	01/15/05	Acceptable
Phenol-d6	83	20-130	01/15/05	Acceptable
Nitrobenzene-d5	78	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	90	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	96	20-130	01/15/05	Acceptable
Terphenyl-d14	104	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-B-PS-WB-comp-1
Lab Code: K2409445-002
File ID: J:\MS14\DATA\011405\0114F026.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.07 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-C-PS-WB-comp-1
Lab Code: K2409445-003
File ID: J:\MS14\DATA\011405\0114F027.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	1000	U	1000	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	310	JD	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	800	U	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	800	U	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	800	U	800	120	
65-85-0	Benzoic Acid	6500	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	800	U	800	88	
95-95-4	2,4,5-Trichlorophenol	800	U	800	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-C-PS-WB-comp-1
Lab Code: K2409445-003
File ID: J:\MS14\DATA\011405\0114F027.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	200	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-C-PS-WB-comp-1
Lab Code: K2409445-003
File ID: J:\MS14\DATA\011405\0114F027.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	20-130	01/15/05	Acceptable
Phenol-d6	87	20-130	01/15/05	Acceptable
Nitrobenzene-d5	81	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	86	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	96	20-130	01/15/05	Acceptable
Terphenyl-d14	103	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-C-PS-WB-comp-1
Lab Code: K2409445-003
File ID: J:\MS14\DATA\011405\0114F027.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.02 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-D-PS-WB-comp-1
Lab Code: K2409445-004
File ID: J:\MS14\DATA\011405\0114F028.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.10 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	1000	U	1000	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	160	JD	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	800	U	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	800	U	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	800	U	800	120	
65-85-0	Benzoic Acid	6300	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	800	U	800	88	
95-95-4	2,4,5-Trichlorophenol	800	U	800	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-D-PS-WB-comp-1
Lab Code: K2409445-004
File ID: J:\MS14\DATA\011405\0114F028.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.10 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	170	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-D-PS-WB-comp-1
Lab Code: K2409445-004
File ID: J:\MS14\DATA\011405\0114F028.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.10 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	72	20-130	01/15/05	Acceptable
Phenol-d6	83	20-130	01/15/05	Acceptable
Nitrobenzene-d5	82	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	85	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	94	20-130	01/15/05	Acceptable
Terphenyl-d14	94	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-D-PS-WB-comp-1
Lab Code: K2409445-004
File ID: J:\MS14\DATA\011405\0114F028.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.10 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-PS-WB-comp-1
 Lab Code: K2409445-005
 File ID: J:\MS14\DATA\011405\0114F029.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.16 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	790	U	790	100	
62-53-3	Aniline	7900	U	7900	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	990	U	990	170	
95-57-8	2-Chlorophenol	790	U	790	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	790	U	790	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	790	U	790	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	790	U	790	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	790	U	790	120	
65-85-0	Benzoic Acid	6400	JD	7900	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	790	U	790	88	
95-95-4	2,4,5-Trichlorophenol	790	U	790	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-PS-WB-comp-1
 Lab Code: K2409445-005
 File ID: J:\MS14\DATA\011405\0114F029.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.16 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	7900	U	7900	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	180	JD	790	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	7900	U	7900	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-PS-WB-comp-1
Lab Code: K2409445-005
File ID: J:\MS14\DATA\011405\0114F029.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.16 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	20-130	01/15/05	Acceptable
Phenol-d6	85	20-130	01/15/05	Acceptable
Nitrobenzene-d5	85	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	87	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	96	20-130	01/15/05	Acceptable
Terphenyl-d14	99	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-PS-WB-comp-1
Lab Code: K2409445-005
File ID: J:\MS14\DATA\011405\0114F029.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.16 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-F-PS-WB-comp-1
Lab Code: K2409445-006
File ID: J:\MS14\DATA\011405\0114F031.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	1000	U	1000	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	800	U	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	800	U	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	800	U	800	120	
65-85-0	Benzoic Acid	6400	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	800	U	800	88	
95-95-4	2,4,5-Trichlorophenol	800	U	800	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-F-PS-WB-comp-1
 Lab Code: K2409445-006
 File ID: J:\MS14\DATA\011405\0114F031.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.08 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	170	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-F-PS-WB-comp-1
Lab Code: K2409445-006
File ID: J:\MS14\DATA\011405\0114F031.D
Instrument ID: MS14
Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	69	20-130	01/15/05	Acceptable
Phenol-d6	78	20-130	01/15/05	Acceptable
Nitrobenzene-d5	79	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	81	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	92	20-130	01/15/05	Acceptable
Terphenyl-d14	96	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-F-PS-WB-comp-1
Lab Code: K2409445-006
File ID: J:\MS14\DATA\011405\0114F031.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-A-PS-WB-comp-1
Lab Code: K2409445-007
File ID: J:\MS14\DATA\011405\0114F032.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.09 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	1000	U	1000	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	800	U	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	800	U	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	800	U	800	120	
65-85-0	Benzoic Acid	6400	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	800	U	800	88	
95-95-4	2,4,5-Trichlorophenol	800	U	800	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-A-PS-WB-comp-1
Lab Code: K2409445-007
File ID: J:\MS14\DATA\011405\0114F032.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.09 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	180	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-A-PS-WB-comp-1
Lab Code: K2409445-007
File ID: J:\MS14\DATA\011405\0114F032.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.09 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	69	20-130	01/15/05	Acceptable
Phenol-d6	83	20-130	01/15/05	Acceptable
Nitrobenzene-d5	77	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	85	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	99	20-130	01/15/05	Acceptable
Terphenyl-d14	96	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-A-PS-WB-comp-1
Lab Code: K2409445-007
File ID: J:\MS14\DATA\011405\0114F032.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.09 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/06/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-B-PS-WB-comp-1
Lab Code: K2409445-008
File ID: J:\MS14\DATA\011405\0114F033.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.15 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	790	U	790	100	
62-53-3	Aniline	7900	U	7900	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	990	U	990	170	
95-57-8	2-Chlorophenol	790	U	790	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	790	U	790	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	790	U	790	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	790	U	790	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	790	U	790	120	
65-85-0	Benzoic Acid	6200	JD	7900	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	790	U	790	88	
95-95-4	2,4,5-Trichlorophenol	790	U	790	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: 08/06/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-B-PS-WB-comp-1
 Lab Code: K2409445-008
 File ID: J:\MS14\DATA\011405\0114F033.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.15 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	7900	U	7900	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	170	JD	790	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	7900	U	7900	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/06/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-B-PS-WB-comp-1
Lab Code: K2409445-008
File ID: J:\MS14\DATA\011405\0114F033.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.15 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	72	20-130	01/15/05	Acceptable
Phenol-d6	83	20-130	01/15/05	Acceptable
Nitrobenzene-d5	83	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	86	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	96	20-130	01/15/05	Acceptable
Terphenyl-d14	93	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/06/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-B-PS-WB-comp-1
Lab Code: K2409445-008
File ID: J:\MS14\DATA\011405\0114F033.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.15 g
% Solids: NA
Dilution Factor: 10

† **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: K2409445
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-C-PS-WB-comp-1
 Lab Code: K2409445-009
 File ID: J:\MS14\DATA\011405\0114F034.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.12 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	990	U	990	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	800	U	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	800	U	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	800	U	800	120	
65-85-0	Benzoic Acid	6400	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	800	U	800	88	
95-95-4	2,4,5-Trichlorophenol	800	U	800	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-C-PS-WB-comp-1
Lab Code: K2409445-009
File ID: J:\MS14\DATA\011405\0114F034.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.12 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	180	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-C-PS-WB-comp-1
Lab Code: K2409445-009
File ID: J:\MS14\DATA\011405\0114F034.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.12 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	77	20-130	01/15/05	Acceptable
Phenol-d6	92	20-130	01/15/05	Acceptable
Nitrobenzene-d5	91	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	94	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	105	20-130	01/15/05	Acceptable
Terphenyl-d14	106	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-C-PS-WB-comp-1
Lab Code: K2409445-009
File ID: J:\MS14\DATA\011405\0114F034.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.12 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-D-PS-WB-comp-1
Lab Code: K2409445-010
File ID: J:\MS14\DATA\011405\0114F035.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.05 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	1000	U	1000	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	800	U	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	800	U	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	800	U	800	120	
65-85-0	Benzoic Acid	6500	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	800	U	800	88	
95-95-4	2,4,5-Trichlorophenol	800	U	800	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-D-PS-WB-comp-1
Lab Code: K2409445-010
File ID: J:\MS14\DATA\011405\0114F035.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.05 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	180	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-D-PS-WB-comp-1
Lab Code: K2409445-010
File ID: J:\MS14\DATA\011405\0114F035.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.05 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	77	20-130	01/15/05	Acceptable
Phenol-d6	88	20-130	01/15/05	Acceptable
Nitrobenzene-d5	85	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	87	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	101	20-130	01/15/05	Acceptable
Terphenyl-d14	101	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-D-PS-WB-comp-1
Lab Code: K2409445-010
File ID: J:\MS14\DATA\011405\0114F035.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.05 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-E-PS-WB-comp-1
Lab Code: K2409445-011
File ID: J:\MS14\DATA\011405\0114F036.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.23 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	790	U	790	100	
62-53-3	Aniline	7900	U	7900	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	980	U	980	170	
95-57-8	2-Chlorophenol	790	U	790	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	790	U	790	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	790	U	790	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	790	U	790	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	790	U	790	120	
65-85-0	Benzoic Acid	6300	JD	7900	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	790	U	790	88	
95-95-4	2,4,5-Trichlorophenol	790	U	790	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-E-PS-WB-comp-1
Lab Code: K2409445-011
File ID: J:\MS14\DATA\011405\0114F036.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.23 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	7900	U	7900	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	170	JD	790	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	7900	U	7900	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	4900	U	4900	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-E-PS-WB-comp-1
Lab Code: K2409445-011
File ID: J:\MS14\DATA\011405\0114F036.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.23 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	71	20-130	01/15/05	Acceptable
Phenol-d6	83	20-130	01/15/05	Acceptable
Nitrobenzene-d5	79	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	85	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	97	20-130	01/15/05	Acceptable
Terphenyl-d14	96	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-E-PS-WB-comp-1
Lab Code: K2409445-011
File ID: J:\MS14\DATA\011405\0114F036.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.23 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-F-PS-WB-comp-1
Lab Code: K2409445-012
File ID: J:\MS14\DATA\011405\0114F037.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.20 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	790	U	790	100	
62-53-3	Aniline	7900	U	7900	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	990	U	990	170	
95-57-8	2-Chlorophenol	790	U	790	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	790	U	790	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	790	U	790	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	790	U	790	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	790	U	790	120	
65-85-0	Benzoic Acid	6400	JD	7900	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	790	U	790	88	
95-95-4	2,4,5-Trichlorophenol	790	U	790	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-F-PS-WB-comp-1
 Lab Code: K2409445-012
 File ID: J:\MS14\DATA\011405\0114F037.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.20 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	7900	U	7900	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	180	JD	790	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	7900	U	7900	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-F-PS-WB-comp-1
Lab Code: K2409445-012
File ID: J:\MS14\DATA\011405\0114F037.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.20 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	71	20-130	01/15/05	Acceptable
Phenol-d6	82	20-130	01/15/05	Acceptable
Nitrobenzene-d5	79	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	88	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	103	20-130	01/15/05	Acceptable
Terphenyl-d14	101	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-F-PS-WB-comp-1
Lab Code: K2409445-012
File ID: J:\MS14\DATA\011405\0114F037.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.20 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-A-PS-WB-comp-1
Lab Code: K2409445-013
File ID: J:\MS14\DATA\011405\0114F038.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	1000	U	1000	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	800	U	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	800	U	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	800	U	800	120	
65-85-0	Benzoic Acid	6500	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	800	U	800	88	
95-95-4	2,4,5-Trichlorophenol	800	U	800	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: 08/02/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-A-PS-WB-comp-1
 Lab Code: K2409445-013
 File ID: J:\MS14\DATA\011405\0114F038.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.02 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	180	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-A-PS-WB-comp-1
Lab Code: K2409445-013
File ID: J:\MS14\DATA\011405\0114F038.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	88	20-130	01/15/05	Acceptable
Phenol-d6	96	20-130	01/15/05	Acceptable
Nitrobenzene-d5	96	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	94	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	109	20-130	01/15/05	Acceptable
Terphenyl-d14	108	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-A-PS-WB-comp-1
Lab Code: K2409445-013
File ID: J:\MS14\DATA\011405\0114F038.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.02 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-B-PS-WB-comp-1
 Lab Code: K2409445-014
 File ID: J:\MS14\DATA\011405\0114F039.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.25 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	790	U	790	100	
62-53-3	Aniline	7900	U	7900	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	980	U	980	170	
95-57-8	2-Chlorophenol	790	U	790	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	790	U	790	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	790	U	790	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	790	U	790	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	790	U	790	120	
65-85-0	Benzoic Acid	6400	JD	7900	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	790	U	790	88	
95-95-4	2,4,5-Trichlorophenol	790	U	790	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-B-PS-WB-comp-1
Lab Code: K2409445-014
File ID: J:\MS14\DATA\011405\0114F039.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.25 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400 U	400	59	
88-74-4	2-Nitroaniline	2000 U	2000	260	
131-11-3	Dimethyl Phthalate	400 U	400	51	
606-20-2	2,6-Dinitrotoluene	2000 U	2000	70	
99-09-2	3-Nitroaniline	4000 U	4000	89	
51-28-5	2,4-Dinitrophenol	7900 U	7900	230	
100-02-7	4-Nitrophenol	4000 U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000 U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400 U	400	45	
84-66-2	Diethyl Phthalate	180 JD	790	94	
100-01-6	4-Nitroaniline	2000 U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	7900 U	7900	150	
86-30-6	N-Nitrosodiphenylamine	400 U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400 U	400	55	
118-74-1	Hexachlorobenzene	400 U	400	59	
87-86-5	Pentachlorophenol	4000 U	4000	310	
86-74-8	Carbazole	2000 U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300 JD	2000	160	
92-87-5	Benzidine	50000 U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000 U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000 U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	4900 U	4900	530	
117-84-0	Di-n-octyl Phthalate	4000 U	4000	130	
91-20-3	Naphthalene	400 U	400	86	
91-57-6	2-Methylnaphthalene	400 U	400	300	
208-96-8	Acenaphthylene	400 U	400	67	
83-32-9	Acenaphthene	400 U	400	66	
206-44-0	Fluoranthene	400 U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-B-PS-WB-comp-1
Lab Code: K2409445-014
File ID: J:\MS14\DATA\011405\0114F039.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.25 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	80	20-130	01/15/05	Acceptable
Phenol-d6	90	20-130	01/15/05	Acceptable
Nitrobenzene-d5	89	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	91	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	111	20-130	01/15/05	Acceptable
Terphenyl-d14	105	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-B-PS-WB-comp-1
Lab Code: K2409445-014
File ID: J:\MS14\DATA\011405\0114F039.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.25 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
 Date Collected: 08/05/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-C-PS-WB-comp-1
 Lab Code: K2409445-015
 File ID: J:\MS14\DATA\011405\0114F040.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.13 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	790	U	790	100	
62-53-3	Aniline	7900	U	7900	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	990	U	990	170	
95-57-8	2-Chlorophenol	790	U	790	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	790	U	790	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	790	U	790	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	790	U	790	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	790	U	790	120	
65-85-0	Benzoic Acid	6400	JD	7900	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	790	U	790	88	
95-95-4	2,4,5-Trichlorophenol	790	U	790	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-C-PS-WB-comp-1
Lab Code: K2409445-015
File ID: J:\MS14\DATA\011405\0114F040.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.13 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	7900	U	7900	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	790	U	790	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	7900	U	7900	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-C-PS-WB-comp-1
Lab Code: K2409445-015
File ID: J:\MS14\DATA\011405\0114F040.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.13 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benz(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	74	20-130	01/15/05	Acceptable
Phenol-d6	86	20-130	01/15/05	Acceptable
Nitrobenzene-d5	86	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	90	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	109	20-130	01/15/05	Acceptable
Terphenyl-d14	103	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/05/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-C-PS-WB-comp-1
Lab Code: K2409445-015
File ID: J:\MS14\DATA\011405\0114F040.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.13 g
% Solids: NA
Dilution Factor: 10

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
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Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-D-PS-WB-comp-1
 Lab Code: K2409445-016
 File ID: J:\MS14\DATA\011405\0114F041.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.10 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	1000	U	1000	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	800	U	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	800	U	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	800	U	800	120	
65-85-0	Benzoic Acid	6400	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	800	U	800	88	
95-95-4	2,4,5-Trichlorophenol	800	U	800	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: 08/03/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-D-PS-WB-comp-1
 Lab Code: K2409445-016
 File ID: J:\MS14\DATA\011405\0114F041.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.10 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	170	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-D-PS-WB-comp-1
Lab Code: K2409445-016
File ID: J:\MS14\DATA\011405\0114F041.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.10 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benzo(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	77	20-130	01/15/05	Acceptable
Phenol-d6	91	20-130	01/15/05	Acceptable
Nitrobenzene-d5	84	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	89	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	106	20-130	01/15/05	Acceptable
Terphenyl-d14	98	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-D-PS-WB-comp-1
Lab Code: K2409445-016
File ID: J:\MS14\DATA\011405\0114F041.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.10 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-E-PS-WB-comp-1
Lab Code: K2409445-017
File ID: J:\MS14\DATA\011505\0115F004.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	80	U	80	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	17	J	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	41		40	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†	21	J	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	80	U	80	13	
111-91-1	Bis(2-chloroethoxy)methane	40	U	40	5.0	
120-83-2	2,4-Dichlorophenol	80	U	80	12	
65-85-0	Benzoic Acid	1200		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	80	U	80	8.8	
95-95-4	2,4,5-Trichlorophenol	80	U	80	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-E-PS-WB-comp-1
Lab Code: K2409445-017
File ID: J:\MS14\DATA\011505\0115F004.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.07 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	21	J	80	9.4	
100-01-6	4-Nitroaniline	200	U	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	800	U	800	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	43	J	400	31	*
86-74-8	Carbazole	200	U	200	33	
84-74-2	Di-n-butyl Phthalate	200	U	200	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	400	U	400	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	400	U	400	13	
91-20-3	Naphthalene	40	U	40	8.6	
91-57-6	2-Methylnaphthalene	40	U	40	30	
208-96-8	Acenaphthylene	40	U	40	6.7	
83-32-9	Acenaphthene	40	U	40	6.6	
206-44-0	Fluoranthene	40	U	40	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-E-PS-WB-comp-1
Lab Code: K2409445-017
File ID: J:\MS14\DATA\011505\0115F004.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	40	U	40	5.8	
132-64-9	Dibenzofuran	40	U	40	21	
85-01-8	Phenanthrene	40	U	40	4.5	
120-12-7	Anthracene	40	U	40	6.2	
129-00-0	Pyrene	40	U	40	9.9	
56-55-3	Benz(a)anthracene	40	U	40	5.0	
218-01-9	Chrysene	40	U	40	5.8	
205-99-2	Benzo(b)fluoranthene	40	U	40	6.5	
207-08-9	Benzo(k)fluoranthene	40	U	40	7.2	
50-32-8	Benzo(a)pyrene	40	U	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	40	U	40	8.8	
53-70-3	Dibenz(a,h)anthracene	40	U	40	8.7	
191-24-2	Benzo(g,h,i)perylene	40	U	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	86	20-130	01/15/05	Acceptable
Phenol-d6	96	20-130	01/15/05	Acceptable
Nitrobenzene-d5	89	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	85	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	115	20-130	01/15/05	Acceptable
Terphenyl-d14	110	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/03/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-E-PS-WB-comp-1
Lab Code: K2409445-017
File ID: J:\MS14\DATA\011505\0115F004.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

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

† 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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-F-PS-WB-comp-1
Lab Code: K2409445-018
File ID: J:\MS14\DATA\011505\0115F005.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.03 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	80 U	80	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	24 J	40	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†	20 J	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	80 U	80	13	
111-91-1	Bis(2-chloroethoxy)methane	40 U	40	5.0	
120-83-2	2,4-Dichlorophenol	80 U	80	12	
65-85-0	Benzoic Acid	1200	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	80 U	80	8.8	
95-95-4	2,4,5-Trichlorophenol	80 U	80	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-F-PS-WB-comp-1
Lab Code: K2409445-018
File ID: J:\MS14\DATA\011505\0115F005.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.03 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	24 J	80	9.4	
100-01-6	4-Nitroaniline	200 U	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	800 U	800	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	200 U	200	16	
92-87-5	Benzidine	5000 U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	400 U	400	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	400 U	400	13	
91-20-3	Naphthalene	40 U	40	8.6	
91-57-6	2-Methylnaphthalene	40 U	40	30	
208-96-8	Acenaphthylene	40 U	40	6.7	
83-32-9	Acenaphthene	40 U	40	6.6	
206-44-0	Fluoranthene	40 U	40	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-F-PS-WB-comp-1
Lab Code: K2409445-018
File ID: J:\MS14\DATA\011505\0115F005.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.03 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	40	U	40	5.8	
132-64-9	Dibenzofuran	40	U	40	21	
85-01-8	Phenanthrene	40	U	40	4.5	
120-12-7	Anthracene	40	U	40	6.2	
129-00-0	Pyrene	40	U	40	9.9	
56-55-3	Benz(a)anthracene	40	U	40	5.0	
218-01-9	Chrysene	9.0	J	40	5.8	
205-99-2	Benzo(b)fluoranthene	40	U	40	6.5	
207-08-9	Benzo(k)fluoranthene	40	U	40	7.2	
50-32-8	Benzo(a)pyrene	40	U	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	40	U	40	8.8	
53-70-3	Dibenz(a,h)anthracene	40	U	40	8.7	
191-24-2	Benzo(g,h,i)perylene	40	U	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	89	20-130	01/15/05	Acceptable
Phenol-d6	96	20-130	01/15/05	Acceptable
Nitrobenzene-d5	90	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	86	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	124	20-130	01/15/05	Acceptable
Terphenyl-d14	111	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-F-PS-WB-comp-1
Lab Code: K2409445-018
File ID: J:\MS14\DATA\011505\0115F005.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.03 g
% Solids: NA
Dilution Factor: 1

† 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: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-A-PS-WB-comp-1
Lab Code: K2409445-019
File ID: J:\MS14\DATA\011505\0115F006.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.23 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	79 U	79	10	
62-53-3	Aniline	790 U	790	230	
111-44-4	Bis(2-chloroethyl) Ether	40 U	40	8.7	
108-95-2	Phenol	98 U	98	17	
95-57-8	2-Chlorophenol	79 U	79	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	38 J	40	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	40 U	40	11	
95-48-7	2-Methylphenol	79 U	79	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†	30 J	79	15	
98-95-3	Nitrobenzene	40 U	40	10	
78-59-1	Isophorone	7.3 J	40	5.8	
88-75-5	2-Nitrophenol	40 U	40	15	
105-67-9	2,4-Dimethylphenol	79 U	79	13	
111-91-1	Bis(2-chloroethoxy)methane	40 U	40	5.0	
120-83-2	2,4-Dichlorophenol	79 U	79	12	
65-85-0	Benzoic Acid	950	790	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	79 U	79	8.8	
95-95-4	2,4,5-Trichlorophenol	79 U	79	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-A-PS-WB-comp-1
Lab Code: K2409445-019
File ID: J:\MS14\DATA\011505\0115F006.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.23 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	790	U	790	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	24	J	79	9.4	
100-01-6	4-Nitroaniline	200	U	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	790	U	790	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	200	U	200	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	400	U	400	14	
91-94-1	3,3'-Dichlorobenzidine	2000	U	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	490	U	490	53	
117-84-0	Di-n-octyl Phthalate	400	U	400	13	
91-20-3	Naphthalene	40	U	40	8.6	
91-57-6	2-Methylnaphthalene	40	U	40	30	
208-96-8	Acenaphthylene	40	U	40	6.7	
83-32-9	Acenaphthene	40	U	40	6.6	
206-44-0	Fluoranthene	40	U	40	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: 08/04/2004
 Date Received: 12/01/2004
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-A-PS-WB-comp-1
 Lab Code: K2409445-019
 File ID: J:\MS14\DATA\011505\0115F006.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.23 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
86-73-7	Fluorene	40 U	40	5.8	
132-64-9	Dibenzofuran	40 U	40	21	
85-01-8	Phenanthrene	40 U	40	4.5	
120-12-7	Anthracene	40 U	40	6.2	
129-00-0	Pyrene	40 U	40	9.9	
56-55-3	Benz(a)anthracene	40 U	40	5.0	
218-01-9	Chrysene	40 U	40	5.8	
205-99-2	Benzo(b)fluoranthene	40 U	40	6.5	
207-08-9	Benzo(k)fluoranthene	40 U	40	7.2	
50-32-8	Benzo(a)pyrene	40 U	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	40 U	40	8.8	
53-70-3	Dibenz(a,h)anthracene	40 U	40	8.7	
191-24-2	Benzo(g,h,i)perylene	40 U	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	89	20-130	01/15/05	Acceptable
Phenol-d6	94	20-130	01/15/05	Acceptable
Nitrobenzene-d5	84	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	83	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	120	20-130	01/15/05	Acceptable
Terphenyl-d14	111	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-A-PS-WB-comp-1
Lab Code: K2409445-019
File ID: J:\MS14\DATA\011505\0115F006.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.23 g
% Solids: NA
Dilution Factor: 1

† 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: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-B-PS-WB-comp-1
Lab Code: K2409445-020
File ID: J:\MS14\DATA\011505\0115F007.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	80	U	80	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	40	U	40	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	40	U	40	15	
105-67-9	2,4-Dimethylphenol	80	U	80	13	
111-91-1	Bis(2-chloroethoxy)methane	40	U	40	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	80	U	80	8.8	
95-95-4	2,4,5-Trichlorophenol	80	U	80	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-B-PS-WB-comp-1
Lab Code: K2409445-020
File ID: J:\MS14\DATA\011505\0115F007.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 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	23 J	80	9.4	
100-01-6	4-Nitroaniline	200 U	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	800 U	800	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	200 U	200	16	
92-87-5	Benzidine	5000 U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	400 U	400	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	400 U	400	13	
91-20-3	Naphthalene	40 U	40	8.6	
91-57-6	2-Methylnaphthalene	40 U	40	30	
208-96-8	Acenaphthylene	40 U	40	6.7	
83-32-9	Acenaphthene	40 U	40	6.6	
206-44-0	Fluoranthene	40 U	40	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-B-PS-WB-comp-1
Lab Code: K2409445-020
File ID: J:\MS14\DATA\011505\0115F007.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	6.5	J	40	5.8	
132-64-9	Dibenzofuran	40	U	40	21	
85-01-8	Phenanthrene	40	U	40	4.5	
120-12-7	Anthracene	40	U	40	6.2	
129-00-0	Pyrene	40	U	40	9.9	
56-55-3	Benz(a)anthracene	40	U	40	5.0	
218-01-9	Chrysene	40	U	40	5.8	
205-99-2	Benzo(b)fluoranthene	40	U	40	6.5	
207-08-9	Benzo(k)fluoranthene	40	U	40	7.2	
50-32-8	Benzo(a)pyrene	40	U	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	40	U	40	8.8	
53-70-3	Dibenz(a,h)anthracene	40	U	40	8.7	
191-24-2	Benzo(g,h,i)perylene	40	U	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	95	20-130	01/15/05	Acceptable
Phenol-d6	105	20-130	01/15/05	Acceptable
Nitrobenzene-d5	97	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	91	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	125	20-130	01/15/05	Acceptable
Terphenyl-d14	121	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/30/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-B-PS-WB-comp-1
Lab Code: K2409445-020
File ID: J:\MS14\DATA\011505\0115F007.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 1

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
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Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: 08/04/2004
 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-T4-C-PS-WB-comp-1
 Lab Code: K2409445-021
 File ID: J:\MS14\DATA\011505\0115F008.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: 10.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	80 U	80	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	40 U	40	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	40 U	40	15	
105-67-9	2,4-Dimethylphenol	80 U	80	13	
111-91-1	Bis(2-chloroethoxy)methane	40 U	40	5.0	
120-83-2	2,4-Dichlorophenol	80 U	80	12	
65-85-0	Benzoic Acid	1000	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	80 U	80	8.8	
95-95-4	2,4,5-Trichlorophenol	80 U	80	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
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-T4-C-PS-WB-comp-1
Lab Code: K2409445-021
File ID: J:\MS14\DATA\011505\0115F008.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: 10.02 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	23	J	80	9.4	
100-01-6	4-Nitroaniline	200	U	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	800	U	800	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	200	U	200	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	400	U	400	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	400	U	400	13	
91-20-3	Naphthalene	40	U	40	8.6	
91-57-6	2-Methylnaphthalene	40	U	40	30	
208-96-8	Acenaphthylene	40	U	40	6.7	
83-32-9	Acenaphthene	40	U	40	6.6	
206-44-0	Fluoranthene	40	U	40	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
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-T4-C-PS-WB-comp-1
Lab Code: K2409445-021
File ID: J:\MS14\DATA\011505\0115F008.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: 10.02 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	7.7	J	40	5.8	
132-64-9	Dibenzofuran	40	U	40	21	
85-01-8	Phenanthrene	15	J	40	4.5	
120-12-7	Anthracene	40	U	40	6.2	
129-00-0	Pyrene	40	U	40	9.9	
56-55-3	Benz(a)anthracene	40	U	40	5.0	
218-01-9	Chrysene	40	U	40	5.8	
205-99-2	Benzo(b)fluoranthene	40	U	40	6.5	
207-08-9	Benzo(k)fluoranthene	40	U	40	7.2	
50-32-8	Benzo(a)pyrene	40	U	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	40	U	40	8.8	
53-70-3	Dibenz(a,h)anthracene	40	U	40	8.7	
191-24-2	Benzo(g,h,i)perylene	40	U	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	88	20-130	01/15/05	Acceptable
Phenol-d6	95	20-130	01/15/05	Acceptable
Nitrobenzene-d5	91	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	82	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	113	20-130	01/15/05	Acceptable
Terphenyl-d14	104	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
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-T4-C-PS-WB-comp-1
Lab Code: K2409445-021
File ID: J:\MS14\DATA\011505\0115F008.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: 10.02 g
% Solids: NA
Dilution Factor: 1

† 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: K2409445
 Date Collected: 08/04/2004
 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-T4-D-PS-WB-comp-1
 Lab Code: K2409445-022
 File ID: J:\MS14\DATA\011505\0115F009.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: 10.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	80	U	80	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	40	U	40	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	40	U	40	15	
105-67-9	2,4-Dimethylphenol	80	U	80	13	
111-91-1	Bis(2-chloroethoxy)methane	40	U	40	5.0	
120-83-2	2,4-Dichlorophenol	80	U	80	12	
65-85-0	Benzoic Acid	920		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	80	U	80	8.8	
95-95-4	2,4,5-Trichlorophenol	80	U	80	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
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-T4-D-PS-WB-comp-1
Lab Code: K2409445-022
File ID: J:\MS14\DATA\011505\0115F009.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: 10.02 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	5.1 J	40	4.5	
84-66-2	Diethyl Phthalate	20 J	80	9.4	
100-01-6	4-Nitroaniline	200 U	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	800 U	800	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	200 U	200	16	
92-87-5	Benzidine	5000 U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	400 U	400	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	400 U	400	13	
91-20-3	Naphthalene	40 U	40	8.6	
91-57-6	2-Methylnaphthalene	40 U	40	30	
208-96-8	Acenaphthylene	40 U	40	6.7	
83-32-9	Acenaphthene	40 U	40	6.6	
206-44-0	Fluoranthene	40 U	40	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
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-T4-D-PS-WB-comp-1
Lab Code: K2409445-022
File ID: J:\MS14\DATA\011505\0115F009.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: 10.02 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	40	U	40	5.8	
132-64-9	Dibenzofuran	40	U	40	21	
85-01-8	Phenanthrene	40	U	40	4.5	
120-12-7	Anthracene	40	U	40	6.2	
129-00-0	Pyrene	40	U	40	9.9	
56-55-3	Benz(a)anthracene	40	U	40	5.0	
218-01-9	Chrysene	40	U	40	5.8	
205-99-2	Benzo(b)fluoranthene	40	U	40	6.5	
207-08-9	Benzo(k)fluoranthene	40	U	40	7.2	
50-32-8	Benzo(a)pyrene	40	U	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	40	U	40	8.8	
53-70-3	Dibenz(a,h)anthracene	40	U	40	8.7	
191-24-2	Benzo(g,h,i)perylene	40	U	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	79	20-130	01/15/05	Acceptable
Phenol-d6	89	20-130	01/15/05	Acceptable
Nitrobenzene-d5	83	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	77	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	105	20-130	01/15/05	Acceptable
Terphenyl-d14	98	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/04/2004
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-T4-D-PS-WB-comp-1
Lab Code: K2409445-022
File ID: J:\MS14\DATA\011505\0115F009.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: 10.02 g
% Solids: NA
Dilution Factor: 1

† 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: K2409445
 Date Collected: 08/30/2004
 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-T4-D-PS-WB-comp-2
 Lab Code: K2409445-023
 File ID: J:\MS14\DATA\011505\0115F010.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: 10.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	80	U	80	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	40	U	40	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	40	U	40	15	
105-67-9	2,4-Dimethylphenol	80	U	80	13	
111-91-1	Bis(2-chloroethoxy)methane	40	U	40	5.0	
120-83-2	2,4-Dichlorophenol	80	U	80	12	
65-85-0	Benzoic Acid	890		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	80	U	80	8.8	
95-95-4	2,4,5-Trichlorophenol	80	U	80	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/30/2004
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-T4-D-PS-WB-comp-2
Lab Code: K2409445-023
File ID: J:\MS14\DATA\011505\0115F010.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: 10.02 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	21	J	80	9.4	
100-01-6	4-Nitroaniline	200	U	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	800	U	800	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	200	U	200	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	400	U	400	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	400	U	400	13	
91-20-3	Naphthalene	40	U	40	8.6	
91-57-6	2-Methylnaphthalene	40	U	40	30	
208-96-8	Acenaphthylene	40	U	40	6.7	
83-32-9	Acenaphthene	40	U	40	6.6	
206-44-0	Fluoranthene	40	U	40	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/30/2004
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-T4-D-PS-WB-comp-2
Lab Code: K2409445-023
File ID: J:\MS14\DATA\011505\0115F010.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: 10.02 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	40	U	40	5.8	
132-64-9	Dibenzofuran	40	U	40	21	
85-01-8	Phenanthrene	40	U	40	4.5	
120-12-7	Anthracene	40	U	40	6.2	
129-00-0	Pyrene	40	U	40	9.9	
56-55-3	Benz(a)anthracene	40	U	40	5.0	
218-01-9	Chrysene	40	U	40	5.8	
205-99-2	Benzo(b)fluoranthene	40	U	40	6.5	
207-08-9	Benzo(k)fluoranthene	40	U	40	7.2	
50-32-8	Benzo(a)pyrene	40	U	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	40	U	40	8.8	
53-70-3	Dibenz(a,h)anthracene	40	U	40	8.7	
191-24-2	Benzo(g,h,i)perylene	40	U	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	81	20-130	01/15/05	Acceptable
Phenol-d6	91	20-130	01/15/05	Acceptable
Nitrobenzene-d5	86	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	83	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	111	20-130	01/15/05	Acceptable
Terphenyl-d14	106	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/30/2004
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-T4-D-PS-WB-comp-2
Lab Code: K2409445-023
File ID: J:\MS14\DATA\011505\0115F010.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: 10.02 g
% Solids: NA
Dilution Factor: 1

† 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: K2409445
Date Collected: 09/07/2004
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-T4-E-PS-WB-comp-1
Lab Code: K2409445-024
File ID: J:\MS14\DATA\011505\0115F011.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: 10.01 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	80	U	80	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	40	U	40	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	40	U	40	15	
105-67-9	2,4-Dimethylphenol	80	U	80	13	
111-91-1	Bis(2-chloroethoxy)methane	40	U	40	5.0	
120-83-2	2,4-Dichlorophenol	80	U	80	12	
65-85-0	Benzoic Acid	930		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	80	U	80	8.8	
95-95-4	2,4,5-Trichlorophenol	80	U	80	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 09/07/2004
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-T4-E-PS-WB-comp-1
Lab Code: K2409445-024
File ID: J:\MS14\DATA\011505\0115F011.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: 10.01 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	7.6	J	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	18	J	80	9.4	
100-01-6	4-Nitroaniline	200	U	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	800	U	800	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	200	U	200	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	400	U	400	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	400	U	400	13	
91-20-3	Naphthalene	40	U	40	8.6	
91-57-6	2-Methylnaphthalene	40	U	40	30	
208-96-8	Acenaphthylene	40	U	40	6.7	
83-32-9	Acenaphthene	40	U	40	6.6	
206-44-0	Fluoranthene	40	U	40	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 09/07/2004
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-T4-E-PS-WB-comp-1
Lab Code: K2409445-024
File ID: J:\MS14\DATA\011505\0115F011.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: 10.01 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	40	U	40	5.8	
132-64-9	Dibenzofuran	40	U	40	21	
85-01-8	Phenanthrene	40	U	40	4.5	
120-12-7	Anthracene	40	U	40	6.2	
129-00-0	Pyrene	40	U	40	9.9	
56-55-3	Benz(a)anthracene	40	U	40	5.0	
218-01-9	Chrysene	40	U	40	5.8	
205-99-2	Benzo(b)fluoranthene	40	U	40	6.5	
207-08-9	Benzo(k)fluoranthene	40	U	40	7.2	
50-32-8	Benzo(a)pyrene	40	U	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	40	U	40	8.8	
53-70-3	Dibenz(a,h)anthracene	40	U	40	8.7	
191-24-2	Benzo(g,h,i)perylene	40	U	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	84	20-130	01/15/05	Acceptable
Phenol-d6	91	20-130	01/15/05	Acceptable
Nitrobenzene-d5	88	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	83	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	115	20-130	01/15/05	Acceptable
Terphenyl-d14	107	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 09/07/2004
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-T4-E-PS-WB-comp-1
Lab Code: K2409445-024
File ID: J:\MS14\DATA\011505\0115F011.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: 10.01 g
% Solids: NA
Dilution Factor: 1

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
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Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-PS-WB-comp-1DUP
Lab Code: KWG0419493-2
File ID: J:\MS14\DATA\011405\0114F030.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	800	U	800	100	
62-53-3	Aniline	8000	U	8000	2300	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	87	
108-95-2	Phenol	1000	U	1000	170	
95-57-8	2-Chlorophenol	800	U	800	110	
541-73-1	1,3-Dichlorobenzene	400	U	400	110	
106-46-7	1,4-Dichlorobenzene	400	U	400	110	
95-50-1	1,2-Dichlorobenzene	400	U	400	120	
100-51-6	Benzyl Alcohol	400	U	400	67	
39638-32-9	Bis(2-chloroisopropyl) Ether	400	U	400	110	
95-48-7	2-Methylphenol	800	U	800	530	
67-72-1	Hexachloroethane	400	U	400	85	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	82	
106-44-5	4-Methylphenol†	800	U	800	150	
98-95-3	Nitrobenzene	400	U	400	100	
78-59-1	Isophorone	400	U	400	58	
88-75-5	2-Nitrophenol	400	U	400	150	
105-67-9	2,4-Dimethylphenol	800	U	800	130	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	50	
120-83-2	2,4-Dichlorophenol	800	U	800	120	
65-85-0	Benzoic Acid	6500	JD	8000	1900	*
120-82-1	1,2,4-Trichlorobenzene	400	U	400	99	
106-47-8	4-Chloroaniline	2000	U	2000	59	
87-68-3	Hexachlorobutadiene	400	U	400	85	
59-50-7	4-Chloro-3-methylphenol	2000	U	2000	720	
77-47-4	Hexachlorocyclopentadiene	50000	U	50000	50000	
88-06-2	2,4,6-Trichlorophenol	800	U	800	88	
95-95-4	2,4,5-Trichlorophenol	800	U	800	110	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-PS-WB-comp-1DUP
Lab Code: KWG0419493-2
File ID: J:\MS14\DATA\011405\0114F030.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	400	U	400	59	
88-74-4	2-Nitroaniline	2000	U	2000	260	
131-11-3	Dimethyl Phthalate	400	U	400	51	
606-20-2	2,6-Dinitrotoluene	2000	U	2000	70	
99-09-2	3-Nitroaniline	4000	U	4000	89	
51-28-5	2,4-Dinitrophenol	8000	U	8000	230	
100-02-7	4-Nitrophenol	4000	U	4000	75	
121-14-2	2,4-Dinitrotoluene	2000	U	2000	85	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	45	
84-66-2	Diethyl Phthalate	180	JD	800	94	
100-01-6	4-Nitroaniline	2000	U	2000	260	
534-52-1	2-Methyl-4,6-dinitrophenol	8000	U	8000	150	
86-30-6	N-Nitrosodiphenylamine	400	U	400	95	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	55	
118-74-1	Hexachlorobenzene	400	U	400	59	
87-86-5	Pentachlorophenol	4000	U	4000	310	
86-74-8	Carbazole	2000	U	2000	330	
84-74-2	Di-n-butyl Phthalate	1300	JD	2000	160	
92-87-5	Benzidine	50000	U	50000	50000	*
85-68-7	Butyl Benzyl Phthalate	4000	U	4000	140	
91-94-1	3,3'-Dichlorobenzidine	20000	U	20000	7800	
117-81-7	Bis(2-ethylhexyl) Phthalate	5000	U	5000	530	
117-84-0	Di-n-octyl Phthalate	4000	U	4000	130	
91-20-3	Naphthalene	400	U	400	86	
91-57-6	2-Methylnaphthalene	400	U	400	300	
208-96-8	Acenaphthylene	400	U	400	67	
83-32-9	Acenaphthene	400	U	400	66	
206-44-0	Fluoranthene	400	U	400	57	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-PS-WB-comp-1DUP
Lab Code: KWG0419493-2
File ID: J:\MS14\DATA\011405\0114F030.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	400	U	400	58	
132-64-9	Dibenzofuran	400	U	400	210	
85-01-8	Phenanthrene	400	U	400	45	
120-12-7	Anthracene	400	U	400	62	
129-00-0	Pyrene	400	U	400	99	
56-55-3	Benzo(a)anthracene	400	U	400	50	
218-01-9	Chrysene	400	U	400	58	
205-99-2	Benzo(b)fluoranthene	400	U	400	65	
207-08-9	Benzo(k)fluoranthene	400	U	400	72	
50-32-8	Benzo(a)pyrene	400	U	400	73	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	88	
53-70-3	Dibenz(a,h)anthracene	400	U	400	87	
191-24-2	Benzo(g,h,i)perylene	400	U	400	65	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	73	20-130	01/15/05	Acceptable
Phenol-d6	84	20-130	01/15/05	Acceptable
Nitrobenzene-d5	83	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	86	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	100	20-130	01/15/05	Acceptable
Terphenyl-d14	106	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: 08/02/2004
Date Received: 12/01/2004
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-E-PS-WB-comp-1DUP
Lab Code: KWG0419493-2
File ID: J:\MS14\DATA\011405\0114F030.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 10

† 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: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/14/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0419493-5
File ID: J:\MS14\DATA\011405\0114F022.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.25 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	79 U	79	10	
62-53-3	Aniline	790 U	790	230	
111-44-4	Bis(2-chloroethyl) Ether	40 U	40	8.7	
108-95-2	Phenol	98 U	98	17	
95-57-8	2-Chlorophenol	79 U	79	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	40 U	40	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	40 U	40	11	
95-48-7	2-Methylphenol	79 U	79	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†	79 U	79	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	79 U	79	13	
111-91-1	Bis(2-chloroethoxy)methane	40 U	40	5.0	
120-83-2	2,4-Dichlorophenol	79 U	79	12	
65-85-0	Benzoic Acid	790 U	790	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	79 U	79	8.8	
95-95-4	2,4,5-Trichlorophenol	79 U	79	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/14/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0419493-5
File ID: J:\MS14\DATA\011405\0114F022.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.25 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	790 U	790	23	
100-02-7	4-Nitrophenol	19 J	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	11 J	79	9.4	
100-01-6	4-Nitroaniline	200 U	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	790 U	790	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	110 J	200	16	
92-87-5	Benzidine	5000 U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	400 U	400	14	
91-94-1	3,3'-Dichlorobenzidine	2000 U	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	490 U	490	53	
117-84-0	Di-n-octyl Phthalate	400 U	400	13	
91-20-3	Naphthalene	40 U	40	8.6	
91-57-6	2-Methylnaphthalene	40 U	40	30	
208-96-8	Acenaphthylene	40 U	40	6.7	
83-32-9	Acenaphthene	40 U	40	6.6	
206-44-0	Fluoranthene	40 U	40	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/14/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0419493-5
File ID: J:\MS14\DATA\011405\0114F022.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.25 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
86-73-7	Fluorene	40	U	40	5.8	
132-64-9	Dibenzofuran	40	U	40	21	
85-01-8	Phenanthrene	40	U	40	4.5	
120-12-7	Anthracene	40	U	40	6.2	
129-00-0	Pyrene	40	U	40	9.9	
56-55-3	Benz(a)anthracene	40	U	40	5.0	
218-01-9	Chrysene	40	U	40	5.8	
205-99-2	Benzo(b)fluoranthene	40	U	40	6.5	
207-08-9	Benzo(k)fluoranthene	40	U	40	7.2	
50-32-8	Benzo(a)pyrene	40	U	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	40	U	40	8.8	
53-70-3	Dibenz(a,h)anthracene	40	U	40	8.7	
191-24-2	Benzo(g,h,i)perylene	40	U	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	57	20-130	01/14/05	Acceptable
Phenol-d6	68	20-130	01/14/05	Acceptable
Nitrobenzene-d5	65	20-130	01/14/05	Acceptable
2-Fluorobiphenyl	74	20-130	01/14/05	Acceptable
2,4,6-Tribromophenol	57	20-130	01/14/05	Acceptable
Terphenyl-d14	121	20-130	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/14/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0419493-5
File ID: J:\MS14\DATA\011405\0114F022.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.25 g
% Solids: NA
Dilution Factor: 1

† 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: K2409445
 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: Windward Environmental
 Project: LDW/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409445
 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	
91-20-3	Naphthalene	40 U	40	8.6	
91-57-6	2-Methylnaphthalene	80 U	80	30	
208-96-8	Acenaphthylene	40 U	40	6.7	
83-32-9	Acenaphthene	40 U	40	6.6	
206-44-0	Fluoranthene	20 J	80	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
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
86-73-7	Fluorene	40 U	40	5.8	
132-64-9	Dibenzofuran	40 U	40	21	
85-01-8	Phenanthrene	10 J	80	4.5	
120-12-7	Anthracene	7.7 J	40	6.2	
129-00-0	Pyrene	15 J	40	9.9	
56-55-3	Benz(a)anthracene	5.0 J	40	5.0	
218-01-9	Chrysene	40 U	40	5.8	
205-99-2	Benzo(b)fluoranthene	40 U	40	6.5	
207-08-9	Benzo(k)fluoranthene	40 U	40	7.2	
50-32-8	Benzo(a)pyrene	40 U	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	40 U	40	8.8	
53-70-3	Dibenz(a,h)anthracene	40 U	40	8.7	
191-24-2	Benzo(g,h,i)perylene	40 U	40	6.5	

* See Case Narrative

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

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
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

† 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: K2409445
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/14/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0419493-3
 File ID: J:\MS14\DATA\011405\0114F023.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	645	80	10	
62-53-3	Aniline	440 J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	772	40	8.7	
108-95-2	Phenol	772	100	17	
95-57-8	2-Chlorophenol	770	80	11	
541-73-1	1,3-Dichlorobenzene	734	40	11	
106-46-7	1,4-Dichlorobenzene	735	40	11	
95-50-1	1,2-Dichlorobenzene	773	40	12	
100-51-6	Benzyl Alcohol	719	40	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	751	40	11	
95-48-7	2-Methylphenol	756	80	53	
67-72-1	Hexachloroethane	752	40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	904	40	8.2	
106-44-5	4-Methylphenol†	752	80	15	
98-95-3	Nitrobenzene	799	40	10	
78-59-1	Isophorone	817	40	5.8	
88-75-5	2-Nitrophenol	803	40	15	*
105-67-9	2,4-Dimethylphenol	544	80	13	
111-91-1	Bis(2-chloroethoxy)methane	802	40	5.0	
120-83-2	2,4-Dichlorophenol	820	80	12	
65-85-0	Benzoic Acid	1480	800	190	*
120-82-1	1,2,4-Trichlorobenzene	781	40	9.9	
106-47-8	4-Chloroaniline	650	200	5.9	
87-68-3	Hexachlorobutadiene	750	40	8.5	
59-50-7	4-Chloro-3-methylphenol	903	200	72	
77-47-4	Hexachlorocyclopentadiene	590 J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	907	80	8.8	
95-95-4	2,4,5-Trichlorophenol	955	80	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/14/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0419493-3
 File ID: J:\MS14\DATA\011405\0114F023.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	804	40	5.9	
88-74-4	2-Nitroaniline	894	200	26	
131-11-3	Dimethyl Phthalate	940	40	5.1	
606-20-2	2,6-Dinitrotoluene	934	200	7.0	
99-09-2	3-Nitroaniline	895	400	8.9	
51-28-5	2,4-Dinitrophenol	1140	800	23	
100-02-7	4-Nitrophenol	1010	400	7.5	
121-14-2	2,4-Dinitrotoluene	995	200	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	925	40	4.5	
84-66-2	Diethyl Phthalate	1070	80	9.4	
100-01-6	4-Nitroaniline	1020	200	26	*
534-52-1	2-Methyl-4,6-dinitrophenol	1200	800	15	
86-30-6	N-Nitrosodiphenylamine	1110	40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	966	40	5.5	
118-74-1	Hexachlorobenzene	972	40	5.9	
87-86-5	Pentachlorophenol	1010	400	31	*
86-74-8	Carbazole	1020	200	33	*
84-74-2	Di-n-butyl Phthalate	1070	200	16	
92-87-5	Benzidine	19.9 J	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	982	400	14	
91-94-1	3,3'-Dichlorobenzidine	897 J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	1020	500	53	
117-84-0	Di-n-octyl Phthalate	885	400	13	
91-20-3	Naphthalene	788	40	8.6	
91-57-6	2-Methylnaphthalene	759	40	30	
208-96-8	Acenaphthylene	948	40	6.7	
83-32-9	Acenaphthene	841	40	6.6	
206-44-0	Fluoranthene	1140	40	5.7	*

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/14/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0419493-3
 File ID: J:\MS14\DATA\011405\0114F023.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
86-73-7	Fluorene	943	40	5.8	
132-64-9	Dibenzofuran	832	40	21	
85-01-8	Phenanthrene	968	40	4.5	
120-12-7	Anthracene	1010	40	6.2	
129-00-0	Pyrene	972	40	9.9	
56-55-3	Benz(a)anthracene	1090	40	5.0	
218-01-9	Chrysene	1100	40	5.8	
205-99-2	Benzo(b)fluoranthene	1070	40	6.5	
207-08-9	Benzo(k)fluoranthene	1100	40	7.2	
50-32-8	Benzo(a)pyrene	1110	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	1010	40	8.8	
53-70-3	Dibenz(a,h)anthracene	1030	40	8.7	
191-24-2	Benzo(g,h,i)perylene	1050	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	61	20-130	01/14/05	Acceptable
Phenol-d6	69	20-130	01/14/05	Acceptable
Nitrobenzene-d5	68	20-130	01/14/05	Acceptable
2-Fluorobiphenyl	73	20-130	01/14/05	Acceptable
2,4,6-Tribromophenol	89	20-130	01/14/05	Acceptable
Terphenyl-d14	93	20-130	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/14/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
Lab Code: KWG0419493-3
File ID: J:\MS14\DATA\011405\0114F023.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

† 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: K2409445
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419493-4
 File ID: J:\MS14\DATA\011405\0114F024.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	635	80	10	
62-53-3	Aniline	408 J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	767	40	8.7	
108-95-2	Phenol	761	100	17	
95-57-8	2-Chlorophenol	762	80	11	
541-73-1	1,3-Dichlorobenzene	733	40	11	
106-46-7	1,4-Dichlorobenzene	729	40	11	
95-50-1	1,2-Dichlorobenzene	768	40	12	
100-51-6	Benzyl Alcohol	697	40	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	738	40	11	
95-48-7	2-Methylphenol	744	80	53	
67-72-1	Hexachloroethane	751	40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	855	40	8.2	
106-44-5	4-Methylphenol†	731	80	15	
98-95-3	Nitrobenzene	778	40	10	
78-59-1	Isophorone	784	40	5.8	
88-75-5	2-Nitrophenol	773	40	15	*
105-67-9	2,4-Dimethylphenol	550	80	13	
111-91-1	Bis(2-chloroethoxy)methane	778	40	5.0	
120-83-2	2,4-Dichlorophenol	791	80	12	
65-85-0	Benzoic Acid	1600	800	190	*
120-82-1	1,2,4-Trichlorobenzene	770	40	9.9	
106-47-8	4-Chloroaniline	613	200	5.9	
87-68-3	Hexachlorobutadiene	738	40	8.5	
59-50-7	4-Chloro-3-methylphenol	871	200	72	
77-47-4	Hexachlorocyclopentadiene	611 J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	895	80	8.8	
95-95-4	2,4,5-Trichlorophenol	938	80	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419493-4
 File ID: J:\MS14\DATA\011405\0114F024.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

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	875	200	26	
131-11-3	Dimethyl Phthalate	942	40	5.1	
606-20-2	2,6-Dinitrotoluene	917	200	7.0	
99-09-2	3-Nitroaniline	885	400	8.9	
51-28-5	2,4-Dinitrophenol	1180	800	23	
100-02-7	4-Nitrophenol	1020	400	7.5	
121-14-2	2,4-Dinitrotoluene	990	200	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	914	40	4.5	
84-66-2	Diethyl Phthalate	1080	80	9.4	
100-01-6	4-Nitroaniline	1030	200	26	*
534-52-1	2-Methyl-4,6-dinitrophenol	1210	800	15	
86-30-6	N-Nitrosodiphenylamine	1090	40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	943	40	5.5	
118-74-1	Hexachlorobenzene	971	40	5.9	
87-86-5	Pentachlorophenol	993	400	31	*
86-74-8	Carbazole	1040	200	33	*
84-74-2	Di-n-butyl Phthalate	1050	200	16	
92-87-5	Benzidine	12.2 J	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	960	400	14	
91-94-1	3,3'-Dichlorobenzidine	864 J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	994	500	53	
117-84-0	Di-n-octyl Phthalate	892	400	13	
91-20-3	Naphthalene	777	40	8.6	
91-57-6	2-Methylnaphthalene	733	40	30	
208-96-8	Acenaphthylene	927	40	6.7	
83-32-9	Acenaphthene	831	40	6.6	
206-44-0	Fluoranthene	1150	40	5.7	*

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/09/2004
 Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0419493-4
 File ID: J:\MS14\DATA\011405\0114F024.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
 Calibration ID: CAL4150

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
86-73-7	Fluorene	933	40	5.8	
132-64-9	Dibenzofuran	828	40	21	
85-01-8	Phenanthrene	961	40	4.5	
120-12-7	Anthracene	1010	40	6.2	
129-00-0	Pyrene	960	40	9.9	
56-55-3	Benz(a)anthracene	1090	40	5.0	
218-01-9	Chrysene	1110	40	5.8	
205-99-2	Benzo(b)fluoranthene	1090	40	6.5	
207-08-9	Benzo(k)fluoranthene	1100	40	7.2	
50-32-8	Benzo(a)pyrene	1110	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	1010	40	8.8	
53-70-3	Dibenz(a,h)anthracene	1030	40	8.7	
191-24-2	Benzo(g,h,i)perylene	1040	40	6.5	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	59	20-130	01/15/05	Acceptable
Phenol-d6	66	20-130	01/15/05	Acceptable
Nitrobenzene-d5	64	20-130	01/15/05	Acceptable
2-Fluorobiphenyl	69	20-130	01/15/05	Acceptable
2,4,6-Tribromophenol	85	20-130	01/15/05	Acceptable
Terphenyl-d14	89	20-130	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
Date Collected: NA
Date Received: NA
Date Extracted: 12/09/2004
Date Analyzed: 01/15/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0419493-4
File ID: J:\MS14\DATA\011405\0114F024.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0419493
Calibration ID: CAL4150

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

† 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: K2409445
 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: K2409445
 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	
91-20-3	Naphthalene	785	40	8.6	
91-57-6	2-Methylnaphthalene	787	80	30	
208-96-8	Acenaphthylene	829	40	6.7	
83-32-9	Acenaphthene	729	40	6.6	
206-44-0	Fluoranthene	814	80	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
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
86-73-7	Fluorene	709	40	5.8	
132-64-9	Dibenzofuran	684	40	21	
85-01-8	Phenanthrene	758	80	4.5	
120-12-7	Anthracene	748	40	6.2	
129-00-0	Pyrene	713	40	9.9	
56-55-3	Benz(a)anthracene	858	40	5.0	
218-01-9	Chrysene	907	40	5.8	
205-99-2	Benzo(b)fluoranthene	871	40	6.5	
207-08-9	Benzo(k)fluoranthene	886	40	7.2	
50-32-8	Benzo(a)pyrene	899	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	804	40	8.8	
53-70-3	Dibenz(a,h)anthracene	822	40	8.7	
191-24-2	Benzo(g,h,i)perylene	764	40	6.5	

* See Case Narrative

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

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
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

† 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: K2409445
 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:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 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	
91-20-3	Naphthalene	695		40	8.6	
91-57-6	2-Methylnaphthalene	701		80	30	
208-96-8	Acenaphthylene	762		40	6.7	
83-32-9	Acenaphthene	682		40	6.6	
206-44-0	Fluoranthene	846		80	5.7	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
 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
86-73-7	Fluorene	676	40	5.8	
132-64-9	Dibenzofuran	649	40	21	
85-01-8	Phenanthrene	770	80	4.5	
120-12-7	Anthracene	749	40	6.2	
129-00-0	Pyrene	742	40	9.9	
56-55-3	Benz(a)anthracene	875	40	5.0	
218-01-9	Chrysene	924	40	5.8	
205-99-2	Benzo(b)fluoranthene	900	40	6.5	
207-08-9	Benzo(k)fluoranthene	924	40	7.2	
50-32-8	Benzo(a)pyrene	929	40	7.3	
193-39-5	Indeno(1,2,3-cd)pyrene	832	40	8.8	
53-70-3	Dibenz(a,h)anthracene	838	40	8.7	
191-24-2	Benzo(g,h,i)perylene	689	40	6.5	

* See Case Narrative

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

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409445
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

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments: