

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-M-M-PP-FL-comp-1

Lab Code: K2409809-001

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0116	0.0012	5	1/04/05	1/14/05	0.0016	B	
Arsenic	6020	0.116	0.007	5	1/04/05	1/14/05	0.563		
Cadmium	6020	0.0046	0.0012	5	1/04/05	1/14/05	0.0046	U	
Chromium	6010B	0.12	0.07	1	1/04/05	1/9/05	0.12	U	
Cobalt	6020	0.0046	0.0005	5	1/04/05	1/14/05	0.0054		
Copper	6020	0.023	0.021	5	1/20/05	1/25/05	1.100		
Lead	6020	0.005	0.001	5	1/20/05	1/25/05	0.022		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.040		
Molybdenum	6020	0.0116	0.0007	5	1/04/05	1/14/05	0.0026	B	
Nickel	6020	0.046	0.007	5	1/04/05	1/14/05	0.052		
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.12		
Silver	6020	0.0046	0.0009	5	1/04/05	1/14/05	0.0046	U	
Thallium	6020	0.0046	0.0005	5	1/04/05	1/14/05	0.0046	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.2	U	
Zinc	6010B	0.23	0.07	1	1/20/05	1/26/05	7.47		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-M-M-SP-FL-comp-1

Lab Code: K2409809-002

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0114	0.0011	5	1/04/05	1/14/05	0.0114	U	
Arsenic	6020	0.114	0.007	5	1/04/05	1/14/05	0.274		
Cadmium	6020	0.0046	0.0011	5	1/04/05	1/14/05	0.0046	U	
Chromium	6010B	0.11	0.07	1	1/04/05	1/9/05	0.11	U	
Cobalt	6020	0.0046	0.0005	5	1/04/05	1/14/05	0.0071		
Copper	6020	0.023	0.021	5	1/20/05	1/25/05	1.250		
Lead	6020	0.005	0.001	5	1/20/05	1/25/05	0.023		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.053		
Molybdenum	6020	0.0114	0.0007	5	1/04/05	1/14/05	0.0025	B	
Nickel	6020	0.046	0.007	5	1/04/05	1/14/05	0.064		
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.10		
Silver	6020	0.0046	0.0009	5	1/04/05	1/14/05	0.0046	U	
Thallium	6020	0.0046	0.0005	5	1/04/05	1/14/05	0.0046	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.2	U	
Zinc	6010B	0.23	0.07	1	1/20/05	1/26/05	9.33		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-Tl-M-ES-FL-comp-1

Lab Code: K2409809-003

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0112	0.0011	5	1/04/05	1/14/05	0.0015	B	
Arsenic	6020	0.112	0.007	5	1/04/05	1/14/05	6.180		
Cadmium	6020	0.0045	0.0011	5	1/04/05	1/14/05	0.0045	U	
Chromium	6010B	0.11	0.07	1	1/04/05	1/9/05	0.11	U	
Cobalt	6020	0.0045	0.0004	5	1/04/05	1/14/05	0.0048		
Copper	6020	0.023	0.020	5	1/20/05	1/25/05	1.260		
Lead	6020	0.005	0.001	5	1/20/05	1/25/05	0.137		
Mercury	7471A	0.003	0.001	1	1/17/05	1/19/05	0.018		
Molybdenum	6020	0.0112	0.0007	5	1/04/05	1/14/05	0.0049	B	
Nickel	6020	0.045	0.007	5	1/04/05	1/14/05	0.042	B	
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.20		
Silver	6020	0.0045	0.0009	5	1/04/05	1/14/05	0.0045	U	
Thallium	6020	0.0045	0.0004	5	1/04/05	1/14/05	0.0045	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.2	U	
Zinc	6010B	0.23	0.07	1	1/20/05	1/26/05	7.74		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-004

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0110	0.0011	5	1/04/05	1/14/05	0.0012	B	
Arsenic	6020	0.110	0.007	5	1/04/05	1/14/05	6.890		
Cadmium	6020	0.0044	0.0011	5	1/04/05	1/14/05	0.0044	U	
Chromium	6010B	0.11	0.07	1	1/04/05	1/9/05	0.11	U	
Cobalt	6020	0.0044	0.0004	5	1/04/05	1/14/05	0.0038	B	
Copper	6020	0.022	0.020	5	1/20/05	1/25/05	1.270		
Lead	6020	0.004	0.001	5	1/20/05	1/25/05	0.134		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.018		
Molybdenum	6020	0.0110	0.0007	5	1/04/05	1/14/05	0.0046	B	
Nickel	6020	0.044	0.007	5	1/04/05	1/14/05	0.022	B	
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.20		
Silver	6020	0.0044	0.0009	5	1/04/05	1/14/05	0.0044	U	
Thallium	6020	0.0044	0.0004	5	1/04/05	1/14/05	0.0044	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.2	U	
Zinc	6010B	0.22	0.07	1	1/20/05	1/26/05	8.08		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-005

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0112	0.0011	5	1/04/05	1/14/05	0.0112	U	
Arsenic	6020	0.112	0.007	5	1/04/05	1/14/05	5.830		
Cadmium	6020	0.0045	0.0011	5	1/04/05	1/14/05	0.0013	B	
Chromium	6010B	0.11	0.07	1	1/04/05	1/9/05	0.11	U	
Cobalt	6020	0.0045	0.0004	5	1/04/05	1/14/05	0.0045		
Copper	6020	0.022	0.020	5	1/20/05	1/25/05	1.100		
Lead	6020	0.004	0.001	5	1/20/05	1/25/05	0.109		
Mercury	7471A	0.004	0.001	1	1/17/05	1/19/05	0.025		
Molybdenum	6020	0.0112	0.0007	5	1/04/05	1/14/05	0.0056	B	
Nickel	6020	0.045	0.007	5	1/04/05	1/14/05	0.024	B	
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.17		
Silver	6020	0.0045	0.0009	5	1/04/05	1/14/05	0.0045	U	
Thallium	6020	0.0045	0.0004	5	1/04/05	1/14/05	0.0045	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.2	U	
Zinc	6010B	0.22	0.07	1	1/20/05	1/26/05	8.89		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-006

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0119	0.0012	5	1/04/05	1/14/05	0.0119	U	
Arsenic	6020	0.119	0.007	5	1/04/05	1/14/05	5.160		
Cadmium	6020	0.0048	0.0012	5	1/04/05	1/14/05	0.0048	U	
Chromium	6010B	0.12	0.07	1	1/04/05	1/9/05	0.12	U	
Cobalt	6020	0.0048	0.0005	5	1/04/05	1/14/05	0.0037	B	
Copper	6020	0.024	0.022	5	1/20/05	1/25/05	1.140		
Lead	6020	0.005	0.001	5	1/20/05	1/25/05	0.062		
Mercury	7471A	0.004	0.001	1	1/17/05	1/19/05	0.014		
Molybdenum	6020	0.0119	0.0007	5	1/04/05	1/14/05	0.0055	B	
Nickel	6020	0.048	0.007	5	1/04/05	1/14/05	0.015	B	
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.16		
Silver	6020	0.0048	0.0010	5	1/04/05	1/14/05	0.0048	U	
Thallium	6020	0.0048	0.0005	5	1/04/05	1/14/05	0.0048	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.2	U	
Zinc	6010B	0.24	0.07	1	1/20/05	1/26/05	7.35		

% Solids: NA

Comments:

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-ES-FL-comp-1

Lab Code: K2409809-007

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0109	0.0011	5	1/04/05	1/14/05	0.0109	U	
Arsenic	6020	0.109	0.007	5	1/04/05	1/14/05	4.650		
Cadmium	6020	0.0044	0.0011	5	1/04/05	1/14/05	0.0044	U	
Chromium	6010B	0.11	0.07	1	1/04/05	1/9/05	0.11	U	
Cobalt	6020	0.0044	0.0004	5	1/04/05	1/14/05	0.0044		
Copper	6020	0.022	0.020	5	1/20/05	1/25/05	1.320		
Lead	6020	0.004	0.001	5	1/20/05	1/25/05	0.098		
Mercury	7471A	0.004	0.001	1	1/17/05	1/19/05	0.013		
Molybdenum	6020	0.0109	0.0007	5	1/04/05	1/14/05	0.0046	B	
Nickel	6020	0.044	0.007	5	1/04/05	1/14/05	0.020	B	
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.19		
Silver	6020	0.0044	0.0009	5	1/04/05	1/14/05	0.0044	U	
Thallium	6020	0.0044	0.0004	5	1/04/05	1/14/05	0.0044	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.2	U	
Zinc	6010B	0.22	0.07	1	1/20/05	1/26/05	7.48		

% Solids: NA

Comments:

METALS
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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 09/02/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-M-ES-FL-comp-1

Lab Code: K2409809-008

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0104	0.0010	5	1/04/05	1/14/05	0.0104	U	
Arsenic	6020	0.104	0.006	5	1/04/05	1/14/05	4.110		
Cadmium	6020	0.0042	0.0010	5	1/04/05	1/14/05	0.0042	U	
Chromium	6010B	0.10	0.06	1	1/04/05	1/9/05	0.10	U	
Cobalt	6020	0.0042	0.0004	5	1/04/05	1/14/05	0.0045		
Copper	6020	0.021	0.019	5	1/20/05	1/25/05	1.390		
Lead	6020	0.004	0.001	5	1/20/05	1/25/05	0.090		
Mercury	7471A	0.003	0.001	1	1/17/05	1/19/05	0.013		
Molybdenum	6020	0.0104	0.0006	5	1/04/05	1/14/05	0.0046	B	
Nickel	6020	0.042	0.006	5	1/04/05	1/14/05	0.019	B	
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.15		
Silver	6020	0.0042	0.0008	5	1/04/05	1/14/05	0.0042	U	
Thallium	6020	0.0042	0.0004	5	1/04/05	1/14/05	0.0042	U	
Vanadium	6010B	0.2	0.1	1	1/04/05	1/9/05	0.2	U	
Zinc	6010B	0.21	0.06	1	1/20/05	1/26/05	7.37		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-ES-WB-comp-4

Lab Code: K2409809-009

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0130	0.0013	5	1/04/05	1/14/05	0.0077	B	
Arsenic	6020	0.130	0.008	5	1/04/05	1/14/05	3.290		
Cadmium	6020	0.0052	0.0013	5	1/04/05	1/14/05	0.0077		
Chromium	6010B	0.13	0.08	1	1/04/05	1/9/05	0.17		
Cobalt	6020	0.0052	0.0005	5	1/04/05	1/14/05	0.0516		
Copper	6020	0.026	0.023	5	1/20/05	1/25/05	3.170		
Lead	6020	0.005	0.002	5	1/20/05	1/25/05	0.946		
Mercury	7471A	0.003	0.001	1	1/17/05	1/19/05	0.006		
Molybdenum	6020	0.0130	0.0008	5	1/04/05	1/14/05	0.0213		
Nickel	6020	0.052	0.008	5	1/04/05	1/14/05	0.201		
Selenium	7742	0.03	0.02	2	1/04/05	1/13/05	0.21		
Silver	6020	0.0052	0.0010	5	1/04/05	1/14/05	0.0033	B	
Thallium	6020	0.0052	0.0005	5	1/04/05	1/14/05	0.0005	B	
Vanadium	6010B	0.3	0.2	1	1/04/05	1/9/05	0.4		
Zinc	6010B	0.26	0.08	1	1/20/05	1/26/05	14.4		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-ES-WB-comp-5

Lab Code: K2409809-010

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0135	0.0014	5	1/04/05	1/14/05	0.0046	B	
Arsenic	6020	0.135	0.008	5	1/04/05	1/14/05	3.270		
Cadmium	6020	0.0054	0.0014	5	1/04/05	1/14/05	0.0073		
Chromium	6010B	0.14	0.08	1	1/04/05	1/9/05	0.14	U	
Cobalt	6020	0.0054	0.0005	5	1/04/05	1/14/05	0.0285		
Copper	6020	0.027	0.024	5	1/20/05	1/25/05	2.800		
Lead	6020	0.005	0.002	5	1/20/05	1/25/05	0.478		
Mercury	7471A	0.004	0.001	1	1/17/05	1/19/05	0.005		
Molybdenum	6020	0.0135	0.0008	5	1/04/05	1/14/05	0.0133	B	
Nickel	6020	0.054	0.008	5	1/04/05	1/14/05	0.131		
Selenium	7742	0.03	0.02	2	1/04/05	1/13/05	0.21		
Silver	6020	0.0054	0.0011	5	1/04/05	1/14/05	0.0034	B	
Thallium	6020	0.0054	0.0005	5	1/04/05	1/14/05	0.0054	U	
Vanadium	6010B	0.3	0.2	1	1/04/05	1/9/05	0.2	B	
Zinc	6010B	0.27	0.08	1	1/20/05	1/26/05	14.2		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T2-M-ES-WB-comp-6

Lab Code: K2409809-011

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0128	0.0013	5	1/04/05	1/14/05	0.0065	B	
Arsenic	6020	0.128	0.008	5	1/04/05	1/14/05	3.350		
Cadmium	6020	0.0051	0.0013	5	1/04/05	1/14/05	0.0079		
Chromium	6010B	0.13	0.08	1	1/04/05	1/9/05	0.22		
Cobalt	6020	0.0051	0.0005	5	1/04/05	1/14/05	0.0403		
Copper	6020	0.025	0.023	5	1/20/05	1/25/05	3.100		
Lead	6020	0.005	0.002	5	1/20/05	1/25/05	0.702		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.005		
Molybdenum	6020	0.0128	0.0008	5	1/04/05	1/14/05	0.0211		
Nickel	6020	0.051	0.008	5	1/04/05	1/14/05	0.201		
Selenium	7742	0.03	0.02	2	1/04/05	1/13/05	0.19		
Silver	6020	0.0051	0.0010	5	1/04/05	1/14/05	0.0042	B	
Thallium	6020	0.0051	0.0005	5	1/04/05	1/14/05	0.0005	B	
Vanadium	6010B	0.3	0.2	1	1/04/05	1/9/05	0.4		
Zinc	6010B	0.25	0.08	1	1/20/05	1/26/05	12.6		

% Solids: NA

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-ES-WB-comp-1

Lab Code: K2409809-012

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0130	0.0013	5	1/04/05	1/14/05	0.0025	B	
Arsenic	6020	0.130	0.008	5	1/04/05	1/14/05	2.230		
Cadmium	6020	0.0052	0.0013	5	1/04/05	1/14/05	0.0042	B	
Chromium	6010B	0.13	0.08	1	1/04/05	1/9/05	0.13	U	
Cobalt	6020	0.0052	0.0005	5	1/04/05	1/14/05	0.0302		
Copper	6020	0.026	0.024	5	1/20/05	1/25/05	2.120		
Lead	6020	0.005	0.002	5	1/20/05	1/25/05	0.258		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.010		
Molybdenum	6020	0.0130	0.0008	5	1/04/05	1/14/05	0.0121	B	
Nickel	6020	0.052	0.008	5	1/04/05	1/14/05	0.127		
Selenium	7742	0.03	0.02	2	1/04/05	1/13/05	0.20		
Silver	6020	0.0052	0.0010	5	1/04/05	1/14/05	0.0016	B	
Thallium	6020	0.0052	0.0005	5	1/04/05	1/14/05	0.0052	U	
Vanadium	6010B	0.3	0.2	1	1/04/05	1/9/05	0.3	B	
Zinc	6010B	0.26	0.08	1	1/20/05	1/26/05	12.8		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-013

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0122	0.0012	5	1/04/05	1/14/05	0.0037	B	
Arsenic	6020	0.122	0.007	5	1/04/05	1/14/05	3.340		
Cadmium	6020	0.0049	0.0012	5	1/04/05	1/14/05	0.0055		
Chromium	6010B	0.12	0.07	1	1/04/05	1/9/05	0.19		
Cobalt	6020	0.0049	0.0005	5	1/04/05	1/14/05	0.0496		
Copper	6020	0.024	0.022	5	1/20/05	1/25/05	2.780		
Lead	6020	0.005	0.001	5	1/20/05	1/25/05	0.400		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.010		
Molybdenum	6020	0.0122	0.0007	5	1/04/05	1/14/05	0.0186		
Nickel	6020	0.049	0.007	5	1/04/05	1/14/05	0.189		
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.16		
Silver	6020	0.0049	0.0010	5	1/04/05	1/14/05	0.0024	B	
Thallium	6020	0.0049	0.0005	5	1/04/05	1/14/05	0.0049	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.4		
Zinc	6010B	0.24	0.07	1	1/20/05	1/26/05	12.9		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-ES-WB-comp-3

Lab Code: K2409809-014

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0126	0.0013	5	1/04/05	1/14/05	0.0037	B	
Arsenic	6020	0.126	0.008	5	1/04/05	1/14/05	3.030		
Cadmium	6020	0.0050	0.0013	5	1/04/05	1/14/05	0.0072		
Chromium	6010B	0.13	0.08	1	1/04/05	1/9/05	0.39		
Cobalt	6020	0.0050	0.0005	5	1/04/05	1/14/05	0.0949		
Copper	6020	0.025	0.023	5	1/20/05	1/25/05	2.420		
Lead	6020	0.005	0.002	5	1/20/05	1/25/05	0.518		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.011		
Molybdenum	6020	0.0126	0.0008	5	1/04/05	1/14/05	0.0430		
Nickel	6020	0.050	0.008	5	1/04/05	1/14/05	0.280		
Selenium	7742	0.03	0.02	2	1/04/05	1/13/05	0.22		
Silver	6020	0.0050	0.0010	5	1/04/05	1/14/05	0.0040	B	
Thallium	6020	0.0050	0.0005	5	1/04/05	1/14/05	0.0050	U	
Vanadium	6010B	0.3	0.2	1	1/04/05	1/9/05	0.4		
Zinc	6010B	0.25	0.08	1	1/20/05	1/26/05	12.4		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-ES-WB-comp-4

Lab Code: K2409809-015

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0113	0.0011	5	1/04/05	1/14/05	0.0037	B	
Arsenic	6020	0.113	0.007	5	1/04/05	1/14/05	3.320		
Cadmium	6020	0.0045	0.0011	5	1/04/05	1/14/05	0.0070		
Chromium	6010B	0.11	0.07	1	1/04/05	1/9/05	0.17		
Cobalt	6020	0.0045	0.0005	5	1/04/05	1/14/05	0.0456		
Copper	6020	0.023	0.020	5	1/20/05	1/25/05	3.470		
Lead	6020	0.005	0.001	5	1/20/05	1/25/05	0.638		
Mercury	7471A	0.003	0.001	1	1/17/05	1/19/05	0.010		
Molybdenum	6020	0.0113	0.0007	5	1/04/05	1/14/05	0.0167		
Nickel	6020	0.045	0.007	5	1/04/05	1/14/05	0.185		
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.13		
Silver	6020	0.0045	0.0009	5	1/04/05	1/14/05	0.0029	B	
Thallium	6020	0.0045	0.0005	5	1/04/05	1/14/05	0.0045	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.4		
Zinc	6010B	0.23	0.07	1	1/20/05	1/26/05	13.4		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/05/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-ES-WB-comp-5

Lab Code: K2409809-016

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0108	0.0011	5	1/04/05	1/14/05	0.0029	B	
Arsenic	6020	0.108	0.007	5	1/04/05	1/14/05	4.230		
Cadmium	6020	0.0043	0.0011	5	1/04/05	1/14/05	0.0066		
Chromium	6010B	0.11	0.07	1	1/04/05	1/9/05	0.08	B	
Cobalt	6020	0.0043	0.0004	5	1/04/05	1/14/05	0.0315		
Copper	6020	0.022	0.019	5	1/20/05	1/25/05	2.360		
Lead	6020	0.004	0.001	5	1/20/05	1/25/05	0.520		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.020		
Molybdenum	6020	0.0108	0.0007	5	1/04/05	1/14/05	0.0137		
Nickel	6020	0.043	0.007	5	1/04/05	1/14/05	0.144		
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.16		
Silver	6020	0.0043	0.0009	5	1/04/05	1/14/05	0.0018	B	
Thallium	6020	0.0043	0.0004	5	1/04/05	1/14/05	0.0043	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.3		
Zinc	6010B	0.22	0.06	1	1/20/05	1/26/05	11.3		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/05/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T3-M-ES-WB-comp-6

Lab Code: K2409809-017

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0133	0.0013	5	1/04/05	1/14/05	0.0042	B	
Arsenic	6020	0.133	0.008	5	1/04/05	1/14/05	2.840		
Cadmium	6020	0.0053	0.0013	5	1/04/05	1/14/05	0.0053	B	
Chromium	6010B	0.13	0.08	1	1/04/05	1/9/05	0.13		
Cobalt	6020	0.0053	0.0005	5	1/04/05	1/14/05	0.0382		
Copper	6020	0.026	0.024	5	1/20/05	1/25/05	2.790		
Lead	6020	0.005	0.002	5	1/20/05	1/25/05	0.417		
Mercury	7471A	0.004	0.001	1	1/17/05	1/19/05	0.007		
Molybdenum	6020	0.0133	0.0008	5	1/04/05	1/14/05	0.0148		
Nickel	6020	0.053	0.008	5	1/04/05	1/14/05	0.161		
Selenium	7742	0.03	0.02	2	1/04/05	1/13/05	0.20		
Silver	6020	0.0053	0.0011	5	1/04/05	1/14/05	0.0026	B	
Thallium	6020	0.0053	0.0005	5	1/04/05	1/14/05	0.0053	U	
Vanadium	6010B	0.3	0.2	1	1/04/05	1/9/05	0.4		
Zinc	6010B	0.26	0.08	1	1/20/05	1/26/05	13.3		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 09/02/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-M-ES-WB-comp-1

Lab Code: K2409809-018

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0128	0.0013	5	1/04/05	1/14/05	0.0036	B	
Arsenic	6020	0.128	0.008	5	1/04/05	1/14/05	2.390		
Cadmium	6020	0.0051	0.0013	5	1/04/05	1/14/05	0.0042	B	
Chromium	6010B	0.13	0.08	1	1/04/05	1/9/05	0.13	U	
Cobalt	6020	0.0051	0.0005	5	1/04/05	1/14/05	0.0330		
Copper	6020	0.026	0.023	5	1/20/05	1/25/05	2.080		
Lead	6020	0.005	0.002	5	1/20/05	1/25/05	0.274		
Mercury	7471A	0.004	0.001	1	1/17/05	1/19/05	0.007		
Molybdenum	6020	0.0128	0.0008	5	1/04/05	1/14/05	0.0133		
Nickel	6020	0.051	0.008	5	1/04/05	1/14/05	0.120		
Selenium	7742	0.03	0.02	2	1/04/05	1/13/05	0.19		
Silver	6020	0.0051	0.0010	5	1/04/05	1/14/05	0.0013	B	
Thallium	6020	0.0051	0.0005	5	1/04/05	1/14/05	0.0051	U	
Vanadium	6010B	0.3	0.2	1	1/04/05	1/9/05	0.3		
Zinc	6010B	0.26	0.08	1	1/20/05	1/26/05	11.2		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-M-ES-WB-comp-3

Lab Code: K2409809-019

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0124	0.0012	5	1/04/05	1/14/05	0.0039	B	
Arsenic	6020	0.124	0.007	5	1/04/05	1/14/05	2.810		
Cadmium	6020	0.0050	0.0012	5	1/04/05	1/14/05	0.0048	B	
Chromium	6010B	0.12	0.07	1	1/04/05	1/9/05	0.11	B	
Cobalt	6020	0.0050	0.0005	5	1/04/05	1/14/05	0.0438		
Copper	6020	0.025	0.022	5	1/20/05	1/25/05	2.430		
Lead	6020	0.005	0.001	5	1/20/05	1/25/05	0.429		
Mercury	7471A	0.004	0.001	1	1/17/05	1/19/05	0.011		
Molybdenum	6020	0.0124	0.0007	5	1/04/05	1/14/05	0.0178		
Nickel	6020	0.050	0.007	5	1/04/05	1/14/05	0.160		
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.18		
Silver	6020	0.0050	0.0010	5	1/04/05	1/14/05	0.0024	B	
Thallium	6020	0.0050	0.0005	5	1/04/05	1/14/05	0.0050	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.4		
Zinc	6010B	0.25	0.07	1	1/20/05	1/26/05	11.7		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-M-SF-WB-comp-1

Lab Code: K2409809-020

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0111	0.0011	5	1/04/05	1/14/05	0.0035	B	
Arsenic	6020	0.111	0.007	5	1/04/05	1/14/05	0.973		
Cadmium	6020	0.0044	0.0011	5	1/04/05	1/14/05	0.0062		
Chromium	6010B	0.11	0.07	1	1/04/05	1/9/05	0.14		
Cobalt	6020	0.0044	0.0004	5	1/04/05	1/14/05	0.0496		
Copper	6020	0.022	0.020	5	1/20/05	1/25/05	2.770		
Lead	6020	0.004	0.001	5	1/20/05	1/25/05	0.403		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.026		
Molybdenum	6020	0.0111	0.0007	5	1/04/05	1/14/05	0.0143		
Nickel	6020	0.044	0.007	5	1/04/05	1/14/05	0.202		
Selenium	7742	0.02	0.01	2	1/04/05	1/13/05	0.13		
Silver	6020	0.0044	0.0009	5	1/04/05	1/14/05	0.0013	B	
Thallium	6020	0.0044	0.0004	5	1/04/05	1/14/05	0.0044	U	
Vanadium	6010B	0.2	0.2	1	1/04/05	1/9/05	0.3		
Zinc	6010B	0.22	0.07	1	1/20/05	1/26/05	15.5		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/02/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-021

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0114	0.0011	5	1/07/05	1/14/05	0.0070	B	
Arsenic	6020	0.114	0.007	5	1/07/05	1/14/05	0.895		
Cadmium	6020	0.0046	0.0011	5	1/07/05	1/14/05	0.0079		
Chromium	6010B	0.11	0.07	1	1/07/05	1/12/05	3.74		
Cobalt	6020	0.0046	0.0005	5	1/07/05	1/14/05	0.2290		
Copper	6020	0.023	0.016	5	1/07/05	1/14/05	0.725		
Lead	6020	0.005	0.002	5	1/07/05	1/14/05	0.085		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.024		
Molybdenum	6020	0.0114	0.0007	5	1/07/05	1/14/05	0.4100		
Nickel	6020	0.046	0.007	5	1/07/05	1/14/05	2.060		
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.16		
Silver	6020	0.0046	0.0009	5	1/07/05	1/14/05	0.0076		N
Thallium	6020	0.0046	0.0005	5	1/07/05	1/14/05	0.0006	B	
Vanadium	6010B	0.2	0.2	1	1/07/05	1/12/05	0.5		
Zinc	6010B	0.23	0.07	1	1/07/05	1/12/05	16.1		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/04/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-M-SF-WB-comp-3

Lab Code: K2409809-022

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0112	0.0011	5	1/07/05	1/14/05	0.0028	B	
Arsenic	6020	0.112	0.007	5	1/07/05	1/14/05	0.793		
Cadmium	6020	0.0045	0.0011	5	1/07/05	1/14/05	0.0044	B	
Chromium	6010B	0.11	0.07	1	1/07/05	1/12/05	0.63		
Cobalt	6020	0.0045	0.0005	5	1/07/05	1/14/05	0.1450		
Copper	6020	0.023	0.016	5	1/07/05	1/14/05	0.550		
Lead	6020	0.005	0.002	5	1/07/05	1/14/05	0.035		
Mercury	7471A	0.004	0.001	1	1/17/05	1/19/05	0.021		
Molybdenum	6020	0.0112	0.0007	5	1/07/05	1/14/05	0.0463		
Nickel	6020	0.045	0.007	5	1/07/05	1/14/05	0.329		
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.14		
Silver	6020	0.0045	0.0009	5	1/07/05	1/14/05	0.0031	B	N
Thallium	6020	0.0045	0.0005	5	1/07/05	1/14/05	0.0045	U	
Vanadium	6010B	0.2	0.2	1	1/07/05	1/12/05	0.2	B	
Zinc	6010B	0.23	0.07	1	1/07/05	1/12/05	15.1		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

Sample Name: LDW-T4-M-SF-FL-comp-1

Lab Code: K2409809-023

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0109	0.0011	5	1/07/05	1/14/05	0.0036	B	
Arsenic	6020	0.109	0.007	5	1/07/05	1/14/05	0.899		
Cadmium	6020	0.0043	0.0011	5	1/07/05	1/14/05	0.0043	U	
Chromium	6010B	0.11	0.07	1	1/07/05	1/12/05	0.11	U	
Cobalt	6020	0.0043	0.0004	5	1/07/05	1/14/05	0.0086		
Copper	6020	0.022	0.015	5	1/07/05	1/14/05	0.272		
Lead	6020	0.004	0.002	5	1/07/05	1/14/05	0.006		
Mercury	7471A	0.004	0.001	1	1/17/05	1/19/05	0.046		
Molybdenum	6020	0.0109	0.0007	5	1/07/05	1/14/05	0.0036	B	
Nickel	6020	0.043	0.007	5	1/07/05	1/14/05	0.034	B	
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.13		
Silver	6020	0.0043	0.0009	5	1/07/05	1/14/05	0.0043	U	N
Thallium	6020	0.0043	0.0004	5	1/07/05	1/14/05	0.0043	U	
Vanadium	6010B	0.2	0.2	1	1/07/05	1/12/05	0.2	U	
Zinc	6010B	0.22	0.07	1	1/07/05	1/12/05	7.93		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-024

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0078	0.0008	5	1/07/05	1/14/05	0.0024	B	
Arsenic	6020	0.078	0.005	5	1/07/05	1/14/05	3.850		
Cadmium	6020	0.0031	0.0008	5	1/07/05	1/14/05	0.0217		
Chromium	6010B	0.08	0.05	1	1/07/05	1/12/05	0.08	U	
Cobalt	6020	0.0031	0.0003	5	1/07/05	1/14/05	0.0498		
Copper	6020	0.016	0.011	5	1/07/05	1/14/05	7.090		
Lead	6020	0.003	0.001	5	1/07/05	1/14/05	0.021		
Mercury	7471A	0.003	0.001	1	1/17/05	1/19/05	0.034		
Molybdenum	6020	0.0078	0.0005	5	1/07/05	1/14/05	0.0127		
Nickel	6020	0.031	0.005	5	1/07/05	1/14/05	0.036		
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.16		
Silver	6020	0.0031	0.0006	5	1/07/05	1/14/05	0.1030		N
Thallium	6020	0.0031	0.0003	5	1/07/05	1/14/05	0.0031	U	
Vanadium	6010B	0.2	0.1	1	1/07/05	1/12/05	0.2	U	
Zinc	6010B	0.16	0.05	1	1/07/05	1/12/05	30.9		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-025

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0093	0.0009	5	1/07/05	1/14/05	0.0028	B	
Arsenic	6020	0.093	0.006	5	1/07/05	1/14/05	5.550		
Cadmium	6020	0.0037	0.0009	5	1/07/05	1/14/05	0.0152		
Chromium	6010B	0.09	0.06	1	1/07/05	1/12/05	0.09	U	
Cobalt	6020	0.0037	0.0004	5	1/07/05	1/14/05	0.0599		
Copper	6020	0.019	0.013	5	1/07/05	1/14/05	9.340		
Lead	6020	0.004	0.001	5	1/07/05	1/14/05	0.033		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.058		
Molybdenum	6020	0.0093	0.0006	5	1/07/05	1/14/05	0.0121		
Nickel	6020	0.037	0.006	5	1/07/05	1/14/05	0.031	B	
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.15		
Silver	6020	0.0037	0.0007	5	1/07/05	1/14/05	0.1200		N
Thallium	6020	0.0037	0.0004	5	1/07/05	1/14/05	0.0037	U	
Vanadium	6010B	0.2	0.1	1	1/07/05	1/12/05	0.2	U	
Zinc	6010B	0.19	0.06	1	1/07/05	1/12/05	36.3		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-026

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0075	0.0008	5	1/07/05	1/14/05	0.0022	B	
Arsenic	6020	0.075	0.005	5	1/07/05	1/14/05	4.160		
Cadmium	6020	0.0030	0.0008	5	1/07/05	1/14/05	0.0149		
Chromium	6010B	0.08	0.05	1	1/07/05	1/12/05	0.08	U	
Cobalt	6020	0.0030	0.0003	5	1/07/05	1/14/05	0.0338		
Copper	6020	0.015	0.011	5	1/07/05	1/14/05	6.570		
Lead	6020	0.003	0.001	5	1/07/05	1/14/05	0.025		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.054		
Molybdenum	6020	0.0075	0.0005	5	1/07/05	1/14/05	0.0110		
Nickel	6020	0.030	0.005	5	1/07/05	1/14/05	0.029	B	
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.13		
Silver	6020	0.0030	0.0006	5	1/07/05	1/14/05	0.0885		N
Thallium	6020	0.0030	0.0003	5	1/07/05	1/14/05	0.0030	U	
Vanadium	6010B	0.2	0.1	1	1/07/05	1/12/05	0.2	U	
Zinc	6010B	0.15	0.05	1	1/07/05	1/12/05	29.0		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-027

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0080	0.0008	5	1/07/05	1/14/05	0.0087		
Arsenic	6020	0.080	0.005	5	1/07/05	1/14/05	4.030		
Cadmium	6020	0.0032	0.0008	5	1/07/05	1/14/05	0.7250		
Chromium	6010B	0.08	0.05	1	1/07/05	1/12/05	0.08	U	
Cobalt	6020	0.0032	0.0003	5	1/07/05	1/14/05	0.1680		
Copper	6020	0.016	0.011	5	1/07/05	1/14/05	33.2		
Lead	6020	0.003	0.001	5	1/07/05	1/14/05	0.094		
Mercury	7471A	0.003	0.001	1	1/17/05	1/19/05	0.026		
Molybdenum	6020	0.0080	0.0005	5	1/07/05	1/14/05	0.0840		
Nickel	6020	0.032	0.005	5	1/07/05	1/14/05	0.097		
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.23		
Silver	6020	0.0032	0.0006	5	1/07/05	1/14/05	0.4270		N
Thallium	6020	0.0032	0.0003	5	1/07/05	1/14/05	0.0032	U	
Vanadium	6010B	0.2	0.1	1	1/07/05	1/12/05	0.2	U	
Zinc	6010B	0.16	0.05	1	1/07/05	1/12/05	14.8		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/30/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-028

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0095	0.0010	5	1/07/05	1/14/05	0.0018	B	
Arsenic	6020	0.095	0.006	5	1/07/05	1/14/05	2.540		
Cadmium	6020	0.0038	0.0010	5	1/07/05	1/14/05	0.0078		
Chromium	6010B	0.10	0.06	1	1/07/05	1/12/05	0.10	U	
Cobalt	6020	0.0038	0.0004	5	1/07/05	1/14/05	0.0482		
Copper	6020	0.019	0.013	5	1/07/05	1/14/05	7.880		
Lead	6020	0.004	0.001	5	1/07/05	1/14/05	0.013		
Mercury	7471A	0.003	0.001	1	1/17/05	1/19/05	0.058		
Molybdenum	6020	0.0095	0.0006	5	1/07/05	1/14/05	0.0130		
Nickel	6020	0.038	0.006	5	1/07/05	1/14/05	0.036	B	
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.14		
Silver	6020	0.0038	0.0008	5	1/07/05	1/14/05	0.0985		N
Thallium	6020	0.0038	0.0004	5	1/07/05	1/14/05	0.0038	U	
Vanadium	6010B	0.2	0.1	1	1/07/05	1/12/05	0.2	U	
Zinc	6010B	0.19	0.06	1	1/07/05	1/12/05	35.1		

% Solids: NA

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 09/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-029

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0100	0.0010	5	1/07/05	1/14/05	0.0017	B	
Arsenic	6020	0.100	0.006	5	1/07/05	1/14/05	2.920		
Cadmium	6020	0.0040	0.0010	5	1/07/05	1/14/05	0.0055		
Chromium	6010B	0.10	0.06	1	1/07/05	1/12/05	0.10	U	
Cobalt	6020	0.0040	0.0004	5	1/07/05	1/14/05	0.0397		
Copper	6020	0.020	0.014	5	1/07/05	1/14/05	7.210		
Lead	6020	0.004	0.001	5	1/07/05	1/14/05	0.013		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.044		
Molybdenum	6020	0.0100	0.0006	5	1/07/05	1/14/05	0.0108		
Nickel	6020	0.040	0.006	5	1/07/05	1/14/05	0.022	B	
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.14		
Silver	6020	0.0040	0.0008	5	1/07/05	1/14/05	0.0996		N
Thallium	6020	0.0040	0.0004	5	1/07/05	1/14/05	0.0040	U	
Vanadium	6010B	0.2	0.1	1	1/07/05	1/12/05	0.2	U	
Zinc	6010B	0.20	0.06	1	1/07/05	1/12/05	35.6		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 09/01/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-030

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0087	0.0009	5	1/07/05	1/14/05	0.0015	B	
Arsenic	6020	0.087	0.005	5	1/07/05	1/14/05	3.690		
Cadmium	6020	0.0035	0.0009	5	1/07/05	1/14/05	0.0092		
Chromium	6010B	0.09	0.05	1	1/07/05	1/12/05	0.09	U	
Cobalt	6020	0.0035	0.0003	5	1/07/05	1/14/05	0.0620		
Copper	6020	0.017	0.012	5	1/07/05	1/14/05	7.710		
Lead	6020	0.003	0.001	5	1/07/05	1/14/05	0.013		
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.062		
Molybdenum	6020	0.0087	0.0005	5	1/07/05	1/14/05	0.0118		
Nickel	6020	0.035	0.005	5	1/07/05	1/14/05	0.045		
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.12		
Silver	6020	0.0035	0.0007	5	1/07/05	1/14/05	0.1030		N
Thallium	6020	0.0035	0.0003	5	1/07/05	1/14/05	0.0035	U	
Vanadium	6010B	0.2	0.1	1	1/07/05	1/12/05	0.2	U	
Zinc	6010B	0.17	0.05	1	1/07/05	1/12/05	30.1		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

Project No.: 04-08-06-22

Date Collected: 08/03/04

Project Name: LDWG

Date Received: 12/09/04

Matrix: TISSUE

Units: mg/kg

Basis: Wet

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

Lab Code: K2409809-031

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0100	0.0010	5	1/07/05	1/14/05	0.0051	B	
Arsenic	6020	0.100	0.006	5	1/07/05	1/14/05	3.080		
Cadmium	6020	0.0040	0.0010	5	1/07/05	1/14/05	0.3020		
Chromium	6010B	0.10	0.06	1	1/07/05	1/12/05	0.10	U	
Cobalt	6020	0.0040	0.0004	5	1/07/05	1/14/05	0.1830		
Copper	6020	0.020	0.014	5	1/07/05	1/14/05	21.7		
Lead	6020	0.004	0.001	5	1/07/05	1/14/05	0.037		
Mercury	7471A	0.003	0.001	1	1/17/05	1/19/05	0.027		
Molybdenum	6020	0.0100	0.0006	5	1/07/05	1/14/05	0.1040		
Nickel	6020	0.040	0.006	5	1/07/05	1/14/05	0.082		
Selenium	7742	0.02	0.01	2	1/07/05	1/13/05	0.23		
Silver	6020	0.0040	0.0008	5	1/07/05	1/14/05	0.2460		N
Thallium	6020	0.0040	0.0004	5	1/07/05	1/14/05	0.0004	B	
Vanadium	6010B	0.2	0.1	1	1/07/05	1/12/05	0.2	B	
Zinc	6010B	0.20	0.06	1	1/07/05	1/12/05	16.2		

% Solids: NA

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

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: K2409809-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0150	0.0015	5	1/04/05	1/14/05	0.0150	U	
Arsenic	6020	0.150	0.009	5	1/04/05	1/14/05	0.150	U	
Cadmium	6020	0.0060	0.0015	5	1/04/05	1/14/05	0.0060	U	
Chromium	6010B	0.15	0.09	1	1/04/05	1/9/05	0.15	U	
Cobalt	6020	0.0060	0.0006	5	1/04/05	1/14/05	0.0060	U	
Copper	6020	0.030	0.027	5	1/20/05	1/25/05	0.030	U	
Lead	6020	0.006	0.002	5	1/20/05	1/25/05	0.006	B	
Mercury	7471A	0.004	0.002	1	1/17/05	1/19/05	0.004	U	
Molybdenum	6020	0.0150	0.0009	5	1/04/05	1/14/05	0.0027	B	
Nickel	6020	0.060	0.009	5	1/04/05	1/14/05	0.060	U	
Selenium	7742	0.03	0.02	2	1/04/05	1/13/05	0.03	U	
Silver	6020	0.0060	0.0012	5	1/04/05	1/14/05	0.0060	U	
Thallium	6020	0.0060	0.0006	5	1/04/05	1/14/05	0.0060	U	
Vanadium	6010B	0.3	0.2	1	1/04/05	1/9/05	0.3	U	
Zinc	6010B	1.00	0.30	1	1/20/05	1/26/05	1.00	U	

% Solids: NA

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Windward Environmental

Service Request: K2409809

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: K2409809-MB2

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.0150	0.0015	5	1/07/05	1/14/05	0.0150	U	
Arsenic	6020	0.150	0.009	5	1/07/05	1/14/05	0.150	U	
Cadmium	6020	0.0060	0.0015	5	1/07/05	1/14/05	0.0060	U	
Chromium	6010B	0.15	0.09	1	1/07/05	1/12/05	0.15	U	
Cobalt	6020	0.0060	0.0006	5	1/07/05	1/14/05	0.0060	U	
Copper	6020	0.030	0.021	5	1/07/05	1/14/05	0.030	U	
Lead	6020	0.006	0.002	5	1/07/05	1/14/05	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	1/07/05	1/14/05	0.0020	B	
Nickel	6020	0.060	0.009	5	1/07/05	1/14/05	0.010	B	
Selenium	7742	0.03	0.02	2	1/07/05	1/13/05	0.03	U	
Silver	6020	0.0060	0.0012	5	1/07/05	1/14/05	0.0060	U	N
Thallium	6020	0.0060	0.0006	5	1/07/05	1/14/05	0.0060	U	
Vanadium	6010B	0.3	0.2	1	1/07/05	1/12/05	0.3	U	
Zinc	6010B	0.30	0.09	1	1/07/05	1/12/05	0.30	U	

% Solids: NA

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-M-M-PP-FL-comp-1
Lab Code: K2409809-001
File ID: J:\GC26\DATA\010505\0105F008.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5 U	1.5	0.54	
688-73-3	Tri-n-butyltin	4.8	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5 J	1.5	0.50	
2406-65-7	n-Butyltin	1.5 U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	30	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-M-M-SP-FL-comp-1
Lab Code: K2409809-002
File ID: J:\GC26\DATA\010505\0105F009.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	7.0		1.5	0.48	
1002-53-5	Di-n-butyltin	1.3	J	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	32	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T1-M-ES-FL-comp-1
Lab Code: K2409809-003
File ID: J:\GC26\DATA\010505\0105F010.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5 U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.6	1.5	0.48	
1002-53-5	Di-n-butyltin	0.55 J	1.5	0.50	
2406-65-7	n-Butyltin	1.5 U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	35	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T1-M-ES-FL-comp-2
Lab Code: K2409809-004
File ID: J:\GC26\DATA\010505\0105F011.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.4	J	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	40	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T2-M-ES-FL-comp-1
Lab Code: K2409809-005
File ID: J:\GC26\DATA\010505\0105F012.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.2	J	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	36	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T2-M-ES-FL-comp-2
Lab Code: K2409809-006
File ID: J:\GC26\DATA\010505\0105F013.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5 U	1.5	0.54	
688-73-3	Tri-n-butyltin	2.2	1.5	0.47	
1002-53-5	Di-n-butyltin	0.70 J	1.5	0.50	
2406-65-7	n-Butyltin	1.5 U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	42	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-ES-FL-comp-1
Lab Code: K2409809-007
File ID: J:\GC26\DATA\010505\0105F014.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

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

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	34	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T4-M-ES-FL-comp-1
Lab Code: K2409809-008
File ID: J:\GC26\DATA\010505\0105F018.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5 U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.7	1.5	0.47	
1002-53-5	Di-n-butyltin	0.55 J	1.5	0.50	
2406-65-7	n-Butyltin	1.5 U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	39	20-130	01/06/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/17/2005

Butyltins (as cation)

Sample Name: LDW-T2-M-ES-WB-comp-4
Lab Code: K2409809-009
File ID: J:\GC26\DATA\011705\0117F004.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	7.1		1.5	0.47	
1002-53-5	Di-n-butyltin	2.7		1.5	0.50	
2406-65-7	n-Butyltin	0.94	J	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	46	20-130	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/17/2005

Butyltins (as cation)

Sample Name: LDW-T2-M-ES-WB-comp-5
Lab Code: K2409809-010
File ID: J:\GC26\DATA\011705\0117F005.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5 U	1.5	0.55	
688-73-3	Tri-n-butyltin	7.0	1.5	0.48	
1002-53-5	Di-n-butyltin	2.3	1.5	0.50	
2406-65-7	n-Butyltin	1.5 U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	46	20-130	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/17/2005

Butyltins (as cation)

Sample Name: LDW-T2-M-ES-WB-comp-6
Lab Code: K2409809-011
File ID: J:\GC26\DATA\011705\0117F006.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	6.8		1.5	0.47	
1002-53-5	Di-n-butyltin	2.7		1.5	0.50	
2406-65-7	n-Butyltin	0.58	J	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	39	20-130	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/17/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-ES-WB-comp-1
Lab Code: K2409809-012
File ID: J:\GC26\DATA\011705\0117F007.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5 U	1.5	0.55	
688-73-3	Tri-n-butyltin	3.3	1.5	0.48	
1002-53-5	Di-n-butyltin	1.6	1.5	0.50	
2406-65-7	n-Butyltin	1.5 U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	42	20-130	01/17/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-ES-WB-comp-2
Lab Code: K2409809-013
File ID: J:\GC26\DATA\010505\0105F023.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	5.0		1.5	0.47	
1002-53-5	Di-n-butyltin	1.7	P	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	44	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-ES-WB-comp-3
Lab Code: K2409809-014
File ID: J:\GC26\DATA\010505\0105F024.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
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	3.1		1.5	0.47	
1002-53-5	Di-n-butyltin	2.0		1.5	0.50	
2406-65-7	n-Butyltin	1.0	J	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	45	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-ES-WB-comp-4
Lab Code: K2409809-015
File ID: J:\GC26\DATA\010505\0105F025.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	3.7		1.5	0.47	
1002-53-5	Di-n-butyltin	2.0		1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	46	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-ES-WB-comp-5
Lab Code: K2409809-016
File ID: J:\GC26\DATA\010505\0105F029.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	4.9		1.5	0.48	
1002-53-5	Di-n-butyltin	1.3	J	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	48	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/17/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-ES-WB-comp-6
Lab Code: K2409809-017
File ID: J:\GC26\DATA\011705\0117F008.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	3.2		1.5	0.47	
1002-53-5	Di-n-butyltin	2.3		1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	44	20-130	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/17/2005

Butyltins (as cation)

Sample Name: LDW-T4-M-ES-WB-comp-1
Lab Code: K2409809-018
File ID: J:\GC26\DATA\011705\0117F009.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	3.5		1.5	0.48	
1002-53-5	Di-n-butyltin	1.4	J	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	44	20-130	01/17/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/17/2005

Butyltins (as cation)

Sample Name: LDW-T4-M-ES-WB-comp-3
Lab Code: K2409809-019
File ID: J:\GC26\DATA\011705\0117F010.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
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	4.6		1.5	0.47	
1002-53-5	Di-n-butyltin	1.9		1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	46	20-130	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: LDW-T4-M-SF-WB-comp-1
Lab Code: K2409809-020
File ID: J:\GC26\DATA\010505\0105F034.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5 U	1.5	0.54	
688-73-3	Tri-n-butyltin	15	1.5	0.47	
1002-53-5	Di-n-butyltin	5.8	1.5	0.50	
2406-65-7	n-Butyltin	1.9	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	46	20-130	01/06/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T4-M-SF-WB-comp-2
Lab Code: K2409809-021
File ID: J:\GC26\DATA\011005\0110F009.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	11		1.5	0.47	
1002-53-5	Di-n-butyltin	2.6		1.5	0.50	
2406-65-7	n-Butyltin	1.0	J	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	47	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T4-M-SF-WB-comp-3
Lab Code: K2409809-022
File ID: J:\GC26\DATA\011005\0110F010.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
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	11		1.5	0.47	
1002-53-5	Di-n-butyltin	3.1		1.5	0.50	
2406-65-7	n-Butyltin	0.64	J	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	41	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T4-M-SF-FL-comp-1
Lab Code: K2409809-023
File ID: J:\GC26\DATA\011005\0110F011.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	4.4		1.5	0.48	
1002-53-5	Di-n-butyltin	1.2	J	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	37	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T1-M-DC-EM-comp-1
Lab Code: K2409809-024
File ID: J:\GC26\DATA\011005\0110F012.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5 U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.6	1.5	0.48	
1002-53-5	Di-n-butyltin	1.5 U	1.5	0.50	
2406-65-7	n-Butyltin	1.5 U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	45	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T1-M-DC-EM-comp-2
Lab Code: K2409809-025
File ID: J:\GC26\DATA\011005\0110F013.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

Sample Amount: 7.08 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	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.5	J	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	30	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T1-M-DC-EM-comp-3
Lab Code: K2409809-026
File ID: J:\GC26\DATA\011005\0110F018.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	2.5		1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	44	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T1-M-DC-HP-comp-1
Lab Code: K2409809-027
File ID: J:\GC26\DATA\011005\0110F019.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5 U	1.5	0.54	
688-73-3	Tri-n-butyltin	16	1.5	0.47	
1002-53-5	Di-n-butyltin	7.7	1.5	0.50	
2406-65-7	n-Butyltin	1.3 J	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	47	20-130	01/10/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-DC-EM-comp-1
Lab Code: K2409809-028
File ID: J:\GC26\DATA\011005\0110F020.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.4	J	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	40	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/03/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-DC-EM-comp-2
Lab Code: K2409809-029
File ID: J:\GC26\DATA\011005\0110F021.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
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	3.3		1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	38	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/01/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-DC-EM-comp-3
Lab Code: K2409809-030
File ID: J:\GC26\DATA\011005\0110F022.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

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

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	35	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/24/2005

Butyltins (as cation)

Sample Name: LDW-T3-M-DC-HP-comp-1
Lab Code: K2409809-031
File ID: J:\GC26\DATA\012405\0124F007.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	40		1.5	0.48	
1002-53-5	Di-n-butyltin	8.3		1.5	0.50	
2406-65-7	n-Butyltin	1.6		1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	46	20-130	01/24/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/29/2004
Date Analyzed: 01/17/2005

Butyltins (as cation)

Sample Name: LDW-T4-M-ES-WB-comp-3DUP
Lab Code: KWG0420179-1
File ID: J:\GC26\DATA\011705\0117F011.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	5.1		1.5	0.47	
1002-53-5	Di-n-butyltin	1.7		1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	46	20-130	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: LDW-T1-M-DC-EM-comp-2DU
Lab Code: KWG0420180-1
File ID: J:\GC26\DATA\011005\0110F014.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	1.5	U	1.5	0.55	
688-73-3	Tri-n-butyltin	1.6		1.5	0.48	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.55	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	44	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: Method Blank
Lab Code: KWG0420179-4
File ID: J:\GC26\DATA\010505\0105F004.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

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

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	33	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: Method Blank
Lab Code: KWG0420180-4
File ID: J:\GC26\DATA\011005\0110F004.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

Sample Amount: 7.08 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	1.5	U	1.5	0.54	
688-73-3	Tri-n-butyltin	1.5	U	1.5	0.47	
1002-53-5	Di-n-butyltin	1.5	U	1.5	0.50	
2406-65-7	n-Butyltin	1.5	U	1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	47	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: Lab Control Sample
Lab Code: KWG0420179-2
File ID: J:\GC26\DATA\010505\0105F005.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	25.7	1.5	0.54	
688-73-3	Tri-n-butyltin	21.9	1.5	0.47	
1002-53-5	Di-n-butyltin	20.0	1.5	0.50	
2406-65-7	n-Butyltin	10.6	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	37	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/29/2004
Date Analyzed: 01/06/2005

Butyltins (as cation)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420179-3
File ID: J:\GC26\DATA\010505\0105F006.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420179
Calibration ID: CAL3996

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

Column1: RTX-1
Column2: RTX-35

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
1461-25-2	Tetra-n-butyltin	23.3	1.5	0.54	
688-73-3	Tri-n-butyltin	19.9	1.5	0.47	
1002-53-5	Di-n-butyltin	17.5	1.5	0.50	
2406-65-7	n-Butyltin	8.61	1.5	0.54	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	31	20-130	01/06/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: Lab Control Sample
Lab Code: KWG0420180-2
File ID: J:\GC26\DATA\011005\0110F005.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

Sample Amount: 7.08 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	28.2		1.5	0.54	
688-73-3	Tri-n-butyltin	23.9		1.5	0.47	
1002-53-5	Di-n-butyltin	22.5		1.5	0.50	
2406-65-7	n-Butyltin	14.4		1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	43	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 01/03/2005
Date Analyzed: 01/10/2005

Butyltins (as cation)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420180-3
File ID: J:\GC26\DATA\011005\0110F006.D
Instrument ID: GC26

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: METHOD
Analysis Method: GC-FPD

Extraction Lot: KWG0420180
Calibration ID: CAL3996

Sample Amount: 7.08 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	30.6		1.5	0.54	
688-73-3	Tri-n-butyltin	23.8		1.5	0.47	
1002-53-5	Di-n-butyltin	22.1		1.5	0.50	
2406-65-7	n-Butyltin	12.5		1.5	0.54	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tri-n-propyltin	41	20-130	01/10/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/29/2004
Date Analyzed: 1/6/2005

Standard Reference Material
Butyltins

Sample Name: CRM 477
Lab Code: KWG0420179-5
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Tri-n-butyltin Cation	Method	Krone	2200 ± 190	1000	1000-3600	
Di-n-butyltin Cation	Method	Krone	1540 ± 120	760	710-2500	
n-butyltin Cation	Method	Krone	1500 ± 280	990	610-2700	

Approved By: _____

LCS (44)/091898p
09809SVG.mll - srm 1/25/2005

Date: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 1/3/2005
Date Analyzed: 1/10/2005

Standard Reference Material
Butyltins

Sample Name: CRM 477
Lab Code: KWG0420180-5
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Tri-n-butyltin Cation	Method	Krone	2200 ± 190	1200	1000-3600	
Di-n-butyltin Cation	Method	Krone	1540 ± 120	860	710-2500	
n-butyltin Cation	Method	Krone	1500 ± 280	1100	610-2700	

Approved By: _____

Date: _____

LCS (44)/091898p

09809SVG.mtl1 - srm (2) 1/25/2005

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Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-M-M-PP-FL-comp-1
 Lab Code: K2409809-001
 File ID: J:\GC23\DATA\012005\0120F010.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420007
 Calibration ID: CAL4164

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

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	*
1024-57-3	Heptachlor Epoxide	7.2	U	7.2	1.1	*
5103-74-2	gamma-Chlordane†	3.9	JD	7.2	1.0	*
959-98-8	Endosulfan I	7.2	U	7.2	0.93	*
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	*
60-57-1	Dieldrin	7.2	U	7.2	0.79	*
72-55-9	4,4'-DDE	1.0	JPD	7.2	0.86	*
72-20-8	Endrin	0.89	JD	7.2	0.71	*
33213-65-9	Endosulfan II	7.2	U	7.2	2.5	*
72-54-8	4,4'-DDD	7.2	U	7.2	0.93	*
7421-93-4	Endrin Aldehyde	7.2	U	7.2	1.3	*
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	*
50-29-3	4,4'-DDT	3.2	JPD	7.2	2.8	*
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	*
72-43-5	Methoxychlor	7.2	U	7.2	2.0	*
8001-35-2	Toxaphene	360	Ui	360	51	
3424-82-6	2,4'-DDE	7.2	U	7.2	0.69	*
53-19-0	2,4'-DDD	7.2	U	7.2	1.3	*
789-02-6	2,4'-DDT	6.0	JD	7.2	1.6	*
2385-85-5	Mirex	7.2	U	7.2	2.0	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-M-M-PP-FL-comp-1
Lab Code: K2409809-001
File ID: J:\GC23\DATA\012005\0120F010.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	64	30-150	01/21/05	Acceptable
Decachlorobiphenyl	58	30-150	01/21/05	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: LDWG/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409809
 Date Collected: 08/04/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-M-M-SP-FL-comp-1
 Lab Code: K2409809-002
 File ID: J:\GC23\DATA\012005\0120F011.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420007
 Calibration ID: CAL4164

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

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	*
1024-57-3	Heptachlor Epoxide	7.2 U	7.2	1.1	*
5103-74-2	gamma-Chlordane†	5.9 JD	7.2	1.0	*
959-98-8	Endosulfan I	7.2 U	7.2	0.93	*
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	*
60-57-1	Dieldrin	7.2 U	7.2	0.79	*
72-55-9	4,4'-DDE	1.5 JPD	7.2	0.86	*
72-20-8	Endrin	2.4 JD	7.2	0.71	*
33213-65-9	Endosulfan II	7.2 U	7.2	2.5	*
72-54-8	4,4'-DDD	7.2 U	7.2	0.93	*
7421-93-4	Endrin Aldehyde	7.2 U	7.2	1.3	*
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	*
50-29-3	4,4'-DDT	11 PD	7.2	2.8	*
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	*
72-43-5	Methoxychlor	7.2 U	7.2	2.0	*
8001-35-2	Toxaphene	360 Ui	360	130	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	2.9	*
53-19-0	2,4'-DDD	7.2 U	7.2	1.3	*
789-02-6	2,4'-DDT	13 D	7.2	1.6	*
2385-85-5	Mirex	7.2 U	7.2	2.0	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-M-M-SP-FL-comp-1
Lab Code: K2409809-002
File ID: J:\GC23\DATA\012005\0120F011.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	67	30-150	01/21/05	Acceptable
Decachlorobiphenyl	55	30-150	01/21/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-FL-comp-1
Lab Code: K2409809-003
File ID: J:\GC23\DATA\012005\0120F012.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	*
1024-57-3	Heptachlor Epoxide	7.2	U	7.2	1.1	*
5103-74-2	gamma-Chlordane†	18	D	7.2	1.0	*
959-98-8	Endosulfan I	1.9	JD	7.2	0.93	*
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	*
60-57-1	Dieldrin	7.2	U	7.2	0.79	*
72-55-9	4,4'-DDE	7.2	Ui	7.2	7.2	*
72-20-8	Endrin	7.2	Ui	7.2	1.7	*
33213-65-9	Endosulfan II	7.2	U	7.2	2.5	*
72-54-8	4,4'-DDD	4.7	JD	7.2	0.93	*
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	7.2	*
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	*
50-29-3	4,4'-DDT	28	PD	7.2	2.8	*
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	*
72-43-5	Methoxychlor	7.2	U	7.2	2.0	*
8001-35-2	Toxaphene	360	Ui	360	360	
3424-82-6	2,4'-DDE	7.2	U	7.2	0.69	*
53-19-0	2,4'-DDD	7.2	Ui	7.2	7.2	*
789-02-6	2,4'-DDT	42	D	7.2	1.6	*
2385-85-5	Mirex	7.2	U	7.2	2.0	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-FL-comp-1
Lab Code: K2409809-003
File ID: J:\GC23\DATA\012005\0120F012.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	69	30-150	01/21/05	Acceptable
Decachlorobiphenyl	57	30-150	01/21/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-FL-comp-2
Lab Code: K2409809-004
File ID: J:\GC23\DATA\012005\0120F013.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	*
1024-57-3	Heptachlor Epoxide	7.2	U	7.2	1.1	*
5103-74-2	gamma-Chlordane†	16	D	7.2	1.0	*
959-98-8	Endosulfan I	1.7	JD	7.2	0.93	*
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	*
60-57-1	Dieldrin	7.2	Ui	7.2	7.2	*
72-55-9	4,4'-DDE	7.2	Ui	7.2	7.2	*
72-20-8	Endrin	7.2	Ui	7.2	1.6	*
33213-65-9	Endosulfan II	7.2	U	7.2	2.5	*
72-54-8	4,4'-DDD	4.1	JD	7.2	0.93	*
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	1.7	*
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	*
50-29-3	4,4'-DDT	25	PD	7.2	2.8	*
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	*
72-43-5	Methoxychlor	7.2	U	7.2	2.0	*
8001-35-2	Toxaphene	360	Ui	360	360	
3424-82-6	2,4'-DDE	7.2	U	7.2	0.69	*
53-19-0	2,4'-DDD	7.2	Ui	7.2	7.2	*
789-02-6	2,4'-DDT	37	D	7.2	1.6	*
2385-85-5	Mirex	7.2	U	7.2	2.0	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-ES-FL-comp-2
Lab Code: K2409809-004
File ID: J:\GC23\DATA\012005\0120F013.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

Sample Amount: 14.00 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	72	30-150	01/21/05	Acceptable
Decachlorobiphenyl	57	30-150	01/21/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-FL-comp-1
Lab Code: K2409809-005
File ID: J:\GC23\DATA\012005\0120F014.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	*
1024-57-3	Heptachlor Epoxide	7.2 U	7.2	1.1	*
5103-74-2	gamma-Chlordane†	28 D	7.2	1.0	*
959-98-8	Endosulfan I	2.9 JD	7.2	0.93	*
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	*
60-57-1	Dieldrin	7.2 U	7.2	0.79	*
72-55-9	4,4'-DDE	12 PD	7.2	0.86	*
72-20-8	Endrin	7.2 Ui	7.2	1.8	*
33213-65-9	Endosulfan II	7.2 Ui	7.2	7.2	*
72-54-8	4,4'-DDD	5.8 JD	7.2	0.93	*
7421-93-4	Endrin Aldehyde	8.1 PD	7.2	1.3	*
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	*
50-29-3	4,4'-DDT	35 PD	7.2	2.8	*
53494-70-5	Endrin Ketone	7.2 Ui	7.2	7.2	*
72-43-5	Methoxychlor	7.2 U	7.2	2.0	*
8001-35-2	Toxaphene	440 Ui	440	440	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	7.2	*
53-19-0	2,4'-DDD	7.8 Ui	7.8	7.8	*
789-02-6	2,4'-DDT	50 D	7.2	1.6	*
2385-85-5	Mirex	7.2 U	7.2	2.0	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-FL-comp-1
Lab Code: K2409809-005
File ID: J:\GC23\DATA\012005\0120F014.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	30-150	01/21/05	Acceptable
Decachlorobiphenyl	56	30-150	01/21/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-FL-comp-2
Lab Code: K2409809-006
File ID: J:\GC23\DATA\012005\0120F015.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	1.6	JD	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	*
1024-57-3	Heptachlor Epoxide	7.2	U	7.2	1.1	*
5103-74-2	gamma-Chlordane†	23	D	7.2	1.0	*
959-98-8	Endosulfan I	7.2	Ui	7.2	2.0	*
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	*
60-57-1	Dieldrin	7.2	U	7.2	0.79	*
72-55-9	4,4'-DDE	7.8	PD	7.2	0.86	*
72-20-8	Endrin	7.2	Ui	7.2	1.8	*
33213-65-9	Endosulfan II	7.2	U	7.2	2.5	*
72-54-8	4,4'-DDD	5.8	JD	7.2	0.93	*
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	7.2	*
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	*
50-29-3	4,4'-DDT	33	PD	7.2	2.8	*
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	*
72-43-5	Methoxychlor	7.2	U	7.2	2.0	*
8001-35-2	Toxaphene	420	Ui	420	420	
3424-82-6	2,4'-DDE	7.2	U	7.2	0.69	*
53-19-0	2,4'-DDD	7.2	Ui	7.2	7.2	*
789-02-6	2,4'-DDT	45	D	7.2	1.6	*
2385-85-5	Mirex	7.2	U	7.2	2.0	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-FL-comp-2
Lab Code: K2409809-006
File ID: J:\GC23\DATA\012005\0120F015.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	66	30-150	01/21/05	Acceptable
Decachlorobiphenyl	50	30-150	01/21/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-FL-comp-1
Lab Code: K2409809-007
File ID: J:\GC23\DATA\012005\0120F016.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	*
1024-57-3	Heptachlor Epoxide	7.2 U	7.2	1.1	*
5103-74-2	gamma-Chlordane†	14 D	7.2	1.0	*
959-98-8	Endosulfan I	7.2 U	7.2	0.93	*
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	*
60-57-1	Dieldrin	7.2 U	7.2	0.79	*
72-55-9	4,4'-DDE	4.0 JPD	7.2	0.86	*
72-20-8	Endrin	7.2 Ui	7.2	1.6	*
33213-65-9	Endosulfan II	7.2 U	7.2	2.5	*
72-54-8	4,4'-DDD	2.5 JD	7.2	0.93	*
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	1.5	*
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	*
50-29-3	4,4'-DDT	20 PD	7.2	2.8	*
53494-70-5	Endrin Ketone	7.2 Ui	7.2	7.2	*
72-43-5	Methoxychlor	7.2 U	7.2	2.0	*
8001-35-2	Toxaphene	360 Ui	360	280	
3424-82-6	2,4'-DDE	7.2 U	7.2	0.69	*
53-19-0	2,4'-DDD	7.2 Ui	7.2	7.2	*
789-02-6	2,4'-DDT	32 PD	7.2	1.6	*
2385-85-5	Mirex	7.2 U	7.2	2.0	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-FL-comp-1
Lab Code: K2409809-007
File ID: J:\GC23\DATA\012005\0120F016.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	83	30-150	01/21/05	Acceptable
Decachlorobiphenyl	63	30-150	01/21/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-FL-comp-1
Lab Code: K2409809-008
File ID: J:\GC23\DATA\012005\0120F017.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	*
1024-57-3	Heptachlor Epoxide	7.2 U	7.2	1.1	*
5103-74-2	gamma-Chlordane†	10 D	7.2	1.0	*
959-98-8	Endosulfan I	7.2 U	7.2	0.93	*
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	*
60-57-1	Dieldrin	7.2 U	7.2	0.79	*
72-55-9	4,4'-DDE	2.6 JPD	7.2	0.86	*
72-20-8	Endrin	7.2 Ui	7.2	0.98	*
33213-65-9	Endosulfan II	7.2 U	7.2	2.5	*
72-54-8	4,4'-DDD	2.3 JD	7.2	0.93	*
7421-93-4	Endrin Aldehyde	7.2 U	7.2	1.3	*
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	*
50-29-3	4,4'-DDT	12 PD	7.2	2.8	*
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	*
72-43-5	Methoxychlor	7.2 U	7.2	2.0	*
8001-35-2	Toxaphene	360 Ui	360	210	
3424-82-6	2,4'-DDE	7.2 U	7.2	0.69	*
53-19-0	2,4'-DDD	7.2 Ui	7.2	7.2	*
789-02-6	2,4'-DDT	20 PD	7.2	1.6	*
2385-85-5	Mirex	7.2 U	7.2	2.0	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-FL-comp-1
Lab Code: K2409809-008
File ID: J:\GC23\DATA\012005\0120F017.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	71	30-150	01/21/05	Acceptable
Decachlorobiphenyl	49	30-150	01/21/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-4
Lab Code: K2409809-009
File ID: J:\GC23\DATA\012105\0121F105.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	5.1	JD	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	4.7	JD	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	2.3	JD	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	Ui	7.2	7.2	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	12	PD	7.2	1.1	
5103-74-2	gamma-Chlordane†	49	PD	7.2	1.0	
959-98-8	Endosulfan I	3.5	JPD	7.2	0.93	
5103-71-9	alpha-Chlordane	6.5	JPD	7.2	2.6	
60-57-1	Dieldrin	7.2	Ui	7.2	7.2	
72-55-9	4,4'-DDE	19	PD	7.2	0.86	
72-20-8	Endrin	7.2	Ui	7.2	7.0	
33213-65-9	Endosulfan II	7.2	Ui	7.2	7.2	
72-54-8	4,4'-DDD	18	D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	91	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	U	7.2	2.0	
8001-35-2	Toxaphene	1700	Ui	1700	1700	
3424-82-6	2,4'-DDE	18	Ui	18	18	
53-19-0	2,4'-DDD	18	Ui	18	18	
789-02-6	2,4'-DDT	110	D	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-4
Lab Code: K2409809-009
File ID: J:\GC23\DATA\012105\0121F105.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	67	30-150	01/23/05	Acceptable
Decachlorobiphenyl	94	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-5
Lab Code: K2409809-010
File ID: J:\GC23\DATA\012105\0121F106.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	6.6	JD	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	Ui	7.2	7.2	
1024-57-3	Heptachlor Epoxide	7.2	Ui	7.2	7.2	
5103-74-2	gamma-Chlordane†	44	D	7.2	1.0	
959-98-8	Endosulfan I	3.6	JPD	7.2	0.93	
5103-71-9	alpha-Chlordane	5.8	JPD	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	20	PD	7.2	0.86	
72-20-8	Endrin	7.2	Ui	7.2	7.0	
33213-65-9	Endosulfan II	7.2	Ui	7.2	7.2	
72-54-8	4,4'-DDD	14	D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	77	PD	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	U	7.2	2.0	
8001-35-2	Toxaphene	1400	Ui	1400	1400	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	7.2	
53-19-0	2,4'-DDD	19	Ui	19	19	
789-02-6	2,4'-DDT	90	D	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-5
Lab Code: K2409809-010
File ID: J:\GC23\DATA\012105\0121F106.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	104	30-150	01/23/05	Acceptable
Decachlorobiphenyl	96	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-6
Lab Code: K2409809-011
File ID: J:\GC23\DATA\012105\0121F107.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	7.2 Ui	7.2	1.9	
118-74-1	Hexachlorobenzene	7.2 Ui	7.2	3.1	
319-85-7	beta-BHC	7.6 PD	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2 Ui	7.2	7.2	
5103-74-2	gamma-Chlordane†	33 D	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	4.6 JD	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	14 PD	7.2	0.86	
72-20-8	Endrin	7.2 Ui	7.2	5.2	
33213-65-9	Endosulfan II	7.2 Ui	7.2	7.2	
72-54-8	4,4'-DDD	12 D	7.2	0.93	
7421-93-4	Endrin Aldehyde	5.5 JPD	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	62 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	
72-43-5	Methoxychlor	7.2 U	7.2	2.0	
8001-35-2	Toxaphene	990 Ui	990	990	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	7.2	
53-19-0	2,4'-DDD	14 Ui	14	14	
789-02-6	2,4'-DDT	69 D	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T2-M-ES-WB-comp-6
Lab Code: K2409809-011
File ID: J:\GC23\DATA\012105\0121F107.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	88	30-150	01/23/05	Acceptable
Decachlorobiphenyl	88	30-150	01/23/05	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: LDWG/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-1
 Lab Code: K2409809-012
 File ID: J:\GC23\DATA\012105\0121F108.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420007
 Calibration ID: CAL4164

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

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2	U	7.2	1.1	
5103-74-2	gamma-Chlordane†	39	D	7.2	1.0	
959-98-8	Endosulfan I	2.7	JPD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	Ui	7.2	7.2	
72-55-9	4,4'-DDE	12	PD	7.2	0.86	
72-20-8	Endrin	7.2	Ui	7.2	5.4	
33213-65-9	Endosulfan II	7.2	Ui	7.2	7.2	
72-54-8	4,4'-DDD	11	D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	71	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	Ui	7.2	7.2	
8001-35-2	Toxaphene	1300	Ui	1300	1300	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	7.2	
53-19-0	2,4'-DDD	88	Ui	88	88	
789-02-6	2,4'-DDT	85	D	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-1
Lab Code: K2409809-012
File ID: J:\GC23\DATA\012105\0121F108.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	92	30-150	01/23/05	Acceptable
Decachlorobiphenyl	94	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-2
Lab Code: K2409809-013
File ID: J:\GC23\DATA\012105\0121F109.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	5.6	JPD	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	Ui	7.2	7.2	
1024-57-3	Heptachlor Epoxide	7.2	Ui	7.2	7.2	
5103-74-2	gamma-Chlordane†	29	PD	7.2	1.0	
959-98-8	Endosulfan I	3.2	JPD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	10	PD	7.2	0.86	
72-20-8	Endrin	7.2	Ui	7.2	4.1	
33213-65-9	Endosulfan II	6.5	JPD	7.2	2.5	
72-54-8	4,4'-DDD	7.7	D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	60	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	Ui	7.2	7.2	
8001-35-2	Toxaphene	910	Ui	910	910	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	7.2	
53-19-0	2,4'-DDD	9.6	Ui	9.6	9.6	
789-02-6	2,4'-DDT	62	D	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-2
Lab Code: K2409809-013
File ID: J:\GC23\DATA\012105\0121F109.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	91	30-150	01/23/05	Acceptable
Decachlorobiphenyl	82	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-3
Lab Code: K2409809-014
File ID: J:\GC23\DATA\012105\0121F110.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.6 PD	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 Ui	7.2	2.1	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	9.4 Ui	9.4	9.4	
5103-74-2	gamma-Chlordane†	49 D	7.2	1.0	
959-98-8	Endosulfan I	3.7 JPD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 Ui	7.2	6.6	
60-57-1	Dieldrin	7.2 Ui	7.2	7.2	
72-55-9	4,4'-DDE	13 PD	7.2	0.86	
72-20-8	Endrin	7.2 Ui	7.2	7.2	
33213-65-9	Endosulfan II	11 PD	7.2	2.5	
72-54-8	4,4'-DDD	11 D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	100 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 Ui	7.2	7.2	
72-43-5	Methoxychlor	7.2 Ui	7.2	7.2	
8001-35-2	Toxaphene	1800 Ui	1800	1800	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	7.2	
53-19-0	2,4'-DDD	18 Ui	18	18	
789-02-6	2,4'-DDT	120 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-3
Lab Code: K2409809-014
File ID: J:\GC23\DATA\012105\0121F110.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	93	30-150	01/23/05	Acceptable
Decachlorobiphenyl	79	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-4
Lab Code: K2409809-015
File ID: J:\GC23\DATA\012105\0121F112.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	20	PD	7.2	1.1	
5103-74-2	gamma-Chlordane†	30	D	7.2	1.0	
959-98-8	Endosulfan I	2.2	JD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	12	PD	7.2	0.86	
72-20-8	Endrin	12	Ui	12	12	
33213-65-9	Endosulfan II	7.2	Ui	7.2	7.2	
72-54-8	4,4'-DDD	7.5	D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	68	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	Ui	7.2	7.2	
8001-35-2	Toxaphene	1200	Ui	1200	1200	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	7.2	
53-19-0	2,4'-DDD	11	Ui	11	11	
789-02-6	2,4'-DDT	74	D	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-4
Lab Code: K2409809-015
File ID: J:\GC23\DATA\012105\0121F112.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	106	30-150	01/23/05	Acceptable
Decachlorobiphenyl	100	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-5
Lab Code: K2409809-016
File ID: J:\GC23\DATA\012105\0121F113.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

Sample Amount: 14.05 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2 U	7.2	1.1	
5103-74-2	gamma-Chlordane†	22 D	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	10 PD	7.2	0.86	
72-20-8	Endrin	2.8 JD	7.2	0.71	
33213-65-9	Endosulfan II	7.2 Ui	7.2	7.2	
72-54-8	4,4'-DDD	7.0 JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	42 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	
72-43-5	Methoxychlor	7.2 U	7.2	2.0	
8001-35-2	Toxaphene	860 Ui	860	860	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	7.2	
53-19-0	2,4'-DDD	7.3 Ui	7.3	7.3	
789-02-6	2,4'-DDT	54 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-5
Lab Code: K2409809-016
File ID: J:\GC23\DATA\012105\0121F113.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

Sample Amount: 14.05 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	90	30-150	01/23/05	Acceptable
Decachlorobiphenyl	86	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-6
Lab Code: K2409809-017
File ID: J:\GC23\DATA\012105\0121F075.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2	U	7.2	1.1	
5103-74-2	gamma-Chlordane†	41	PD	7.2	1.0	
959-98-8	Endosulfan I	2.5	JPD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	15	PD	7.2	0.86	
72-20-8	Endrin	14	PD	7.2	0.71	
33213-65-9	Endosulfan II	7.2	Ui	7.2	7.2	
72-54-8	4,4'-DDD	12	D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	78	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	Ui	7.2	7.2	
72-43-5	Methoxychlor	23	Ui	23	23	
8001-35-2	Toxaphene	1200	Ui	1200	1200	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	7.2	
53-19-0	2,4'-DDD	16	Ui	16	16	
789-02-6	2,4'-DDT	96	D	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-6
Lab Code: K2409809-017
File ID: J:\GC23\DATA\012105\0121F075.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	30-150	01/23/05	Acceptable
Decachlorobiphenyl	79	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-1
Lab Code: K2409809-018
File ID: J:\GC23\DATA\012105\0121F076.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2	U	7.2	1.1	
5103-74-2	gamma-Chlordane†	33	PD	7.2	1.0	
959-98-8	Endosulfan I	7.2	U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	11	PD	7.2	0.86	
72-20-8	Endrin	7.2	Ui	7.2	2.6	
33213-65-9	Endosulfan II	7.2	Ui	7.2	7.2	
72-54-8	4,4'-DDD	11	D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	59	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	Ui	7.2	7.2	
72-43-5	Methoxychlor	7.2	Ui	7.2	7.2	
8001-35-2	Toxaphene	880	Ui	880	880	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	7.2	
53-19-0	2,4'-DDD	12	Ui	12	12	
789-02-6	2,4'-DDT	79	PD	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-1
Lab Code: K2409809-018
File ID: J:\GC23\DATA\012105\0121F076.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	70	30-150	01/23/05	Acceptable
Decachlorobiphenyl	77	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-3
Lab Code: K2409809-019
File ID: J:\GC23\DATA\012105\0121F077.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 Ui	7.2	2.9	
319-84-6	alpha-BHC	7.2 Ui	7.2	1.5	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	5.7 JPD	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	19 PD	7.2	1.1	
5103-74-2	gamma-Chlordane†	29 PD	7.2	1.0	
959-98-8	Endosulfan I	2.1 JPD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	11 PD	7.2	0.86	
72-20-8	Endrin	7.2 Ui	7.2	7.2	
33213-65-9	Endosulfan II	7.2 Ui	7.2	7.2	
72-54-8	4,4'-DDD	8.5 D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	52 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 Ui	7.2	7.2	
72-43-5	Methoxychlor	7.2 Ui	7.2	7.2	
8001-35-2	Toxaphene	770 Ui	770	770	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	7.2	
53-19-0	2,4'-DDD	9.9 Ui	9.9	9.9	
789-02-6	2,4'-DDT	74 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-ES-WB-comp-3
Lab Code: K2409809-019
File ID: J:\GC23\DATA\012105\0121F077.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	83	30-150	01/23/05	Acceptable
Decachlorobiphenyl	78	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-SF-WB-comp-1
Lab Code: K2409809-020
File ID: J:\GC23\DATA\012105\0121F078.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	Ui	7.2	7.2	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.9	D	7.2	1.1	
5103-74-2	gamma-Chlordane†	11	D	7.2	1.0	
959-98-8	Endosulfan I	7.2	U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	8.3	D	7.2	0.86	
72-20-8	Endrin	2.8	JPD	7.2	0.71	
33213-65-9	Endosulfan II	7.2	U	7.2	2.5	
72-54-8	4,4'-DDD	4.4	JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.1	JPD	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	27	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	Ui	7.2	7.2	
72-43-5	Methoxychlor	7.2	Ui	7.2	7.2	
8001-35-2	Toxaphene	360	Ui	360	360	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	7.2	
53-19-0	2,4'-DDD	7.2	Ui	7.2	7.2	
789-02-6	2,4'-DDT	40	PD	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-SF-WB-comp-1
Lab Code: K2409809-020
File ID: J:\GC23\DATA\012105\0121F078.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	104	30-150	01/23/05	Acceptable
Decachlorobiphenyl	80	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-SF-WB-comp-2
Lab Code: K2409809-021
File ID: J:\GC23\DATA\012105\0121F079.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-85-7	beta-BHC	4.0 JD	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2 Ui	7.2	3.4	
5103-74-2	gamma-Chlordane†	6.3 JD	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	6.7 JD	7.2	0.86	
72-20-8	Endrin	0.86 JPD	7.2	0.71	
33213-65-9	Endosulfan II	7.2 U	7.2	2.5	
72-54-8	4,4'-DDD	3.4 JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	1.6	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	18 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 Ui	7.2	7.2	
72-43-5	Methoxychlor	7.2 Ui	7.2	2.2	
8001-35-2	Toxaphene	360 Ui	360	220	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	7.2	
53-19-0	2,4'-DDD	7.2 Ui	7.2	7.2	
789-02-6	2,4'-DDT	23 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-SF-WB-comp-2
Lab Code: K2409809-021
File ID: J:\GC23\DATA\012105\0121F079.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	119	30-150	01/23/05	Acceptable
Decachlorobiphenyl	80	30-150	01/23/05	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: LDWG/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409809
 Date Collected: 08/04/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-SF-WB-comp-3
 Lab Code: K2409809-022
 File ID: J:\GC23\DATA\012105\0121F080.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420097
 Calibration ID: CAL4164

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

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 Ui	7.2	4.3	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 Ui	7.2	5.4	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2 Ui	7.2	5.2	
5103-74-2	gamma-Chlordane†	7.7 D	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	8.6 D	7.2	0.86	
72-20-8	Endrin	7.2 Ui	7.2	1.4	
33213-65-9	Endosulfan II	7.2 U	7.2	2.5	
72-54-8	4,4'-DDD	4.1 JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 U	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	25 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	
72-43-5	Methoxychlor	7.2 Ui	7.2	4.7	
8001-35-2	Toxaphene	360 Ui	360	310	
3424-82-6	2,4'-DDE	5.1 JPD	7.2	0.69	
53-19-0	2,4'-DDD	7.2 Ui	7.2	7.2	
789-02-6	2,4'-DDT	31 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-SF-WB-comp-3
Lab Code: K2409809-022
File ID: J:\GC23\DATA\012105\0121F080.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	30-150	01/23/05	Acceptable
Decachlorobiphenyl	75	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-SF-FL-comp-1
Lab Code: K2409809-023
File ID: J:\GC23\DATA\012105\0121F088.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2 U	7.2	1.1	
5103-74-2	gamma-Chlordane†	6.2 JD	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	5.9 JD	7.2	0.86	
72-20-8	Endrin	1.0 JPD	7.2	0.71	
33213-65-9	Endosulfan II	7.2 U	7.2	2.5	
72-54-8	4,4'-DDD	3.0 JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 U	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	18 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	
72-43-5	Methoxychlor	7.2 U	7.2	2.0	
8001-35-2	Toxaphene	360 Ui	360	200	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	4.2	
53-19-0	2,4'-DDD	7.2 Ui	7.2	7.2	
789-02-6	2,4'-DDT	31 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T4-M-SF-FL-comp-1
Lab Code: K2409809-023
File ID: J:\GC23\DATA\012105\0121F088.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	72	30-150	01/23/05	Acceptable
Decachlorobiphenyl	80	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-DC-EM-comp-1
Lab Code: K2409809-024
File ID: J:\GC23\DATA\012105\0121F089.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

Sample Amount: 14.05 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	1.7	JPD	7.2	1.1	
5103-74-2	gamma-Chlordane†	3.3	JPD	7.2	1.0	
959-98-8	Endosulfan I	7.2	U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	2.8	JD	7.2	0.86	
72-20-8	Endrin	7.2	U	7.2	0.71	
33213-65-9	Endosulfan II	7.2	U	7.2	2.5	
72-54-8	4,4'-DDD	7.2	U	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	U	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	7.6	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	U	7.2	2.0	
8001-35-2	Toxaphene	360	Ui	360	90	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	0.98	
53-19-0	2,4'-DDD	4.0	JPD	7.2	1.3	
789-02-6	2,4'-DDT	9.4	PD	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-DC-EM-comp-1
Lab Code: K2409809-024
File ID: J:\GC23\DATA\012105\0121F089.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

Sample Amount: 14.05 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	01/23/05	Acceptable
Decachlorobiphenyl	77	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-DC-EM-comp-2
Lab Code: K2409809-025
File ID: J:\GC23\DATA\012105\0121F091.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	2.3 JPD	7.2	1.1	
5103-74-2	gamma-Chlordane†	3.2 JPD	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	2.4 JD	7.2	0.86	
72-20-8	Endrin	7.2 U	7.2	0.71	
33213-65-9	Endosulfan II	7.2 U	7.2	2.5	
72-54-8	4,4'-DDD	7.2 U	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 U	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	6.6 JD	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	
72-43-5	Methoxychlor	7.2 U	7.2	2.0	
8001-35-2	Toxaphene	360 Ui	360	78	
3424-82-6	2,4'-DDE	7.2 U	7.2	0.69	
53-19-0	2,4'-DDD	7.2 U	7.2	1.3	
789-02-6	2,4'-DDT	8.7 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-DC-EM-comp-2
Lab Code: K2409809-025
File ID: J:\GC23\DATA\012105\0121F091.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	83	30-150	01/23/05	Acceptable
Decachlorobiphenyl	81	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-DC-EM-comp-3
Lab Code: K2409809-026
File ID: J:\GC23\DATA\012105\0121F092.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

Sample Amount: 14.06 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	2.1	JPD	7.2	1.1	
5103-74-2	gamma-Chlordane†	4.9	JPD	7.2	1.0	
959-98-8	Endosulfan I	7.2	U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	2.8	JD	7.2	0.86	
72-20-8	Endrin	7.2	U	7.2	0.71	
33213-65-9	Endosulfan II	7.2	U	7.2	2.5	
72-54-8	4,4'-DDD	7.2	U	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	U	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	11	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	U	7.2	2.0	
8001-35-2	Toxaphene	360	Ui	360	120	
3424-82-6	2,4'-DDE	7.2	U	7.2	0.69	
53-19-0	2,4'-DDD	7.2	Ui	7.2	6.1	
789-02-6	2,4'-DDT	13	PD	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-DC-EM-comp-3
Lab Code: K2409809-026
File ID: J:\GC23\DATA\012105\0121F092.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

Sample Amount: 14.06 g
% Solids: NA
Dilution Factor: 5

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	30-150	01/23/05	Acceptable
Decachlorobiphenyl	83	30-150	01/23/05	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: LDWG/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-DC-HP-comp-1
 Lab Code: K2409809-027
 File ID: J:\GC23\DATA\012105\0121F093.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420097
 Calibration ID: CAL4164

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

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	12 PD	7.2	1.1	
5103-74-2	gamma-Chlordane†	63 PD	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	46 D	7.2	0.86	
72-20-8	Endrin	9.4 Ui	9.4	9.4	
33213-65-9	Endosulfan II	8.7 Ui	8.7	8.7	
72-54-8	4,4'-DDD	6.1 JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	160 D	7.2	2.8	
53494-70-5	Endrin Ketone	13 Ui	13	13	
72-43-5	Methoxychlor	12 Ui	12	12	
8001-35-2	Toxaphene	1900 Ui	1900	1900	
3424-82-6	2,4'-DDE	26 Ui	26	26	
53-19-0	2,4'-DDD	26 Ui	26	26	
789-02-6	2,4'-DDT	180 D	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-DC-HP-comp-1
Lab Code: K2409809-027
File ID: J:\GC23\DATA\012105\0121F093.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	100	30-150	01/23/05	Acceptable
Decachlorobiphenyl	82	30-150	01/23/05	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: LDWG/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-DC-EM-comp-1
 Lab Code: K2409809-028
 File ID: J:\GC23\DATA\012105\0121F094.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420097
 Calibration ID: CAL4164

Sample Amount: 14.06 g
 % Solids: NA
 Dilution Factor: 5

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	1.7	JPD	7.2	1.1	
5103-74-2	gamma-Chlordane†	3.4	JPD	7.2	1.0	
959-98-8	Endosulfan I	7.2	U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	2.0	JD	7.2	0.86	
72-20-8	Endrin	7.2	Ui	7.2	0.90	
33213-65-9	Endosulfan II	7.2	U	7.2	2.5	
72-54-8	4,4'-DDD	7.2	U	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	U	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	7.6	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	U	7.2	2.0	
8001-35-2	Toxaphene	360	Ui	360	99	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	1.4	
53-19-0	2,4'-DDD	7.2	Ui	7.2	5.3	
789-02-6	2,4'-DDT	9.4	PD	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-DC-EM-comp-1
Lab Code: K2409809-028
File ID: J:\GC23\DATA\012105\0121F094.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

Sample Amount: 14.06 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	01/23/05	Acceptable
Decachlorobiphenyl	78	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 09/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-DC-EM-comp-2
Lab Code: K2409809-029
File ID: J:\GC23\DATA\012105\0121F095.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2	Ui	7.2	7.0	
5103-74-2	gamma-Chlordane†	5.4	JPD	7.2	1.0	
959-98-8	Endosulfan I	7.2	U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	2.1	JD	7.2	0.86	
72-20-8	Endrin	7.2	U	7.2	0.71	
33213-65-9	Endosulfan II	7.2	U	7.2	2.5	
72-54-8	4,4'-DDD	7.2	U	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	U	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	10	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	U	7.2	2.0	
8001-35-2	Toxaphene	360	Ui	360	140	
3424-82-6	2,4'-DDE	7.2	U	7.2	0.69	
53-19-0	2,4'-DDD	7.2	Ui	7.2	7.2	
789-02-6	2,4'-DDT	13	PD	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-DC-EM-comp-2
Lab Code: K2409809-029
File ID: J:\GC23\DATA\012105\0121F095.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	30-150	01/23/05	Acceptable
Decachlorobiphenyl	81	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 09/01/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-DC-EM-comp-3
Lab Code: K2409809-030
File ID: J:\GC23\DATA\012105\0121F096.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2	U	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	1.6	JPD	7.2	1.1	
5103-74-2	gamma-Chlordane†	3.9	JPD	7.2	1.0	
959-98-8	Endosulfan I	7.2	U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2	U	7.2	2.6	
60-57-1	Dieldrin	7.2	U	7.2	0.79	
72-55-9	4,4'-DDE	2.1	JD	7.2	0.86	
72-20-8	Endrin	7.2	Ui	7.2	0.98	
33213-65-9	Endosulfan II	7.2	U	7.2	2.5	
72-54-8	4,4'-DDD	7.2	U	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2	U	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	8.2	D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2	U	7.2	2.1	
72-43-5	Methoxychlor	7.2	U	7.2	2.0	
8001-35-2	Toxaphene	360	Ui	360	99	
3424-82-6	2,4'-DDE	7.2	Ui	7.2	0.97	
53-19-0	2,4'-DDD	7.2	U	7.2	1.3	
789-02-6	2,4'-DDT	9.6	PD	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/01/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-DC-EM-comp-3
Lab Code: K2409809-030
File ID: J:\GC23\DATA\012105\0121F096.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	30-150	01/23/05	Acceptable
Decachlorobiphenyl	82	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-DC-HP-comp-1
Lab Code: K2409809-031
File ID: J:\GC23\DATA\012105\0121F097.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	3.3	JD	7.2	2.5	
319-84-6	alpha-BHC	7.2	U	7.2	1.2	
319-85-7	beta-BHC	7.2	U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2	U	7.2	2.0	
319-86-8	delta-BHC	7.2	U	7.2	2.5	
76-44-8	Heptachlor	7.2	U	7.2	3.3	
309-00-2	Aldrin	7.2	U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	11	Ui	11	11	
5103-74-2	gamma-Chlordane†	73	PD	7.2	1.0	
959-98-8	Endosulfan I	7.2	Ui	7.2	5.0	
5103-71-9	alpha-Chlordane	7.2	Ui	7.2	4.1	
60-57-1	Dieldrin	34	Ui	34	34	
72-55-9	4,4'-DDE	41	D	7.2	0.86	
72-20-8	Endrin	12	Ui	12	12	
33213-65-9	Endosulfan II	11	Ui	11	11	
72-54-8	4,4'-DDD	6.6	JD	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.9	Ui	7.9	7.9	
1031-07-8	Endosulfan Sulfate	7.2	U	7.2	2.0	
50-29-3	4,4'-DDT	180	D	7.2	2.8	
53494-70-5	Endrin Ketone	14	Ui	14	14	
72-43-5	Methoxychlor	7.2	U	7.2	2.0	
8001-35-2	Toxaphene	2200	Ui	2200	2200	
3424-82-6	2,4'-DDE	32	Ui	32	32	
53-19-0	2,4'-DDD	28	Ui	28	28	
789-02-6	2,4'-DDT	210	D	7.2	1.6	
2385-85-5	Mirex	7.2	U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-DC-HP-comp-1
Lab Code: K2409809-031
File ID: J:\GC23\DATA\012105\0121F097.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	95	30-150	01/23/05	Acceptable
Decachlorobiphenyl	83	30-150	01/23/05	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: LDWG/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-3DUP
 Lab Code: KWG0420007-1
 File ID: J:\GC23\DATA\012105\0121F111.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420007
 Calibration ID: CAL4164

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

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	5.5 JD	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2 U	7.2	1.1	
5103-74-2	gamma-Chlordane†	51 D	7.2	1.0	
959-98-8	Endosulfan I	4.0 JPD	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	
60-57-1	Dieldrin	7.2 Ui	7.2	7.2	
72-55-9	4,4'-DDE	12 Ui	12	12	
72-20-8	Endrin	7.2 Ui	7.2	7.2	
33213-65-9	Endosulfan II	12 PD	7.2	2.5	
72-54-8	4,4'-DDD	9.7 D	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 Ui	7.2	7.2	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	97 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	
72-43-5	Methoxychlor	7.2 Ui	7.2	7.2	
8001-35-2	Toxaphene	1900 Ui	1900	1900	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	7.2	
53-19-0	2,4'-DDD	22 Ui	22	22	
789-02-6	2,4'-DDT	120 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T3-M-ES-WB-comp-3DUP
Lab Code: KWG0420007-1
File ID: J:\GC23\DATA\012105\0121F111.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	95	30-150	01/23/05	Acceptable
Decachlorobiphenyl	88	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-DC-EM-comp-1DU
Lab Code: KWG0420097-1
File ID: J:\GC23\DATA\012105\0121F090.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	7.2 U	7.2	2.5	
319-84-6	alpha-BHC	7.2 U	7.2	1.2	
319-85-7	beta-BHC	7.2 U	7.2	1.5	
58-89-9	gamma-BHC (Lindane)	7.2 U	7.2	2.0	
319-86-8	delta-BHC	7.2 U	7.2	2.5	
76-44-8	Heptachlor	7.2 U	7.2	3.3	
309-00-2	Aldrin	7.2 U	7.2	1.5	
1024-57-3	Heptachlor Epoxide	7.2 Ui	7.2	5.9	
5103-74-2	gamma-Chlordane†	3.2 JPD	7.2	1.0	
959-98-8	Endosulfan I	7.2 U	7.2	0.93	
5103-71-9	alpha-Chlordane	7.2 U	7.2	2.6	
60-57-1	Dieldrin	7.2 U	7.2	0.79	
72-55-9	4,4'-DDE	2.3 JD	7.2	0.86	
72-20-8	Endrin	7.2 U	7.2	0.71	
33213-65-9	Endosulfan II	7.2 U	7.2	2.5	
72-54-8	4,4'-DDD	7.2 U	7.2	0.93	
7421-93-4	Endrin Aldehyde	7.2 U	7.2	1.3	
1031-07-8	Endosulfan Sulfate	7.2 U	7.2	2.0	
50-29-3	4,4'-DDT	7.5 D	7.2	2.8	
53494-70-5	Endrin Ketone	7.2 U	7.2	2.1	
72-43-5	Methoxychlor	7.2 U	7.2	2.0	
8001-35-2	Toxaphene	360 Ui	360	89	
3424-82-6	2,4'-DDE	7.2 Ui	7.2	0.90	
53-19-0	2,4'-DDD	7.2 U	7.2	1.3	
789-02-6	2,4'-DDT	9.8 PD	7.2	1.6	
2385-85-5	Mirex	7.2 U	7.2	2.0	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: LDW-T1-M-DC-EM-comp-1DU
Lab Code: KWG0420097-1
File ID: J:\GC23\DATA\012105\0121F090.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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

Column1: DB XLB
Column2: DB-35MS

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	30-150	01/23/05	Acceptable
Decachlorobiphenyl	81	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG0420007-7
File ID: J:\GC23\DATA\011905\0119F017.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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	0.84 J	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG0420007-7
File ID: J:\GC23\DATA\011905\0119F017.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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	44	30-150	01/20/05	Acceptable
Decachlorobiphenyl	47	30-150	01/20/05	Acceptable

† Analyte Comments

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

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: Method Blank
 Lab Code: KWG0420097-7
 File ID: J:\GC23\DATA\012105\0121F068.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420097
 Calibration ID: CAL4164

Sample Amount: 20.02 g
 % Solids: NA
 Dilution Factor: 1

Column1: DB XLB
 Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.34	
319-84-6	alpha-BHC	1.0	U	1.0	0.16	
319-85-7	beta-BHC	1.0	U	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	1.0	U	1.0	0.28	
319-86-8	delta-BHC	1.0	U	1.0	0.34	
76-44-8	Heptachlor	1.0	U	1.0	0.45	
309-00-2	Aldrin	1.0	U	1.0	0.20	
1024-57-3	Heptachlor Epoxide	1.0	U	1.0	0.15	
5103-74-2	gamma-Chlordane†	1.0	U	1.0	0.14	
959-98-8	Endosulfan I	1.0	U	1.0	0.13	
5103-71-9	alpha-Chlordane	1.0	U	1.0	0.36	
60-57-1	Dieldrin	1.0	U	1.0	0.11	
72-55-9	4,4'-DDE	1.0	U	1.0	0.12	
72-20-8	Endrin	1.0	U	1.0	0.099	
33213-65-9	Endosulfan II	1.0	U	1.0	0.35	
72-54-8	4,4'-DDD	1.0	U	1.0	0.13	
7421-93-4	Endrin Aldehyde	1.0	U	1.0	0.17	
1031-07-8	Endosulfan Sulfate	1.0	U	1.0	0.27	
50-29-3	4,4'-DDT	1.0	U	1.0	0.38	
53494-70-5	Endrin Ketone	1.0	U	1.0	0.29	
72-43-5	Methoxychlor	1.0	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG0420097-7
File ID: J:\GC23\DATA\012105\0121F068.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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	78	30-150	01/23/05	Acceptable
Decachlorobiphenyl	84	30-150	01/23/05	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: LDWG/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/20/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
 Lab Code: KWG0420007-3
 File ID: J:\GC23\DATA\011905\0119F018.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420007
 Calibration ID: CAL4164

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	16.6		1.0	0.34	
319-84-6	alpha-BHC	21.8		1.0	0.16	
319-85-7	beta-BHC	23.5		1.0	0.21	
58-89-9	gamma-BHC (Lindane)	22.2		1.0	0.28	
319-86-8	delta-BHC	22.7		1.0	0.34	
76-44-8	Heptachlor	21.4		1.0	0.45	
309-00-2	Aldrin	21.3	P	1.0	0.20	
1024-57-3	Heptachlor Epoxide	20.4		1.0	0.15	
5103-74-2	gamma-Chlordane†	21.5		1.0	0.14	
959-98-8	Endosulfan I	13.7		1.0	0.13	
5103-71-9	alpha-Chlordane	19.5		1.0	0.36	
60-57-1	Dieldrin	20.6		1.0	0.11	
72-55-9	4,4'-DDE	20.4		1.0	0.12	
72-20-8	Endrin	20.8		1.0	0.099	
33213-65-9	Endosulfan II	15.1		1.0	0.35	
72-54-8	4,4'-DDD	20.2		1.0	0.13	
7421-93-4	Endrin Aldehyde	13.3		1.0	0.17	
1031-07-8	Endosulfan Sulfate	22.2		1.0	0.27	
50-29-3	4,4'-DDT	22.4		1.0	0.38	
53494-70-5	Endrin Ketone	18.8		1.0	0.29	
72-43-5	Methoxychlor	21.1		1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0420007-3
File ID: J:\GC23\DATA\011905\0119F018.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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	96	30-150	01/20/05	Acceptable
Decachlorobiphenyl	83	30-150	01/20/05	Acceptable

† Analyte Comments

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

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/20/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0420007-4
 File ID: J:\GC23\DATA\011905\0119F019.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420007
 Calibration ID: CAL4164

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	13.4	1.0	0.34	
319-84-6	alpha-BHC	17.5	1.0	0.16	
319-85-7	beta-BHC	19.8	1.0	0.21	
58-89-9	gamma-BHC (Lindane)	17.6	1.0	0.28	
319-86-8	delta-BHC	18.5	1.0	0.34	
76-44-8	Heptachlor	16.9	1.0	0.45	
309-00-2	Aldrin	16.9 P	1.0	0.20	
1024-57-3	Heptachlor Epoxide	15.8	1.0	0.15	
5103-74-2	gamma-Chlordane†	16.6	1.0	0.14	
959-98-8	Endosulfan I	11.7	1.0	0.13	
5103-71-9	alpha-Chlordane	15.4	1.0	0.36	
60-57-1	Dieldrin	16.6	1.0	0.11	
72-55-9	4,4'-DDE	16.1	1.0	0.12	
72-20-8	Endrin	16.8	1.0	0.099	
33213-65-9	Endosulfan II	12.5	1.0	0.35	
72-54-8	4,4'-DDD	16.4	1.0	0.13	
7421-93-4	Endrin Aldehyde	10.7	1.0	0.17	
1031-07-8	Endosulfan Sulfate	17.6	1.0	0.27	
50-29-3	4,4'-DDT	18.0	1.0	0.38	
53494-70-5	Endrin Ketone	14.7	1.0	0.29	
72-43-5	Methoxychlor	17.2	1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420007-4
File ID: J:\GC23\DATA\011905\0119F019.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

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	78	30-150	01/20/05	Acceptable
Decachlorobiphenyl	73	30-150	01/20/05	Acceptable

† Analyte Comments

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

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0420007-5
File ID: J:\GC23\DATA\011905\0119F020.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

Sample Amount: 20.00 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
3424-82-6	2,4'-DDE	19.6		1.0	0.096	
53-19-0	2,4'-DDD	20.3		1.0	0.18	
789-02-6	2,4'-DDT	20.6		1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	72	30-150	01/20/05	Acceptable
Decachlorobiphenyl	73	30-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420007-6
File ID: J:\GC23\DATA\011905\0119F021.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420007
Calibration ID: CAL4164

Sample Amount: 20.02 g
% Solids: NA
Dilution Factor: 1

Column1: DB XLB
Column2: DB-35MS

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
3424-82-6	2,4'-DDE	20.2		1.0	0.096	
53-19-0	2,4'-DDD	20.9		1.0	0.18	
789-02-6	2,4'-DDT	21.1		1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	30-150	01/20/05	Acceptable
Decachlorobiphenyl	74	30-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
 Lab Code: KWG0420097-3
 File ID: J:\GC23\DATA\012105\0121F069.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420097
 Calibration ID: CAL4164

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	12.5		1.0	0.34	
319-84-6	alpha-BHC	16.3		1.0	0.16	
319-85-7	beta-BHC	18.0		1.0	0.21	
58-89-9	gamma-BHC (Lindane)	16.3		1.0	0.28	
319-86-8	delta-BHC	17.9		1.0	0.34	
76-44-8	Heptachlor	16.0		1.0	0.45	
309-00-2	Aldrin	16.0		1.0	0.20	
1024-57-3	Heptachlor Epoxide	17.1		1.0	0.15	
5103-74-2	gamma-Chlordane†	16.5		1.0	0.14	
959-98-8	Endosulfan I	11.4		1.0	0.13	
5103-71-9	alpha-Chlordane	16.1		1.0	0.36	
60-57-1	Dieldrin	16.2		1.0	0.11	
72-55-9	4,4'-DDE	16.5		1.0	0.12	
72-20-8	Endrin	16.8		1.0	0.099	
33213-65-9	Endosulfan II	12.5		1.0	0.35	
72-54-8	4,4'-DDD	16.8		1.0	0.13	
7421-93-4	Endrin Aldehyde	10.8		1.0	0.17	
1031-07-8	Endosulfan Sulfate	17.4		1.0	0.27	
50-29-3	4,4'-DDT	18.2		1.0	0.38	
53494-70-5	Endrin Ketone	15.4		1.0	0.29	
72-43-5	Methoxychlor	18.2		1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0420097-3
File ID: J:\GC23\DATA\012105\0121F069.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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	01/23/05	Acceptable
Decachlorobiphenyl	74	30-150	01/23/05	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: LDWG/04-08-06-22
 Sample Matrix: Tissue

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0420097-4
 File ID: J:\GC23\DATA\012105\0121F070.D
 Instrument ID: GC23

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3540C
 Analysis Method: 8081A

Extraction Lot: KWG0420097
 Calibration ID: CAL4164

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	12.6		1.0	0.34	
319-84-6	alpha-BHC	16.7		1.0	0.16	
319-85-7	beta-BHC	17.2		1.0	0.21	
58-89-9	gamma-BHC (Lindane)	16.8		1.0	0.28	
319-86-8	delta-BHC	17.2		1.0	0.34	
76-44-8	Heptachlor	15.8		1.0	0.45	
309-00-2	Aldrin	15.5		1.0	0.20	
1024-57-3	Heptachlor Epoxide	15.4		1.0	0.15	
5103-74-2	gamma-Chlordane†	15.3		1.0	0.14	
959-98-8	Endosulfan I	10.8		1.0	0.13	
5103-71-9	alpha-Chlordane	15.2		1.0	0.36	
60-57-1	Dieldrin	15.2		1.0	0.11	
72-55-9	4,4'-DDE	15.6		1.0	0.12	
72-20-8	Endrin	16.1		1.0	0.099	
33213-65-9	Endosulfan II	11.9		1.0	0.35	
72-54-8	4,4'-DDD	15.9		1.0	0.13	
7421-93-4	Endrin Aldehyde	10.3		1.0	0.17	
1031-07-8	Endosulfan Sulfate	17.1		1.0	0.27	
50-29-3	4,4'-DDT	17.4		1.0	0.38	
53494-70-5	Endrin Ketone	14.3		1.0	0.29	
72-43-5	Methoxychlor	17.2		1.0	0.27	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420097-4
File ID: J:\GC23\DATA\012105\0121F070.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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	76	30-150	01/23/05	Acceptable
Decachlorobiphenyl	74	30-150	01/23/05	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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG0420097-5
File ID: J:\GC23\DATA\012105\0121F071.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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	19.3		1.0	0.096	
53-19-0	2,4'-DDD	20.5		1.0	0.18	
789-02-6	2,4'-DDT	20.0		1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	30-150	01/23/05	Acceptable
Decachlorobiphenyl	75	30-150	01/23/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/23/2005

Organochlorine Pesticides

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420097-6
File ID: J:\GC23\DATA\012105\0121F072.D
Instrument ID: GC23

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8081A

Extraction Lot: KWG0420097
Calibration ID: CAL4164

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	20.8		1.0	0.096	
53-19-0	2,4'-DDD	21.5		1.0	0.18	
789-02-6	2,4'-DDT	21.2		1.0	0.22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	30-150	01/23/05	Acceptable
Decachlorobiphenyl	78	30-150	01/23/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 1/21/2005

Standard Reference Material
Organochlorine Pesticides

Sample Name: SRM 1945
Lab Code: KWG0420007-2
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	26	16-69	
alpha-BHC	EPA 3540C	8081A	16.2 ± 3.4	12	6.4-39	
delta-BHC	EPA 3540C	8081A	3.30 ± 0.81	18	1.3-8.2	*
Heptachlor Epoxide	EPA 3540C	8081A	10.8 ± 1.3	13	4.8-24	
Mirex	EPA 3540C	8081A	28.9 ± 2.8	13	13-63	
alpha-Chlordane	EPA 3540C	8081A	46.9 ± 2.8	45	22-99	
2,4'-DDE	EPA 3540C	8081A	12.28 ± 0.87	15	5.7-26	
4,4'-DDE	EPA 3540C	8081A	445 ± 37	270	200-960	
2,4'-DDD	EPA 3540C	8081A	18.1 ± 2.8	20	7.7-31	
4,4'-DDD	EPA 3540C	8081A	133 ± 10	110	62-210	
2,4'-DDT	EPA 3540C	8081A	106 ± 14	91	46-180	
4,4'-DDT	EPA 3540C	8081A	245 ± 15	140	115-390	
Dieldrin	EPA 3540C	8081A	37.5 ± 3.9	32	17-62	
beta-BHC	EPA 3540C	8081A	8.0 ± 1.4	2.1	3.3-14	*

Approved By:



Date: 1-28-05

LCS (44)/091898p

09809svg.es1 - SRM 1/28/2005

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Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

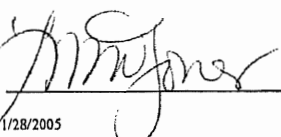
Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 1/21/2005

Standard Reference Material
Organochlorine Pesticides

Sample Name: SRM 1945
Lab Code: KWG0420097-2
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	46	16-69	
alpha-BHC	EPA 3540C	8081A	16.2 ± 3.4	23	6.4-39	
delta-BHC	EPA 3540C	8081A	3.30 ± 0.81	15	1.3-8.2	*
Heptachlor Epoxide	EPA 3540C	8081A	10.8 ± 1.3	6.6	4.8-24	
Mirex	EPA 3540C	8081A	28.9 ± 2.8	39	13-63	
alpha-Chlordane	EPA 3540C	8081A	46.9 ± 2.8	97	22-99	
2,4'-DDE	EPA 3540C	8081A	12.28 ± 0.87	26	5.7-26	
4,4'-DDE	EPA 3540C	8081A	445 ± 37	740	200-960	
2,4'-DDD	EPA 3540C	8081A	18.1 ± 2.8	45	7.7-31	*
4,4'-DDD	EPA 3540C	8081A	133 ± 10	130	62-210	
2,4'-DDT	EPA 3540C	8081A	106 ± 14	540	46-180	*
4,4'-DDT	EPA 3540C	8081A	245 ± 15	510	115-390	*
Dieldrin	EPA 3540C	8081A	37.5 ± 3.9	120.0	17-62	*
beta-BHC	EPA 3540C	8081A	8.0 ± 1.4	1.5	3.3-14	*

Approved By: 

LCS (44)/091898p
09809svg2lj - SRM 1/28/2005

Date: 1-28-05

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Page No.

**Polychlorinated Biphenyls
PCB's
EPA Method 8082**

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-M-M-PP-FL-comp-1
Lab Code: K2409809-001
File ID: J:\GC09\DATA\011405.B\0114F009.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	59		15	1.1	
11097-69-1	Aroclor 1254	120		15	2.2	
11096-82-5	Aroclor 1260	120		15	6.8	

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: LDWG/04-08-06-22
Sample Matrix: Tissue

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-M-M-SP-FL-comp-1
Lab Code: K2409809-002
File ID: J:\GC09\DATA\011405.B\0114F010.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	98		15	1.1	
11097-69-1	Aroclor 1254	220		15	2.2	
11096-82-5	Aroclor 1260	310		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-ES-FL-comp-1
Lab Code: K2409809-003
File ID: J:\GC09\DATA\011405.B\0114F011.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	320		15	1.1	
11097-69-1	Aroclor 1254	630		15	2.2	
11096-82-5	Aroclor 1260	650		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	92	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-ES-FL-comp-2
Lab Code: K2409809-004
File ID: J:\GC09\DATA\011405.B\0114F012.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	280		15	1.1	
11097-69-1	Aroclor 1254	510		15	2.2	
11096-82-5	Aroclor 1260	540		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	93	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-ES-FL-comp-1
Lab Code: K2409809-005
File ID: J:\GC09\DATA\011405.B\0114F013.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	380		15	1.1	
11097-69-1	Aroclor 1254	820		15	2.2	
11096-82-5	Aroclor 1260	810		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	98	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-ES-FL-comp-2
Lab Code: K2409809-006
File ID: J:\GC09\DATA\011405.B\0114F014.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	350		15	1.1	
11097-69-1	Aroclor 1254	740		15	2.2	
11096-82-5	Aroclor 1260	750		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	99	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-ES-FL-comp-1
Lab Code: K2409809-007
File ID: J:\GC09\DATA\011405.B\0114F015.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15 U	15	2.9	
11104-28-2	Aroclor 1221	29 U	29	4.5	
11141-16-5	Aroclor 1232	15 U	15	2.9	
53469-21-9	Aroclor 1242	15 U	15	5.0	
12672-29-6	Aroclor 1248	140	15	1.1	
11097-69-1	Aroclor 1254	350	15	2.2	
11096-82-5	Aroclor 1260	360	15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/15/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-ES-FL-comp-1
Lab Code: K2409809-008
File ID: J:\GC09\DATA\011405.B\0114F019.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	140		15	1.1	
11097-69-1	Aroclor 1254	290		15	2.2	
11096-82-5	Aroclor 1260	280		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	38-150	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/17/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-ES-WB-comp-4
Lab Code: K2409809-009
File ID: J:\GC09\DATA\011705.B\0117F007.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	770	D	150	11	
11097-69-1	Aroclor 1254	1500	D	150	22	
11096-82-5	Aroclor 1260	1300	D	150	67	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	117	38-150	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/17/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-ES-WB-comp-5
Lab Code: K2409809-010
File ID: J:\GC09\DATA\011705.B\0117F008.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	820	D	150	11	
11097-69-1	Aroclor 1254	1600	D	150	22	
11096-82-5	Aroclor 1260	1500	D	150	67	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	125	38-150	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/17/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T2-M-ES-WB-comp-6
Lab Code: K2409809-011
File ID: J:\GC09\DATA\011705.B\0117F009.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

Sample Amount: 14.03 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	690	D	150	11	
11097-69-1	Aroclor 1254	1400	D	150	22	
11096-82-5	Aroclor 1260	1200	D	150	67	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	115	38-150	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/17/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-ES-WB-comp-1
Lab Code: K2409809-012
File ID: J:\GC09\DATA\011705.B\0117F010.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	630	D	150	11	
11097-69-1	Aroclor 1254	1500	D	150	22	
11096-82-5	Aroclor 1260	1400	D	150	67	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	124	38-150	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/15/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-ES-WB-comp-2
Lab Code: K2409809-013
File ID: J:\GC09\DATA\011405.B\0114F024.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	280		15	1.1	
11097-69-1	Aroclor 1254	750		15	2.2	
11096-82-5	Aroclor 1260	840		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	93	38-150	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/17/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-ES-WB-comp-3
Lab Code: K2409809-014
File ID: J:\GC09\DATA\011705.B\0117F011.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	670	D	150	11	
11097-69-1	Aroclor 1254	1600	D	150	22	
11096-82-5	Aroclor 1260	1800	D	150	67	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	99	38-150	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/15/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-ES-WB-comp-4
Lab Code: K2409809-015
File ID: J:\GC09\DATA\011405.B\0114F027.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	250		15	1.1	
11097-69-1	Aroclor 1254	710		15	2.2	
11096-82-5	Aroclor 1260	760		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	92	38-150	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/15/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-ES-WB-comp-5
Lab Code: K2409809-016
File ID: J:\GC09\DATA\011405.B\0114F028.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

Sample Amount: 14.05 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	230		15	1.1	
11097-69-1	Aroclor 1254	530		15	2.2	
11096-82-5	Aroclor 1260	560		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	91	38-150	01/15/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-ES-WB-comp-6
Lab Code: K2409809-017
File ID: J:\GC09\DATA\012005.B\0120F043.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	480	D	150	11	
11097-69-1	Aroclor 1254	1100	D	150	22	
11096-82-5	Aroclor 1260	1100	D	150	67	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	38-150	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-ES-WB-comp-1
Lab Code: K2409809-018
File ID: J:\GC09\DATA\012005.B\0120F017.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	340		15	1.1	
11097-69-1	Aroclor 1254	750		15	2.2	
11096-82-5	Aroclor 1260	710		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	98	38-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-ES-WB-comp-3
Lab Code: K2409809-019
File ID: J:\GC09\DATA\012005.B\0120F018.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	310		15	1.1	
11097-69-1	Aroclor 1254	690		15	2.2	
11096-82-5	Aroclor 1260	640		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	93	38-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-SF-WB-comp-1
Lab Code: K2409809-020
File ID: J:\GC09\DATA\012005.B\0120F019.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	120		15	1.1	
11097-69-1	Aroclor 1254	250		15	2.2	
11096-82-5	Aroclor 1260	290		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	38-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-SF-WB-comp-2
Lab Code: K2409809-021
File ID: J:\GC09\DATA\012005.B\0120F020.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	96		15	1.1	
11097-69-1	Aroclor 1254	170		15	2.2	
11096-82-5	Aroclor 1260	180		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	38-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-SF-WB-comp-3
Lab Code: K2409809-022
File ID: J:\GC09\DATA\012005.B\0120F021.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	110		15	1.1	
11097-69-1	Aroclor 1254	240		15	2.2	
11096-82-5	Aroclor 1260	250		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	38-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T4-M-SF-FL-comp-1
Lab Code: K2409809-023
File ID: J:\GC09\DATA\012005.B\0120F022.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	98		15	1.1	
11097-69-1	Aroclor 1254	170		15	2.2	
11096-82-5	Aroclor 1260	180		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	38-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-DC-EM-comp-1
Lab Code: K2409809-024
File ID: J:\GC09\DATA\012005.B\0120F026.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

Sample Amount: 14.05 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	45		15	1.1	
11097-69-1	Aroclor 1254	84		15	2.2	
11096-82-5	Aroclor 1260	84		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	83	38-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-DC-EM-comp-2
Lab Code: K2409809-025
File ID: J:\GC09\DATA\012005.B\0120F028.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	61		15	1.1	
11097-69-1	Aroclor 1254	78	P	15	2.2	
11096-82-5	Aroclor 1260	67		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-DC-EM-comp-3
Lab Code: K2409809-026
File ID: J:\GC09\DATA\012005.B\0120F029.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

Sample Amount: 14.06 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	67		15	1.1	
11097-69-1	Aroclor 1254	110		15	2.2	
11096-82-5	Aroclor 1260	110		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	38-150	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-DC-HP-comp-1
Lab Code: K2409809-027
File ID: J:\GC09\DATA\012005.B\0120F044.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

Sample Amount: 14.01 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	600	D	150	11	
11097-69-1	Aroclor 1254	1600	D	150	22	
11096-82-5	Aroclor 1260	1800	D	150	68	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	38-150	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-DC-EM-comp-1
Lab Code: K2409809-028
File ID: J:\GC09\DATA\012005.B\0120F031.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

Sample Amount: 14.06 g
% Solids: NA
Dilution Factor: 1

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	66		15	1.1	
11097-69-1	Aroclor 1254	83		15	2.2	
11096-82-5	Aroclor 1260	77		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	81	38-150	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-DC-EM-comp-2
Lab Code: K2409809-029
File ID: J:\GC09\DATA\012005.B\0120F032.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	63		15	1.1	
11097-69-1	Aroclor 1254	120		15	2.2	
11096-82-5	Aroclor 1260	120		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	38-150	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/01/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-DC-EM-comp-3
Lab Code: K2409809-030
File ID: J:\GC09\DATA\012005.B\0120F033.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	58		15	1.1	
11097-69-1	Aroclor 1254	76		15	2.2	
11096-82-5	Aroclor 1260	78		15	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-DC-HP-comp-1
Lab Code: K2409809-031
File ID: J:\GC09\DATA\012005.B\0120F045.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

Sample Amount: 14.02 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	620	D	150	11	
11097-69-1	Aroclor 1254	1800	D	150	22	
11096-82-5	Aroclor 1260	2100	D	150	68	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	38-150	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/17/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T3-M-ES-WB-comp-3DUP
Lab Code: KWG0420008-1
File ID: J:\GC09\DATA\011705.B\0117F012.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
Calibration ID: CAL4069

Sample Amount: 14.04 g
% Solids: NA
Dilution Factor: 10

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	150	U	150	29	
11104-28-2	Aroclor 1221	290	U	290	45	
11141-16-5	Aroclor 1232	150	U	150	29	
53469-21-9	Aroclor 1242	150	U	150	50	
12672-29-6	Aroclor 1248	710	D	150	11	
11097-69-1	Aroclor 1254	1800	D	150	22	
11096-82-5	Aroclor 1260	1900	D	150	67	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	115	38-150	01/17/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/21/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: LDW-T1-M-DC-EM-comp-1DU
Lab Code: KWG0420099-1
File ID: J:\GC09\DATA\012005.B\0120F027.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
Calibration ID: CAL4069

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

Column1: DB-35MS
Column2: DB-XLB

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
12674-11-2	Aroclor 1016	15	U	15	2.9	
11104-28-2	Aroclor 1221	29	U	29	4.5	
11141-16-5	Aroclor 1232	15	U	15	2.9	
53469-21-9	Aroclor 1242	15	U	15	5.0	
12672-29-6	Aroclor 1248	35	P	15	1.1	
11097-69-1	Aroclor 1254	81		15	2.2	
11096-82-5	Aroclor 1260	83		15	6.8	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	38-150	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG0420008-5
File ID: J:\GC09\DATA\011405.B\0114F005.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
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	49	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG0420099-5
File ID: J:\GC09\DATA\012005.B\0120F012.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
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	83	38-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG0420008-3
File ID: J:\GC09\DATA\011405.B\0114F006.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
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	204		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	198		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/14/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420008-4
File ID: J:\GC09\DATA\011405.B\0114F007.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420008
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	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	205		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	38-150	01/14/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG0420099-3
File ID: J:\GC09\DATA\012005.B\0120F013.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
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	186	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	192	10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	38-150	01/20/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/20/2005

Polychlorinated Biphenyls (PCBs)

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420099-4
File ID: J:\GC09\DATA\012005.B\0120F014.D
Instrument ID: GC09.i

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0420099
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	185		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	195		10	4.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	38-150	01/20/05	Acceptable

Comments:

Semi-Volatile Organic Compounds
EPA Method 8270C

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-M-M-PP-FL-comp-1
Lab Code: K2409809-001
File ID: J:\MS17\DATA\012505\0125F008.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	180	JD	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	5700	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-M-M-PP-FL-comp-1
Lab Code: K2409809-001
File ID: J:\MS17\DATA\012505\0125F008.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580 U	580	85	*
88-74-4	2-Nitroaniline	2900 U	2900	380	
131-11-3	Dimethyl Phthalate	580 U	580	73	
606-20-2	2,6-Dinitrotoluene	1200 U	1200	100	
99-09-2	3-Nitroaniline	5800 U	5800	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5800 U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200 U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580 U	580	65	
84-66-2	Diethyl Phthalate	1200 U	1200	140	
100-01-6	4-Nitroaniline	2900 U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800 U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580 U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580 U	580	79	
118-74-1	Hexachlorobenzene	580 U	580	85	
87-86-5	Pentachlorophenol	5800 U	5800	450	
86-74-8	Carbazole	2900 U	2900	480	
84-74-2	Di-n-butyl Phthalate	1200 U	1200	230	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200 U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900 U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-M-M-PP-FL-comp-1
Lab Code: K2409809-001
File ID: J:\MS17\DATA\012505\0125F008.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	95	20-130	01/25/05	Acceptable
Phenol-d6	113	20-130	01/25/05	Acceptable
Nitrobenzene-d5	109	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	118	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	101	20-130	01/25/05	Acceptable
Terphenyl-d14	128	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-M-M-SP-FL-comp-1
Lab Code: K2409809-002
File ID: J:\MS17\DATA\012505\0125F009.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-M-M-SP-FL-comp-1
Lab Code: K2409809-002
File ID: J:\MS17\DATA\012505\0125F009.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	*
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	410	JD	1200	230	*
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-M-M-SP-FL-comp-1
Lab Code: K2409809-002
File ID: J:\MS17\DATA\012505\0125F009.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	92	20-130	01/25/05	Acceptable
Phenol-d6	110	20-130	01/25/05	Acceptable
Nitrobenzene-d5	105	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	107	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	107	20-130	01/25/05	Acceptable
Terphenyl-d14	117	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/02/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-FL-comp-1
 Lab Code: K2409809-003
 File ID: J:\MS17\DATA\012505\0125F010.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	6500	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-FL-comp-1
Lab Code: K2409809-003
File ID: J:\MS17\DATA\012505\0125F010.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	*
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	420	JD	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	1300	JD	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-FL-comp-1
Lab Code: K2409809-003
File ID: J:\MS17\DATA\012505\0125F010.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	100	20-130	01/25/05	Acceptable
Phenol-d6	115	20-130	01/25/05	Acceptable
Nitrobenzene-d5	110	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	115	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	127	20-130	01/25/05	Acceptable
Terphenyl-d14	125	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/02/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-FL-comp-2
 Lab Code: K2409809-004
 File ID: J:\MS17\DATA\012505\0125F011.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	6100	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-FL-comp-2
Lab Code: K2409809-004
File ID: J:\MS17\DATA\012505\0125F011.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	*
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	420	JD	1200	230	*
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-ES-FL-comp-2
Lab Code: K2409809-004
File ID: J:\MS17\DATA\012505\0125F011.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	95	20-130	01/25/05	Acceptable
Phenol-d6	113	20-130	01/25/05	Acceptable
Nitrobenzene-d5	100	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	106	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	123	20-130	01/25/05	Acceptable
Terphenyl-d14	118	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-FL-comp-1
Lab Code: K2409809-005
File ID: J:\MS17\DATA\012505\0125F012.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	6000	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-FL-comp-1
Lab Code: K2409809-005
File ID: J:\MS17\DATA\012505\0125F012.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	85	*
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	85	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	410	JD	1200	230	*
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-FL-comp-1
Lab Code: K2409809-005
File ID: J:\MS17\DATA\012505\0125F012.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	107	20-130	01/25/05	Acceptable
Phenol-d6	120	20-130	01/25/05	Acceptable
Nitrobenzene-d5	119	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	116	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	126	20-130	01/25/05	Acceptable
Terphenyl-d14	125	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-FL-comp-2
 Lab Code: K2409809-006
 File ID: J:\MS17\DATA\012505\0125F013.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	6000	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-FL-comp-2
Lab Code: K2409809-006
File ID: J:\MS17\DATA\012505\0125F013.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	*
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	*
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-FL-comp-2
Lab Code: K2409809-006
File ID: J:\MS17\DATA\012505\0125F013.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	106	20-130	01/25/05	Acceptable
Phenol-d6	121	20-130	01/25/05	Acceptable
Nitrobenzene-d5	121	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	115	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	133	20-130	01/25/05	Outside Control Limits
Terphenyl-d14	126	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-FL-comp-1
 Lab Code: K2409809-007
 File ID: J:\MS17\DATA\012505\0125F014.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	5300	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-FL-comp-1
Lab Code: K2409809-007
File ID: J:\MS17\DATA\012505\0125F014.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	85	*
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	85	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	420	JD	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-FL-comp-1
Lab Code: K2409809-007
File ID: J:\MS17\DATA\012505\0125F014.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	100	20-130	01/25/05	Acceptable
Phenol-d6	148	20-130	01/25/05	Outside Control Limits
Nitrobenzene-d5	136	20-130	01/25/05	Outside Control Limits
2-Fluorobiphenyl	152	20-130	01/25/05	Outside Control Limits
2,4,6-Tribromophenol	174	20-130	01/25/05	Outside Control Limits
Terphenyl-d14	171	20-130	01/25/05	Outside Control Limits

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-FL-comp-1
Lab Code: K2409809-008
File ID: J:\MS17\DATA\012505\0125F015.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	6100	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-FL-comp-1
Lab Code: K2409809-008
File ID: J:\MS17\DATA\012505\0125F015.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580 U	580	85	*
88-74-4	2-Nitroaniline	2900 U	2900	380	
131-11-3	Dimethyl Phthalate	580 U	580	73	
606-20-2	2,6-Dinitrotoluene	1200 U	1200	100	
99-09-2	3-Nitroaniline	5800 U	5800	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5800 U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200 U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580 U	580	65	
84-66-2	Diethyl Phthalate	1200 U	1200	140	
100-01-6	4-Nitroaniline	2900 U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800 U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580 U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580 U	580	79	
118-74-1	Hexachlorobenzene	580 U	580	85	
87-86-5	Pentachlorophenol	5800 U	5800	450	
86-74-8	Carbazole	2900 U	2900	480	
84-74-2	Di-n-butyl Phthalate	420 JD	1200	230	*
92-87-5	Benzidine	72000 U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200 U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900 U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-FL-comp-1
Lab Code: K2409809-008
File ID: J:\MS17\DATA\012505\0125F015.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	104	20-130	01/25/05	Acceptable
Phenol-d6	118	20-130	01/25/05	Acceptable
Nitrobenzene-d5	110	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	112	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	133	20-130	01/25/05	Outside Control Limits
Terphenyl-d14	124	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-4
Lab Code: K2409809-009
File ID: J:\MS17\DATA\012505\0125F016.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	6500	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-4
Lab Code: K2409809-009
File ID: J:\MS17\DATA\012505\0125F016.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	*
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-4
Lab Code: K2409809-009
File ID: J:\MS17\DATA\012505\0125F016.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	101	20-130	01/25/05	Acceptable
Phenol-d6	115	20-130	01/25/05	Acceptable
Nitrobenzene-d5	109	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	105	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	128	20-130	01/25/05	Acceptable
Terphenyl-d14	113	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-5
Lab Code: K2409809-010
File ID: J:\MS17\DATA\012505\0125F017.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	120	JD	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	270	JD	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	6500	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-5
 Lab Code: K2409809-010
 File ID: J:\MS17\DATA\012505\0125F017.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	*
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-5
Lab Code: K2409809-010
File ID: J:\MS17\DATA\012505\0125F017.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	101	20-130	01/25/05	Acceptable
Phenol-d6	116	20-130	01/25/05	Acceptable
Nitrobenzene-d5	112	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	105	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	128	20-130	01/25/05	Acceptable
Terphenyl-d14	112	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-6
 Lab Code: K2409809-011
 File ID: J:\MS17\DATA\012505\0125F018.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	5900	JD	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-6
Lab Code: K2409809-011
File ID: J:\MS17\DATA\012505\0125F018.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	*
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	64	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T2-M-ES-WB-comp-6
Lab Code: K2409809-011
File ID: J:\MS17\DATA\012505\0125F018.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	109	20-130	01/25/05	Acceptable
Phenol-d6	125	20-130	01/25/05	Acceptable
Nitrobenzene-d5	121	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	113	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	140	20-130	01/25/05	Outside Control Limits
Terphenyl-d14	121	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-1
Lab Code: K2409809-012
File ID: J:\MS17\DATA\012505\0125F019.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	5800	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-1
Lab Code: K2409809-012
File ID: J:\MS17\DATA\012505\0125F019.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	*
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-1
Lab Code: K2409809-012
File ID: J:\MS17\DATA\012505\0125F019.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	104	20-130	01/25/05	Acceptable
Phenol-d6	119	20-130	01/25/05	Acceptable
Nitrobenzene-d5	115	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	105	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	132	20-130	01/25/05	Outside Control Limits
Terphenyl-d14	112	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-2
Lab Code: K2409809-013
File ID: J:\MS17\DATA\012505\0125F020.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	6100	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-2
Lab Code: K2409809-013
File ID: J:\MS17\DATA\012505\0125F020.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	*
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-2
Lab Code: K2409809-013
File ID: J:\MS17\DATA\012505\0125F020.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	98	20-130	01/25/05	Acceptable
Phenol-d6	116	20-130	01/25/05	Acceptable
Nitrobenzene-d5	108	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	103	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	129	20-130	01/25/05	Acceptable
Terphenyl-d14	110	20-130	01/25/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-3
Lab Code: K2409809-014
File ID: J:\MS17\DATA\012605\0126F005.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900 U	2900	150	
62-53-3	Aniline	12000 U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570 U	570	130	
108-95-2	Phenol	1500 U	1500	250	
95-57-8	2-Chlorophenol	1200 U	1200	160	
541-73-1	1,3-Dichlorobenzene	570 U	570	160	
106-46-7	1,4-Dichlorobenzene	570 U	570	160	
95-50-1	1,2-Dichlorobenzene	570 U	570	180	
100-51-6	Benzyl Alcohol	570 U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570 U	570	160	
95-48-7	2-Methylphenol	1200 U	1200	760	
67-72-1	Hexachloroethane	570 U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570 U	570	120	
106-44-5	4-Methylphenol†	1200 U	1200	220	
98-95-3	Nitrobenzene	570 U	570	150	
78-59-1	Isophorone	570 U	570	83	
88-75-5	2-Nitrophenol	2900 U	2900	220	
105-67-9	2,4-Dimethylphenol	1200 U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570 U	570	72	
120-83-2	2,4-Dichlorophenol	1200 U	1200	180	
65-85-0	Benzoic Acid	5800 JD	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570 U	570	150	
106-47-8	4-Chloroaniline	2900 U	2900	84	
87-68-3	Hexachlorobutadiene	570 U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900 U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000 U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900 U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900 U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-3
Lab Code: K2409809-014
File ID: J:\MS17\DATA\012605\0126F005.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	*
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	64	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-3
Lab Code: K2409809-014
File ID: J:\MS17\DATA\012605\0126F005.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	104	20-130	01/26/05	Acceptable
Phenol-d6	124	20-130	01/26/05	Acceptable
Nitrobenzene-d5	117	20-130	01/26/05	Acceptable
2-Fluorobiphenyl	124	20-130	01/26/05	Acceptable
2,4,6-Tribromophenol	136	20-130	01/26/05	Outside Control Limits
Terphenyl-d14	138	20-130	01/26/05	Outside Control Limits

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-4
 Lab Code: K2409809-015
 File ID: J:\MS17\DATA\012605\0126F007.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	5700	JD	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-4
Lab Code: K2409809-015
File ID: J:\MS17\DATA\012605\0126F007.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	*
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	64	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-4
Lab Code: K2409809-015
File ID: J:\MS17\DATA\012605\0126F007.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	99	20-130	01/26/05	Acceptable
Phenol-d6	119	20-130	01/26/05	Acceptable
Nitrobenzene-d5	116	20-130	01/26/05	Acceptable
2-Fluorobiphenyl	111	20-130	01/26/05	Acceptable
2,4,6-Tribromophenol	137	20-130	01/26/05	Outside Control Limits
Terphenyl-d14	125	20-130	01/26/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/05/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-5
 Lab Code: K2409809-016
 File ID: J:\MS17\DATA\012605\0126F008.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	5900	JD	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/05/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-5
 Lab Code: K2409809-016
 File ID: J:\MS17\DATA\012605\0126F008.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	*
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	64	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-5
Lab Code: K2409809-016
File ID: J:\MS17\DATA\012605\0126F008.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	98	20-130	01/26/05	Acceptable
Phenol-d6	123	20-130	01/26/05	Acceptable
Nitrobenzene-d5	116	20-130	01/26/05	Acceptable
2-Fluorobiphenyl	116	20-130	01/26/05	Acceptable
2,4,6-Tribromophenol	143	20-130	01/26/05	Outside Control Limits
Terphenyl-d14	131	20-130	01/26/05	Outside Control Limits

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-6
Lab Code: K2409809-017
File ID: J:\MS17\DATA\012605\0126F009.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	4900	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-6
Lab Code: K2409809-017
File ID: J:\MS17\DATA\012605\0126F009.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-6
Lab Code: K2409809-017
File ID: J:\MS17\DATA\012605\0126F009.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	77	20-130	01/26/05	Acceptable
Phenol-d6	98	20-130	01/26/05	Acceptable
Nitrobenzene-d5	95	20-130	01/26/05	Acceptable
2-Fluorobiphenyl	91	20-130	01/26/05	Acceptable
2,4,6-Tribromophenol	105	20-130	01/26/05	Acceptable
Terphenyl-d14	101	20-130	01/26/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 09/02/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-WB-comp-1
 Lab Code: K2409809-018
 File ID: J:\MS17\DATA\012605\0126F010.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	4800	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-WB-comp-1
Lab Code: K2409809-018
File ID: J:\MS17\DATA\012605\0126F010.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-WB-comp-1
Lab Code: K2409809-018
File ID: J:\MS17\DATA\012605\0126F010.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	77	20-130	01/26/05	Acceptable
Phenol-d6	95	20-130	01/26/05	Acceptable
Nitrobenzene-d5	92	20-130	01/26/05	Acceptable
2-Fluorobiphenyl	86	20-130	01/26/05	Acceptable
2,4,6-Tribromophenol	107	20-130	01/26/05	Acceptable
Terphenyl-d14	95	20-130	01/26/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-WB-comp-3
 Lab Code: K2409809-019
 File ID: J:\MS17\DATA\012605\0126F011.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	4900	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-WB-comp-3
Lab Code: K2409809-019
File ID: J:\MS17\DATA\012605\0126F011.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-ES-WB-comp-3
Lab Code: K2409809-019
File ID: J:\MS17\DATA\012605\0126F011.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	82	20-130	01/26/05	Acceptable
Phenol-d6	100	20-130	01/26/05	Acceptable
Nitrobenzene-d5	96	20-130	01/26/05	Acceptable
2-Fluorobiphenyl	93	20-130	01/26/05	Acceptable
2,4,6-Tribromophenol	116	20-130	01/26/05	Acceptable
Terphenyl-d14	103	20-130	01/26/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/04/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-WB-comp-1
 Lab Code: K2409809-020
 File ID: J:\MS17\DATA\012605\0126F012.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	5800	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/04/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-WB-comp-1
 Lab Code: K2409809-020
 File ID: J:\MS17\DATA\012605\0126F012.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-WB-comp-1
Lab Code: K2409809-020
File ID: J:\MS17\DATA\012605\0126F012.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	79	20-130	01/26/05	Acceptable
Phenol-d6	96	20-130	01/26/05	Acceptable
Nitrobenzene-d5	93	20-130	01/26/05	Acceptable
2-Fluorobiphenyl	89	20-130	01/26/05	Acceptable
2,4,6-Tribromophenol	110	20-130	01/26/05	Acceptable
Terphenyl-d14	98	20-130	01/26/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-WB-comp-2
Lab Code: K2409809-021
File ID: J:\MS17\DATA\012605\0126F013.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	5700	JD	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-WB-comp-2
Lab Code: K2409809-021
File ID: J:\MS17\DATA\012605\0126F013.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	64	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-WB-comp-2
Lab Code: K2409809-021
File ID: J:\MS17\DATA\012605\0126F013.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	85	20-130	01/26/05	Acceptable
Phenol-d6	106	20-130	01/26/05	Acceptable
Nitrobenzene-d5	105	20-130	01/26/05	Acceptable
2-Fluorobiphenyl	98	20-130	01/26/05	Acceptable
2,4,6-Tribromophenol	119	20-130	01/26/05	Acceptable
Terphenyl-d14	109	20-130	01/26/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-WB-comp-3
Lab Code: K2409809-022
File ID: J:\MS17\DATA\012605\0126F014.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	5000	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-WB-comp-3
Lab Code: K2409809-022
File ID: J:\MS17\DATA\012605\0126F014.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-WB-comp-3
Lab Code: K2409809-022
File ID: J:\MS17\DATA\012605\0126F014.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	69	20-130	01/26/05	Acceptable
Phenol-d6	87	20-130	01/26/05	Acceptable
Nitrobenzene-d5	83	20-130	01/26/05	Acceptable
2-Fluorobiphenyl	81	20-130	01/26/05	Acceptable
2,4,6-Tribromophenol	101	20-130	01/26/05	Acceptable
Terphenyl-d14	91	20-130	01/26/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-FL-comp-1
Lab Code: K2409809-023
File ID: J:\MS17\DATA\012605\0126F015.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	4700	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-FL-comp-1
 Lab Code: K2409809-023
 File ID: J:\MS17\DATA\012605\0126F015.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T4-M-SF-FL-comp-1
Lab Code: K2409809-023
File ID: J:\MS17\DATA\012605\0126F015.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	81	20-130	01/27/05	Acceptable
Phenol-d6	97	20-130	01/27/05	Acceptable
Nitrobenzene-d5	98	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	94	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	115	20-130	01/27/05	Acceptable
Terphenyl-d14	104	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-1
Lab Code: K2409809-024
File ID: J:\MS17\DATA\012605\0126F016.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-1
Lab Code: K2409809-024
File ID: J:\MS17\DATA\012605\0126F016.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	410	JD	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-1
Lab Code: K2409809-024
File ID: J:\MS17\DATA\012605\0126F016.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	76	20-130	01/27/05	Acceptable
Phenol-d6	90	20-130	01/27/05	Acceptable
Nitrobenzene-d5	84	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	81	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	100	20-130	01/27/05	Acceptable
Terphenyl-d14	91	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-2
 Lab Code: K2409809-025
 File ID: J:\MS17\DATA\012605\0126F018.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-2
 Lab Code: K2409809-025
 File ID: J:\MS17\DATA\012605\0126F018.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.03 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	84	
88-74-4	2-Nitroaniline	2900	U	2900	370	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	84	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	470	
84-74-2	Di-n-butyl Phthalate	400	JD	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-2
Lab Code: K2409809-025
File ID: J:\MS17\DATA\012605\0126F018.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	73	20-130	01/27/05	Acceptable
Phenol-d6	92	20-130	01/27/05	Acceptable
Nitrobenzene-d5	82	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	77	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	94	20-130	01/27/05	Acceptable
Terphenyl-d14	91	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-3
 Lab Code: K2409809-026
 File ID: J:\MS17\DATA\012605\0126F019.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-3
Lab Code: K2409809-026
File ID: J:\MS17\DATA\012605\0126F019.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	85	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	400	JD	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-3
Lab Code: K2409809-026
File ID: J:\MS17\DATA\012605\0126F019.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	74	20-130	01/27/05	Acceptable
Phenol-d6	88	20-130	01/27/05	Acceptable
Nitrobenzene-d5	80	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	82	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	92	20-130	01/27/05	Acceptable
Terphenyl-d14	90	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-HP-comp-1
 Lab Code: K2409809-027
 File ID: J:\MS17\DATA\012605\0126F020.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.01 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900 U	2900	150	
62-53-3	Aniline	12000 U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580 U	580	130	
108-95-2	Phenol	1500 U	1500	250	
95-57-8	2-Chlorophenol	1200 U	1200	160	
541-73-1	1,3-Dichlorobenzene	580 U	580	160	
106-46-7	1,4-Dichlorobenzene	580 U	580	160	
95-50-1	1,2-Dichlorobenzene	580 U	580	180	
100-51-6	Benzyl Alcohol	580 U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580 U	580	160	
95-48-7	2-Methylphenol	1200 U	1200	760	
67-72-1	Hexachloroethane	580 U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580 U	580	120	
106-44-5	4-Methylphenol†	1200 U	1200	220	
98-95-3	Nitrobenzene	580 U	580	150	
78-59-1	Isophorone	580 U	580	83	
88-75-5	2-Nitrophenol	2900 U	2900	220	
105-67-9	2,4-Dimethylphenol	1200 U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580 U	580	72	
120-83-2	2,4-Dichlorophenol	1200 U	1200	180	
65-85-0	Benzoic Acid	12000 U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580 U	580	150	
106-47-8	4-Chloroaniline	2900 U	2900	85	
87-68-3	Hexachlorobutadiene	580 U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900 U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000 U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900 U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900 U	2900	160	

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-HP-comp-1
Lab Code: K2409809-027
File ID: J:\MS17\DATA\012605\0126F020.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-HP-comp-1
Lab Code: K2409809-027
File ID: J:\MS17\DATA\012605\0126F020.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.01 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	82	20-130	01/27/05	Acceptable
Phenol-d6	103	20-130	01/27/05	Acceptable
Nitrobenzene-d5	92	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	97	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	120	20-130	01/27/05	Acceptable
Terphenyl-d14	105	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-EM-comp-1
 Lab Code: K2409809-028
 File ID: J:\MS17\DATA\012605\0126F021.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900 U	2900	150	
62-53-3	Aniline	12000 U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570 U	570	130	
108-95-2	Phenol	1500 U	1500	250	
95-57-8	2-Chlorophenol	1200 U	1200	160	
541-73-1	1,3-Dichlorobenzene	570 U	570	160	
106-46-7	1,4-Dichlorobenzene	570 U	570	160	
95-50-1	1,2-Dichlorobenzene	570 U	570	180	
100-51-6	Benzyl Alcohol	570 U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570 U	570	160	
95-48-7	2-Methylphenol	1200 U	1200	760	
67-72-1	Hexachloroethane	570 U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570 U	570	120	
106-44-5	4-Methylphenol†	1200 U	1200	220	
98-95-3	Nitrobenzene	570 U	570	150	
78-59-1	Isophorone	570 U	570	83	
88-75-5	2-Nitrophenol	2900 U	2900	220	
105-67-9	2,4-Dimethylphenol	1200 U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570 U	570	72	
120-83-2	2,4-Dichlorophenol	1200 U	1200	180	
65-85-0	Benzoic Acid	12000 U	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570 U	570	150	
106-47-8	4-Chloroaniline	2900 U	2900	84	
87-68-3	Hexachlorobutadiene	570 U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900 U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000 U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900 U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900 U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-EM-comp-1
 Lab Code: K2409809-028
 File ID: J:\MS17\DATA\012605\0126F021.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570 U	570	84	
88-74-4	2-Nitroaniline	2900 U	2900	370	
131-11-3	Dimethyl Phthalate	570 U	570	73	
606-20-2	2,6-Dinitrotoluene	1200 U	1200	100	
99-09-2	3-Nitroaniline	5700 U	5700	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5700 U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200 U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570 U	570	64	
84-66-2	Diethyl Phthalate	1200 U	1200	140	
100-01-6	4-Nitroaniline	2900 U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700 U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570 U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570 U	570	79	
118-74-1	Hexachlorobenzene	570 U	570	84	
87-86-5	Pentachlorophenol	5700 U	5700	450	
86-74-8	Carbazole	2900 U	2900	470	
84-74-2	Di-n-butyl Phthalate	400 JD	1200	230	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200 U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900 U	2900	190	

* See Case Narrative

Comments:

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-EM-comp-1
Lab Code: K2409809-028
File ID: J:\MS17\DATA\012605\0126F021.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	77	20-130	01/27/05	Acceptable
Phenol-d6	92	20-130	01/27/05	Acceptable
Nitrobenzene-d5	86	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	79	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	98	20-130	01/27/05	Acceptable
Terphenyl-d14	94	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 09/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-EM-comp-2
 Lab Code: K2409809-029
 File ID: J:\MS17\DATA\012705\0127F015.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900 U	2900	150	
62-53-3	Aniline	12000 U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570 U	570	130	
108-95-2	Phenol	1500 U	1500	250	
95-57-8	2-Chlorophenol	1200 U	1200	160	
541-73-1	1,3-Dichlorobenzene	570 U	570	160	
106-46-7	1,4-Dichlorobenzene	570 U	570	160	
95-50-1	1,2-Dichlorobenzene	570 U	570	180	
100-51-6	Benzyl Alcohol	570 U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570 U	570	160	
95-48-7	2-Methylphenol	1200 U	1200	760	
67-72-1	Hexachloroethane	570 U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570 U	570	120	
106-44-5	4-Methylphenol†	1200 U	1200	220	
98-95-3	Nitrobenzene	570 U	570	150	
78-59-1	Isophorone	570 U	570	83	
88-75-5	2-Nitrophenol	2900 U	2900	220	
105-67-9	2,4-Dimethylphenol	1200 U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570 U	570	72	
120-83-2	2,4-Dichlorophenol	1200 U	1200	180	
65-85-0	Benzoic Acid	12000 U	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570 U	570	150	
106-47-8	4-Chloroaniline	2900 U	2900	84	
87-68-3	Hexachlorobutadiene	570 U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900 U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000 U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900 U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900 U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-EM-comp-2
Lab Code: K2409809-029
File ID: J:\MS17\DATA\012705\0127F015.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570 U	570	84	
88-74-4	2-Nitroaniline	2900 U	2900	370	
131-11-3	Dimethyl Phthalate	570 U	570	73	
606-20-2	2,6-Dinitrotoluene	1200 U	1200	100	
99-09-2	3-Nitroaniline	5700 U	5700	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5700 U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200 U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570 U	570	64	
84-66-2	Diethyl Phthalate	1200 U	1200	140	
100-01-6	4-Nitroaniline	2900 U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700 U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570 U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570 U	570	79	
118-74-1	Hexachlorobenzene	570 U	570	84	
87-86-5	Pentachlorophenol	5700 U	5700	450	
86-74-8	Carbazole	2900 U	2900	470	
84-74-2	Di-n-butyl Phthalate	400 JD	1200	230	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200 U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900 U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-EM-comp-2
Lab Code: K2409809-029
File ID: J:\MS17\DATA\012705\0127F015.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	80	20-130	01/27/05	Acceptable
Phenol-d6	97	20-130	01/27/05	Acceptable
Nitrobenzene-d5	85	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	84	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	96	20-130	01/27/05	Acceptable
Terphenyl-d14	98	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: 09/01/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-EM-comp-3
 Lab Code: K2409809-030
 File ID: J:\MS17\DATA\012705\0127F016.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 09/01/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-EM-comp-3
 Lab Code: K2409809-030
 File ID: J:\MS17\DATA\012705\0127F016.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.02 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570	U	570	85	
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	570	U	570	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5700	U	5700	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5700	U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570	U	570	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5700	U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570	U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570	U	570	79	
118-74-1	Hexachlorobenzene	570	U	570	85	
87-86-5	Pentachlorophenol	5700	U	5700	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	410	JD	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 09/01/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-EM-comp-3
Lab Code: K2409809-030
File ID: J:\MS17\DATA\012705\0127F016.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.02 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	78	20-130	01/27/05	Acceptable
Phenol-d6	98	20-130	01/27/05	Acceptable
Nitrobenzene-d5	82	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	89	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	99	20-130	01/27/05	Acceptable
Terphenyl-d14	103	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-HP-comp-1
Lab Code: K2409809-031
File ID: J:\MS17\DATA\012705\0127F017.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2700	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-HP-comp-1
 Lab Code: K2409809-031
 File ID: J:\MS17\DATA\012705\0127F017.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 7.04 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570 U	570	84	
88-74-4	2-Nitroaniline	2900 U	2900	370	
131-11-3	Dimethyl Phthalate	570 U	570	73	
606-20-2	2,6-Dinitrotoluene	1200 U	1200	100	
99-09-2	3-Nitroaniline	5700 U	5700	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5700 U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200 U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570 U	570	64	
84-66-2	Diethyl Phthalate	1200 U	1200	140	
100-01-6	4-Nitroaniline	2900 U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700 U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570 U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570 U	570	79	
118-74-1	Hexachlorobenzene	570 U	570	84	
87-86-5	Pentachlorophenol	5700 U	5700	450	
86-74-8	Carbazole	2900 U	2900	470	
84-74-2	Di-n-butyl Phthalate	1200 U	1200	230	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200 U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900 U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-DC-HP-comp-1
Lab Code: K2409809-031
File ID: J:\MS17\DATA\012705\0127F017.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.04 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	81	20-130	01/27/05	Acceptable
Phenol-d6	102	20-130	01/27/05	Acceptable
Nitrobenzene-d5	92	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	95	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	115	20-130	01/27/05	Acceptable
Terphenyl-d14	99	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/20/2004
 Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-3DUP
 Lab Code: KWG0420095-6
 File ID: J:\MS17\DATA\012605\0126F006.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	580	U	580	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	580	U	580	160	
106-46-7	1,4-Dichlorobenzene	580	U	580	160	
95-50-1	1,2-Dichlorobenzene	580	U	580	180	
100-51-6	Benzyl Alcohol	580	U	580	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	580	U	580	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	580	U	580	130	
621-64-7	N-Nitrosodi-n-propylamine	580	U	580	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	580	U	580	150	
78-59-1	Isophorone	580	U	580	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	580	U	580	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	5800	JD	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	580	U	580	150	
106-47-8	4-Chloroaniline	2900	U	2900	85	
87-68-3	Hexachlorobutadiene	580	U	580	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-3DUP
Lab Code: KWG0420095-6
File ID: J:\MS17\DATA\012605\0126F006.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	580	U	580	85	*
88-74-4	2-Nitroaniline	2900	U	2900	380	
131-11-3	Dimethyl Phthalate	580	U	580	73	
606-20-2	2,6-Dinitrotoluene	1200	U	1200	100	
99-09-2	3-Nitroaniline	5800	U	5800	130	
51-28-5	2,4-Dinitrophenol	12000	U	12000	330	
100-02-7	4-Nitrophenol	5800	U	5800	110	
121-14-2	2,4-Dinitrotoluene	1200	U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	580	U	580	65	
84-66-2	Diethyl Phthalate	1200	U	1200	140	
100-01-6	4-Nitroaniline	2900	U	2900	380	
534-52-1	2-Methyl-4,6-dinitrophenol	5800	U	5800	220	
86-30-6	N-Nitrosodiphenylamine	580	U	580	140	
101-55-3	4-Bromophenyl Phenyl Ether	580	U	580	79	
118-74-1	Hexachlorobenzene	580	U	580	85	
87-86-5	Pentachlorophenol	5800	U	5800	450	
86-74-8	Carbazole	2900	U	2900	480	
84-74-2	Di-n-butyl Phthalate	1200	U	1200	230	
92-87-5	Benzidine	72000	U	72000	72000	
85-68-7	Butyl Benzyl Phthalate	1200	U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000	U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200	U	7200	760	
117-84-0	Di-n-octyl Phthalate	2900	U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/26/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T3-M-ES-WB-comp-3DUP
Lab Code: KWG0420095-6
File ID: J:\MS17\DATA\012605\0126F006.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 7.00 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	95	20-130	01/26/05	Acceptable
Phenol-d6	114	20-130	01/26/05	Acceptable
Nitrobenzene-d5	111	20-130	01/26/05	Acceptable
2-Fluorobiphenyl	107	20-130	01/26/05	Acceptable
2,4,6-Tribromophenol	128	20-130	01/26/05	Acceptable
Terphenyl-d14	121	20-130	01/26/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-1DU
Lab Code: KWG0420096-4
File ID: J:\MS17\DATA\012605\0126F017.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	2900	U	2900	150	
62-53-3	Aniline	12000	U	12000	3300	
111-44-4	Bis(2-chloroethyl) Ether	570	U	570	130	
108-95-2	Phenol	1500	U	1500	250	
95-57-8	2-Chlorophenol	1200	U	1200	160	
541-73-1	1,3-Dichlorobenzene	570	U	570	160	
106-46-7	1,4-Dichlorobenzene	570	U	570	160	
95-50-1	1,2-Dichlorobenzene	570	U	570	180	
100-51-6	Benzyl Alcohol	570	U	570	96	
39638-32-9	Bis(2-chloroisopropyl) Ether	570	U	570	160	
95-48-7	2-Methylphenol	1200	U	1200	760	
67-72-1	Hexachloroethane	570	U	570	130	
621-64-7	N-Nitrosodi-n-propylamine	570	U	570	120	
106-44-5	4-Methylphenol†	1200	U	1200	220	
98-95-3	Nitrobenzene	570	U	570	150	
78-59-1	Isophorone	570	U	570	83	
88-75-5	2-Nitrophenol	2900	U	2900	220	
105-67-9	2,4-Dimethylphenol	1200	U	1200	190	
111-91-1	Bis(2-chloroethoxy)methane	570	U	570	72	
120-83-2	2,4-Dichlorophenol	1200	U	1200	180	
65-85-0	Benzoic Acid	12000	U	12000	2800	
120-82-1	1,2,4-Trichlorobenzene	570	U	570	150	
106-47-8	4-Chloroaniline	2900	U	2900	84	
87-68-3	Hexachlorobutadiene	570	U	570	130	
59-50-7	4-Chloro-3-methylphenol	2900	U	2900	1100	
77-47-4	Hexachlorocyclopentadiene	72000	U	72000	72000	
88-06-2	2,4,6-Trichlorophenol	2900	U	2900	130	
95-95-4	2,4,5-Trichlorophenol	2900	U	2900	160	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-1DU
Lab Code: KWG0420096-4
File ID: J:\MS17\DATA\012605\0126F017.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	570 U	570	84	
88-74-4	2-Nitroaniline	2900 U	2900	370	
131-11-3	Dimethyl Phthalate	570 U	570	73	
606-20-2	2,6-Dinitrotoluene	1200 U	1200	100	
99-09-2	3-Nitroaniline	5700 U	5700	130	
51-28-5	2,4-Dinitrophenol	12000 U	12000	330	
100-02-7	4-Nitrophenol	5700 U	5700	110	
121-14-2	2,4-Dinitrotoluene	1200 U	1200	130	
7005-72-3	4-Chlorophenyl Phenyl Ether	570 U	570	65	
84-66-2	Diethyl Phthalate	1200 U	1200	140	
100-01-6	4-Nitroaniline	2900 U	2900	370	
534-52-1	2-Methyl-4,6-dinitrophenol	5700 U	5700	220	
86-30-6	N-Nitrosodiphenylamine	570 U	570	140	
101-55-3	4-Bromophenyl Phenyl Ether	570 U	570	79	
118-74-1	Hexachlorobenzene	570 U	570	84	
87-86-5	Pentachlorophenol	5700 U	5700	450	
86-74-8	Carbazole	2900 U	2900	470	
84-74-2	Di-n-butyl Phthalate	400 JD	1200	230	
92-87-5	Benzidine	72000 U	72000	72000	*
85-68-7	Butyl Benzyl Phthalate	1200 U	1200	200	
91-94-1	3,3'-Dichlorobenzidine	29000 U	29000	12000	
117-81-7	Bis(2-ethylhexyl) Phthalate	7200 U	7200	760	*
117-84-0	Di-n-octyl Phthalate	2900 U	2900	190	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/30/2004
Date Received: 12/09/2004
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: LDW-T1-M-DC-EM-comp-1DU
Lab Code: KWG0420096-4
File ID: J:\MS17\DATA\012605\0126F017.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 7.03 g
% Solids: NA
Dilution Factor: 10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	20-130	01/27/05	Acceptable
Phenol-d6	91	20-130	01/27/05	Acceptable
Nitrobenzene-d5	87	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	84	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	99	20-130	01/27/05	Acceptable
Terphenyl-d14	93	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0420095-5
File ID: J:\MS17\DATA\012505\0125F004.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	200	U	200	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	200	U	200	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	200	U	200	8.8	
95-95-4	2,4,5-Trichlorophenol	200	U	200	11	

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0420095-5
File ID: J:\MS17\DATA\012505\0125F004.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	40	U	40	5.9	*
88-74-4	2-Nitroaniline	200	U	200	26	
131-11-3	Dimethyl Phthalate	40	U	40	5.1	
606-20-2	2,6-Dinitrotoluene	80	U	80	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	80	U	80	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	400	U	400	15	
86-30-6	N-Nitrosodiphenylamine	40	U	40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	40	U	40	5.5	
118-74-1	Hexachlorobenzene	40	U	40	5.9	
87-86-5	Pentachlorophenol	400	U	400	31	
86-74-8	Carbazole	200	U	200	33	
84-74-2	Di-n-butyl Phthalate	31	J	80	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	80	U	80	14	
91-94-1	3,3'-Dichlorobenzidine	2000	U	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	500	U	500	53	
117-84-0	Di-n-octyl Phthalate	200	U	200	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0420095-5
File ID: J:\MS17\DATA\012505\0125F004.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	91	20-130	01/25/05	Acceptable
Phenol-d6	102	20-130	01/25/05	Acceptable
Nitrobenzene-d5	93	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	111	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	89	20-130	01/25/05	Acceptable
Terphenyl-d14	150	20-130	01/25/05	Outside Control Limits

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0420096-3
File ID: J:\MS17\DATA\012705\0127F018.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	200	U	200	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	200	U	200	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	200	U	200	8.8	
95-95-4	2,4,5-Trichlorophenol	200	U	200	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0420096-3
File ID: J:\MS17\DATA\012705\0127F018.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	40 U	40	5.9	
88-74-4	2-Nitroaniline	200 U	200	26	
131-11-3	Dimethyl Phthalate	40 U	40	5.1	
606-20-2	2,6-Dinitrotoluene	80 U	80	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	80 U	80	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	400 U	400	15	
86-30-6	N-Nitrosodiphenylamine	40 U	40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	40 U	40	5.5	
118-74-1	Hexachlorobenzene	40 U	40	5.9	
87-86-5	Pentachlorophenol	400 U	400	31	
86-74-8	Carbazole	200 U	200	33	
84-74-2	Di-n-butyl Phthalate	35 J	80	16	
92-87-5	Benzidine	5000 U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	80 U	80	14	
91-94-1	3,3'-Dichlorobenzidine	2000 U	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	500 U	500	53	*
117-84-0	Di-n-octyl Phthalate	130 J	200	13	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Method Blank
Lab Code: KWG0420096-3
File ID: J:\MS17\DATA\012705\0127F018.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	84	20-130	01/27/05	Acceptable
Phenol-d6	106	20-130	01/27/05	Acceptable
Nitrobenzene-d5	104	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	99	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	99	20-130	01/27/05	Acceptable
Terphenyl-d14	124	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0420095-3
 File ID: J:\MS17\DATA\012505\0125F005.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	827		200	10	
62-53-3	Aniline	437	J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	877		40	8.7	
108-95-2	Phenol	1010		100	17	
95-57-8	2-Chlorophenol	983		80	11	
541-73-1	1,3-Dichlorobenzene	859		40	11	
106-46-7	1,4-Dichlorobenzene	790		40	11	
95-50-1	1,2-Dichlorobenzene	930		40	12	
100-51-6	Benzyl Alcohol	889		40	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	853		40	11	
95-48-7	2-Methylphenol	939		80	53	
67-72-1	Hexachloroethane	866		40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	1030		40	8.2	
106-44-5	4-Methylphenol†	951		80	15	
98-95-3	Nitrobenzene	912		40	10	
78-59-1	Isophorone	1140		40	5.8	
88-75-5	2-Nitrophenol	952		200	15	
105-67-9	2,4-Dimethylphenol	560		80	13	
111-91-1	Bis(2-chloroethoxy)methane	941		40	5.0	
120-83-2	2,4-Dichlorophenol	1060		80	12	
65-85-0	Benzoic Acid	2370		800	190	
120-82-1	1,2,4-Trichlorobenzene	897		40	9.9	
106-47-8	4-Chloroaniline	742		200	5.9	
87-68-3	Hexachlorobutadiene	886		40	8.5	
59-50-7	4-Chloro-3-methylphenol	1110		200	72	
77-47-4	Hexachlorocyclopentadiene	826	J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	1080		200	8.8	
95-95-4	2,4,5-Trichlorophenol	1110		200	11	

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0420095-3
 File ID: J:\MS17\DATA\012505\0125F005.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	1330	40	5.9	*
88-74-4	2-Nitroaniline	998	200	26	
131-11-3	Dimethyl Phthalate	1100	40	5.1	
606-20-2	2,6-Dinitrotoluene	1020	80	7.0	
99-09-2	3-Nitroaniline	1020	400	8.9	
51-28-5	2,4-Dinitrophenol	1230	800	23	
100-02-7	4-Nitrophenol	1140	400	7.5	
121-14-2	2,4-Dinitrotoluene	1080	80	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	1030	40	4.5	
84-66-2	Diethyl Phthalate	1180	80	9.4	
100-01-6	4-Nitroaniline	1080	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	1200	400	15	
86-30-6	N-Nitrosodiphenylamine	1220	40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	1050	40	5.5	
118-74-1	Hexachlorobenzene	1060	40	5.9	
87-86-5	Pentachlorophenol	1130	400	31	
86-74-8	Carbazole	1220	200	33	
84-74-2	Di-n-butyl Phthalate	1210	80	16	
92-87-5	Benzidine	3.07 J	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	1170	80	14	
91-94-1	3,3'-Dichlorobenzidine	988 J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	1220	500	53	
117-84-0	Di-n-octyl Phthalate	1160	200	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
Lab Code: KWG0420095-3
File ID: J:\MS17\DATA\012505\0125F005.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	93	20-130	01/25/05	Acceptable
Phenol-d6	104	20-130	01/25/05	Acceptable
Nitrobenzene-d5	104	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	112	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	113	20-130	01/25/05	Acceptable
Terphenyl-d14	139	20-130	01/25/05	Outside Control Limits

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0420095-4
 File ID: J:\MS17\DATA\012505\0125F006.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	704	200	10	
62-53-3	Aniline	413 J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	801	40	8.7	
108-95-2	Phenol	936	100	17	
95-57-8	2-Chlorophenol	909	80	11	
541-73-1	1,3-Dichlorobenzene	800	40	11	
106-46-7	1,4-Dichlorobenzene	732	40	11	
95-50-1	1,2-Dichlorobenzene	856	40	12	
100-51-6	Benzyl Alcohol	808	40	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	764	40	11	
95-48-7	2-Methylphenol	854	80	53	
67-72-1	Hexachloroethane	802	40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	904	40	8.2	
106-44-5	4-Methylphenol†	859	80	15	
98-95-3	Nitrobenzene	817	40	10	
78-59-1	Isophorone	981	40	5.8	
88-75-5	2-Nitrophenol	839	200	15	
105-67-9	2,4-Dimethylphenol	534	80	13	
111-91-1	Bis(2-chloroethoxy)methane	803	40	5.0	
120-83-2	2,4-Dichlorophenol	919	80	12	
65-85-0	Benzoic Acid	2550	800	190	
120-82-1	1,2,4-Trichlorobenzene	789	40	9.9	
106-47-8	4-Chloroaniline	654	200	5.9	
87-68-3	Hexachlorobutadiene	781	40	8.5	
59-50-7	4-Chloro-3-methylphenol	964	200	72	
77-47-4	Hexachlorocyclopentadiene	759 J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	915	200	8.8	
95-95-4	2,4,5-Trichlorophenol	951	200	11	

Comments:

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0420095-4
 File ID: J:\MS17\DATA\012505\0125F006.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
 Calibration ID: CAL4178

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	1170	40	5.9	
88-74-4	2-Nitroaniline	884	200	26	
131-11-3	Dimethyl Phthalate	958	40	5.1	
606-20-2	2,6-Dinitrotoluene	905	80	7.0	
99-09-2	3-Nitroaniline	911	400	8.9	
51-28-5	2,4-Dinitrophenol	1180	800	23	
100-02-7	4-Nitrophenol	1030	400	7.5	
121-14-2	2,4-Dinitrotoluene	951	80	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	892	40	4.5	
84-66-2	Diethyl Phthalate	1030	80	9.4	
100-01-6	4-Nitroaniline	954	200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	1080	400	15	
86-30-6	N-Nitrosodiphenylamine	1070	40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	918	40	5.5	
118-74-1	Hexachlorobenzene	930	40	5.9	
87-86-5	Pentachlorophenol	1020	400	31	
86-74-8	Carbazole	1050	200	33	
84-74-2	Di-n-butyl Phthalate	1060	80	16	
92-87-5	Benzidine	2.50 J	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	1040	80	14	
91-94-1	3,3'-Dichlorobenzidine	880 J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	1080	500	53	
117-84-0	Di-n-octyl Phthalate	1030	200	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/25/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420095-4
File ID: J:\MS17\DATA\012505\0125F006.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420095
Calibration ID: CAL4178

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	102	20-130	01/25/05	Acceptable
Phenol-d6	108	20-130	01/25/05	Acceptable
Nitrobenzene-d5	104	20-130	01/25/05	Acceptable
2-Fluorobiphenyl	106	20-130	01/25/05	Acceptable
2,4,6-Tribromophenol	112	20-130	01/25/05	Acceptable
Terphenyl-d14	135	20-130	01/25/05	Outside Control Limits

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0420096-1
 File ID: J:\MS06\DATA\012705\0127F009.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4186

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	453	400	10	
62-53-3	Aniline	427 J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	700	40	8.7	
108-95-2	Phenol	799	100	17	
95-57-8	2-Chlorophenol	767	80	11	
541-73-1	1,3-Dichlorobenzene	675	40	11	
106-46-7	1,4-Dichlorobenzene	662	40	11	
95-50-1	1,2-Dichlorobenzene	706	40	12	
100-51-6	Benzyl Alcohol	584	80	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	675	40	11	
95-48-7	2-Methylphenol	744	80	53	
67-72-1	Hexachloroethane	709	40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	750	40	8.2	
106-44-5	4-Methylphenol†	750	80	15	
98-95-3	Nitrobenzene	718	40	10	
78-59-1	Isophorone	841	40	5.8	
88-75-5	2-Nitrophenol	763	200	15	
105-67-9	2,4-Dimethylphenol	444	80	13	
111-91-1	Bis(2-chloroethoxy)methane	691	80	5.0	
120-83-2	2,4-Dichlorophenol	762	200	12	
65-85-0	Benzoic Acid	1920	800	190	
120-82-1	1,2,4-Trichlorobenzene	688	40	9.9	
106-47-8	4-Chloroaniline	587	200	5.9	
87-68-3	Hexachlorobutadiene	681	40	8.5	
59-50-7	4-Chloro-3-methylphenol	789	200	72	
77-47-4	Hexachlorocyclopentadiene	688 J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	781	200	8.8	
95-95-4	2,4,5-Trichlorophenol	794	200	11	

* Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0420096-1
 File ID: J:\MS06\DATA\012705\0127F009.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4186

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	699		40	5.9	
88-74-4	2-Nitroaniline	740		200	26	
131-11-3	Dimethyl Phthalate	756		40	5.1	
606-20-2	2,6-Dinitrotoluene	783		80	7.0	
99-09-2	3-Nitroaniline	693		400	8.9	
51-28-5	2,4-Dinitrophenol	911		800	23	
100-02-7	4-Nitrophenol	942		400	7.5	
121-14-2	2,4-Dinitrotoluene	790		80	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	742		40	4.5	
84-66-2	Diethyl Phthalate	778		80	9.4	
100-01-6	4-Nitroaniline	723		200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	1020		400	15	
86-30-6	N-Nitrosodiphenylamine	878		40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	781		40	5.5	
118-74-1	Hexachlorobenzene	815		40	5.9	
87-86-5	Pentachlorophenol	874		400	31	
86-74-8	Carbazole	843		200	33	
84-74-2	Di-n-butyl Phthalate	841		40	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	878		80	14	
91-94-1	3,3'-Dichlorobenzidine	781	J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	10500	E	500	53	*
117-84-0	Di-n-octyl Phthalate	895		80	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
Lab Code: KWG0420096-1
File ID: J:\MS06\DATA\012705\0127F009.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4186

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	20-130	01/27/05	Acceptable
Phenol-d6	81	20-130	01/27/05	Acceptable
Nitrobenzene-d5	78	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	80	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	85	20-130	01/27/05	Acceptable
Terphenyl-d14	95	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0420096-1
 File ID: J:\MS17\DATA\012705\0127F019.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	429		200	10	
62-53-3	Aniline	475	J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	711		40	8.7	
108-95-2	Phenol	839		100	17	
95-57-8	2-Chlorophenol	816		80	11	
541-73-1	1,3-Dichlorobenzene	674		40	11	
106-46-7	1,4-Dichlorobenzene	661		40	11	
95-50-1	1,2-Dichlorobenzene	645		40	12	
100-51-6	Benzyl Alcohol	671		40	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	720		40	11	
95-48-7	2-Methylphenol	812		80	53	
67-72-1	Hexachloroethane	752		40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	816		40	8.2	
106-44-5	4-Methylphenol†	814		80	15	
98-95-3	Nitrobenzene	752		40	10	
78-59-1	Isophorone	840		40	5.8	
88-75-5	2-Nitrophenol	796		200	15	
105-67-9	2,4-Dimethylphenol	459		80	13	
111-91-1	Bis(2-chloroethoxy)methane	677		40	5.0	
120-83-2	2,4-Dichlorophenol	789		80	12	
65-85-0	Benzoic Acid	2150		800	190	
120-82-1	1,2,4-Trichlorobenzene	663		40	9.9	
106-47-8	4-Chloroaniline	584		200	5.9	
87-68-3	Hexachlorobutadiene	663		40	8.5	
59-50-7	4-Chloro-3-methylphenol	830		200	72	
77-47-4	Hexachlorocyclopentadiene	729	J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	845		200	8.8	
95-95-4	2,4,5-Trichlorophenol	886		200	11	

Comments:

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
 Lab Code: KWG0420096-1
 File ID: J:\MS17\DATA\012705\0127F019.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	940		40	5.9	
88-74-4	2-Nitroaniline	812		200	26	
131-11-3	Dimethyl Phthalate	781		40	5.1	
606-20-2	2,6-Dinitrotoluene	813		80	7.0	
99-09-2	3-Nitroaniline	812		400	8.9	
51-28-5	2,4-Dinitrophenol	1070		800	23	
100-02-7	4-Nitrophenol	1000		400	7.5	
121-14-2	2,4-Dinitrotoluene	835		80	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	722		40	4.5	
84-66-2	Diethyl Phthalate	833		80	9.4	
100-01-6	4-Nitroaniline	839		200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	993		400	15	
86-30-6	N-Nitrosodiphenylamine	894		40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	754		40	5.5	
118-74-1	Hexachlorobenzene	768		40	5.9	
87-86-5	Pentachlorophenol	1370		400	31	*
86-74-8	Carbazole	894		200	33	
84-74-2	Di-n-butyl Phthalate	934		80	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	995		80	14	
91-94-1	3,3'-Dichlorobenzidine	930	J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	8620	E	500	53	*
117-84-0	Di-n-octyl Phthalate	1060		200	13	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Lab Control Sample
Lab Code: KWG0420096-1
File ID: J:\MS17\DATA\012705\0127F019.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	20-130	01/27/05	Acceptable
Phenol-d6	88	20-130	01/27/05	Acceptable
Nitrobenzene-d5	86	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	80	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	92	20-130	01/27/05	Acceptable
Terphenyl-d14	101	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0420096-2
 File ID: J:\MS06\DATA\012705\0127F010.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4186

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	471	400	10	
62-53-3	Aniline	503 J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	774	40	8.7	
108-95-2	Phenol	883	100	17	
95-57-8	2-Chlorophenol	847	80	11	
541-73-1	1,3-Dichlorobenzene	745	40	11	
106-46-7	1,4-Dichlorobenzene	724	40	11	
95-50-1	1,2-Dichlorobenzene	765	40	12	
100-51-6	Benzyl Alcohol	683	80	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	753	40	11	
95-48-7	2-Methylphenol	818	80	53	
67-72-1	Hexachloroethane	749	40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	869	40	8.2	
106-44-5	4-Methylphenol†	826	80	15	
98-95-3	Nitrobenzene	799	40	10	
78-59-1	Isophorone	1000	40	5.8	
88-75-5	2-Nitrophenol	873	200	15	
105-67-9	2,4-Dimethylphenol	447	80	13	
111-91-1	Bis(2-chloroethoxy)methane	805	80	5.0	
120-83-2	2,4-Dichlorophenol	871	200	12	
65-85-0	Benzoic Acid	1690	800	190	
120-82-1	1,2,4-Trichlorobenzene	757	40	9.9	
106-47-8	4-Chloroaniline	857	200	5.9	
87-68-3	Hexachlorobutadiene	756	40	8.5	
59-50-7	4-Chloro-3-methylphenol	913	200	72	
77-47-4	Hexachlorocyclopentadiene	780 J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	895	200	8.8	
95-95-4	2,4,5-Trichlorophenol	917	200	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0420096-2
 File ID: J:\MS06\DATA\012705\0127F010.D
 Instrument ID: MS06

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4186

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	791		40	5.9	
88-74-4	2-Nitroaniline	840		200	26	
131-11-3	Dimethyl Phthalate	847		40	5.1	
606-20-2	2,6-Dinitrotoluene	866		80	7.0	
99-09-2	3-Nitroaniline	827		400	8.9	
51-28-5	2,4-Dinitrophenol	1000		800	23	
100-02-7	4-Nitrophenol	1020		400	7.5	
121-14-2	2,4-Dinitrotoluene	880		80	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	829		40	4.5	
84-66-2	Diethyl Phthalate	867		80	9.4	
100-01-6	4-Nitroaniline	884		200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	1160		400	15	
86-30-6	N-Nitrosodiphenylamine	979		40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	879		40	5.5	
118-74-1	Hexachlorobenzene	914		40	5.9	
87-86-5	Pentachlorophenol	992		400	31	
86-74-8	Carbazole	962		200	33	
84-74-2	Di-n-butyl Phthalate	1010		40	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	1020		80	14	
91-94-1	3,3'-Dichlorobenzidine	883	J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	1140		500	53	
117-84-0	Di-n-octyl Phthalate	996		80	13	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420096-2
File ID: J:\MS06\DATA\012705\0127F010.D
Instrument ID: MS06

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4186

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	87	20-130	01/27/05	Acceptable
Phenol-d6	97	20-130	01/27/05	Acceptable
Nitrobenzene-d5	94	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	100	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	107	20-130	01/27/05	Acceptable
Terphenyl-d14	119	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0420096-2
 File ID: J:\MS17\DATA\012705\0127F020.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
62-75-9	N-Nitrosodimethylamine	421		200	10	
62-53-3	Aniline	562	J	800	230	
111-44-4	Bis(2-chloroethyl) Ether	794		40	8.7	
108-95-2	Phenol	932		100	17	
95-57-8	2-Chlorophenol	906		80	11	
541-73-1	1,3-Dichlorobenzene	740		40	11	
106-46-7	1,4-Dichlorobenzene	732		40	11	
95-50-1	1,2-Dichlorobenzene	715		40	12	
100-51-6	Benzyl Alcohol	737		40	6.7	
39638-32-9	Bis(2-chloroisopropyl) Ether	820		40	11	
95-48-7	2-Methylphenol	907		80	53	
67-72-1	Hexachloroethane	850		40	8.5	
621-64-7	N-Nitrosodi-n-propylamine	929		40	8.2	
106-44-5	4-Methylphenol†	895		80	15	
98-95-3	Nitrobenzene	849		40	10	
78-59-1	Isophorone	956		40	5.8	
88-75-5	2-Nitrophenol	894		200	15	
105-67-9	2,4-Dimethylphenol	453		80	13	
111-91-1	Bis(2-chloroethoxy)methane	761		40	5.0	
120-83-2	2,4-Dichlorophenol	873		80	12	
65-85-0	Benzoic Acid	1830		800	190	
120-82-1	1,2,4-Trichlorobenzene	740		40	9.9	
106-47-8	4-Chloroaniline	676		200	5.9	
87-68-3	Hexachlorobutadiene	737		40	8.5	
59-50-7	4-Chloro-3-methylphenol	929		200	72	
77-47-4	Hexachlorocyclopentadiene	814	J	5000	5000	
88-06-2	2,4,6-Trichlorophenol	960		200	8.8	
95-95-4	2,4,5-Trichlorophenol	1000		200	11	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/20/2004
 Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0420096-2
 File ID: J:\MS17\DATA\012705\0127F020.D
 Instrument ID: MS17

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
 Calibration ID: CAL4178

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-58-7	2-Chloronaphthalene	1090		40	5.9	
88-74-4	2-Nitroaniline	920		200	26	
131-11-3	Dimethyl Phthalate	896		40	5.1	
606-20-2	2,6-Dinitrotoluene	920		80	7.0	
99-09-2	3-Nitroaniline	924		400	8.9	
51-28-5	2,4-Dinitrophenol	1140		800	23	
100-02-7	4-Nitrophenol	1110		400	7.5	
121-14-2	2,4-Dinitrotoluene	946		80	8.5	
7005-72-3	4-Chlorophenyl Phenyl Ether	819		40	4.5	
84-66-2	Diethyl Phthalate	944		80	9.4	
100-01-6	4-Nitroaniline	954		200	26	
534-52-1	2-Methyl-4,6-dinitrophenol	1120		400	15	
86-30-6	N-Nitrosodiphenylamine	1000		40	9.5	
101-55-3	4-Bromophenyl Phenyl Ether	849		40	5.5	
118-74-1	Hexachlorobenzene	875		40	5.9	
87-86-5	Pentachlorophenol	1480		400	31	*
86-74-8	Carbazole	1080		200	33	
84-74-2	Di-n-butyl Phthalate	1050		80	16	
92-87-5	Benzidine	5000	U	5000	5000	*
85-68-7	Butyl Benzyl Phthalate	1110		80	14	
91-94-1	3,3'-Dichlorobenzidine	1040	J	2000	780	
117-81-7	Bis(2-ethylhexyl) Phthalate	1280		500	53	
117-84-0	Di-n-octyl Phthalate	1150		200	13	*

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/20/2004
Date Analyzed: 01/27/2005

Semivolatile Organic Compounds by GC/MS SIM

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0420096-2
File ID: J:\MS17\DATA\012705\0127F020.D
Instrument ID: MS17

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420096
Calibration ID: CAL4178

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	84	20-130	01/27/05	Acceptable
Phenol-d6	104	20-130	01/27/05	Acceptable
Nitrobenzene-d5	104	20-130	01/27/05	Acceptable
2-Fluorobiphenyl	98	20-130	01/27/05	Acceptable
2,4,6-Tribromophenol	107	20-130	01/27/05	Acceptable
Terphenyl-d14	124	20-130	01/27/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

Polynuclear Aromatic Hydrocarbons
EPA Method 8270C

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 01/24/2005
Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-M-M-PP-FL-comp-1
Lab Code: K2409809-001
File ID: J:\MS14\DATA\012605\0126F005.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.6		1.0	0.26	
91-57-6	2-Methylnaphthalene	2.0		1.0	0.15	
208-96-8	Acenaphthylene	0.26	J	0.50	0.050	
83-32-9	Acenaphthene	5.3		0.50	0.074	
132-64-9	Dibenzofuran	3.1		0.50	0.052	
86-73-7	Fluorene	3.3		0.50	0.054	
85-01-8	Phenanthrene	7.3		0.50	0.066	
120-12-7	Anthracene	0.82		0.50	0.055	
206-44-0	Fluoranthene	3.1		0.50	0.053	
129-00-0	Pyrene	1.2		0.50	0.070	
56-55-3	Benz(a)anthracene	0.13	J	0.50	0.054	
218-01-9	Chrysene	0.51		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	J	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.16	J	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	66	20-130	01/26/05	Acceptable
Fluoranthene-d10	68	20-130	01/26/05	Acceptable
Terphenyl-d14	77	20-130	01/26/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/04/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-M-M-SP-FL-comp-1
 Lab Code: K2409809-002
 File ID: J:\MS14\DATA\012605\0126F006.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.05 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.3		1.0	0.26	
91-57-6	2-Methylnaphthalene	0.94	J	1.0	0.15	
208-96-8	Acenaphthylene	0.26	J	0.50	0.050	
83-32-9	Acenaphthene	2.8		0.50	0.074	
132-64-9	Dibenzofuran	1.6		0.50	0.052	
86-73-7	Fluorene	1.4		0.50	0.054	
85-01-8	Phenanthrene	1.9		0.50	0.066	
120-12-7	Anthracene	0.41	J	0.50	0.055	
206-44-0	Fluoranthene	1.4		0.50	0.053	
129-00-0	Pyrene	0.48	J	0.50	0.070	
56-55-3	Benz(a)anthracene	0.069	J	0.50	0.054	
218-01-9	Chrysene	0.14	J	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	67	20-130	01/26/05	Acceptable
Fluoranthene-d10	69	20-130	01/26/05	Acceptable
Terphenyl-d14	81	20-130	01/26/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 01/24/2005
Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-ES-FL-comp-1
Lab Code: K2409809-003
File ID: J:\MS14\DATA\012605\0126F012.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
Calibration ID: CAL4168

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.5		1.0	0.26	
91-57-6	2-Methylnaphthalene	2.3		1.0	0.15	
208-96-8	Acenaphthylene	1.0		0.50	0.050	
83-32-9	Acenaphthene	3.5		0.50	0.074	
132-64-9	Dibenzofuran	1.6		0.50	0.052	
86-73-7	Fluorene	1.3		0.50	0.054	
85-01-8	Phenanthrene	1.6		0.50	0.066	
120-12-7	Anthracene	1.6		0.50	0.055	
206-44-0	Fluoranthene	1.2		0.50	0.053	
129-00-0	Pyrene	0.59		0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	65	20-130	01/26/05	Acceptable
Fluoranthene-d10	65	20-130	01/26/05	Acceptable
Terphenyl-d14	79	20-130	01/26/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/02/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-ES-FL-comp-2
 Lab Code: K2409809-004
 File ID: J:\MS14\DATA\012605\0126F013.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.1		1.0	0.26	
91-57-6	2-Methylnaphthalene	1.9		1.0	0.15	
208-96-8	Acenaphthylene	0.65		0.50	0.050	
83-32-9	Acenaphthene	2.9		0.50	0.074	
132-64-9	Dibenzofuran	1.4		0.50	0.052	
86-73-7	Fluorene	1.0		0.50	0.054	
85-01-8	Phenanthrene	1.6		0.50	0.066	
120-12-7	Anthracene	1.2		0.50	0.055	
206-44-0	Fluoranthene	1.4		0.50	0.053	
129-00-0	Pyrene	0.91		0.50	0.070	
56-55-3	Benz(a)anthracene	0.36	J	0.50	0.054	
218-01-9	Chrysene	0.33	J	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	64	20-130	01/26/05	Acceptable
Fluoranthene-d10	66	20-130	01/26/05	Acceptable
Terphenyl-d14	80	20-130	01/26/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 01/24/2005
Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-ES-FL-comp-1
Lab Code: K2409809-005
File ID: J:\MS14\DATA\012505\0125F009.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
Calibration ID: CAL4168

Sample Amount: 10.05 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.5		1.0	0.26	
91-57-6	2-Methylnaphthalene	2.8		1.0	0.15	
208-96-8	Acenaphthylene	0.87		0.50	0.050	
83-32-9	Acenaphthene	6.6		0.50	0.074	
132-64-9	Dibenzofuran	2.9		0.50	0.052	
86-73-7	Fluorene	2.1		0.50	0.054	
85-01-8	Phenanthrene	2.4		0.50	0.066	
120-12-7	Anthracene	1.6		0.50	0.055	
206-44-0	Fluoranthene	1.6		0.50	0.053	
129-00-0	Pyrene	0.54		0.50	0.070	
56-55-3	Benz(a)anthracene	0.17	J	0.50	0.054	
218-01-9	Chrysene	0.12	J	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	67	20-130	01/25/05	Acceptable
Fluoranthene-d10	67	20-130	01/25/05	Acceptable
Terphenyl-d14	80	20-130	01/25/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 01/24/2005
Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-ES-FL-comp-2
Lab Code: K2409809-006
File ID: J:\MS14\DATA\012605\0126F014.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
Calibration ID: CAL4168

Sample Amount: 10.08 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.1		1.0	0.26	
91-57-6	2-Methylnaphthalene	2.6		1.0	0.15	
208-96-8	Acenaphthylene	1.0		0.50	0.050	
83-32-9	Acenaphthene	4.6		0.50	0.074	
132-64-9	Dibenzofuran	2.0		0.50	0.052	
86-73-7	Fluorene	1.4		0.50	0.054	
85-01-8	Phenanthrene	1.6		0.50	0.066	
120-12-7	Anthracene	1.7		0.50	0.055	
206-44-0	Fluoranthene	1.4		0.50	0.053	
129-00-0	Pyrene	0.54		0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	69	20-130	01/26/05	Acceptable
Fluoranthene-d10	67	20-130	01/26/05	Acceptable
Terphenyl-d14	83	20-130	01/26/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-ES-FL-comp-1
 Lab Code: K2409809-007
 File ID: J:\MS14\DATA\012605\0126F007.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.8		1.0	0.26	
91-57-6	2-Methylnaphthalene	1.0		1.0	0.15	
208-96-8	Acenaphthylene	0.28	J	0.50	0.050	
83-32-9	Acenaphthene	2.2		0.50	0.074	
132-64-9	Dibenzofuran	1.0		0.50	0.052	
86-73-7	Fluorene	0.75		0.50	0.054	
85-01-8	Phenanthrene	0.95		0.50	0.066	
120-12-7	Anthracene	0.43	J	0.50	0.055	
206-44-0	Fluoranthene	0.97		0.50	0.053	
129-00-0	Pyrene	0.49	J	0.50	0.070	
56-55-3	Benz(a)anthracene	0.27	J	0.50	0.054	
218-01-9	Chrysene	0.31	J	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.19	J	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.22	J	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.18	J	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	J	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.20	J	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	64	20-130	01/26/05	Acceptable
Fluoranthene-d10	66	20-130	01/26/05	Acceptable
Terphenyl-d14	79	20-130	01/26/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 01/24/2005
Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-ES-FL-comp-1
Lab Code: K2409809-008
File ID: J:\MS14\DATA\012505\0125F010.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
Calibration ID: CAL4168

Sample Amount: 10.06 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.7		1.0	0.26	
91-57-6	2-Methylnaphthalene	0.99	J	1.0	0.15	
208-96-8	Acenaphthylene	0.29	J	0.50	0.050	
83-32-9	Acenaphthene	2.4		0.50	0.074	
132-64-9	Dibenzofuran	1.1		0.50	0.052	
86-73-7	Fluorene	0.76		0.50	0.054	
85-01-8	Phenanthrene	0.89		0.50	0.066	
120-12-7	Anthracene	0.41	J	0.50	0.055	
206-44-0	Fluoranthene	0.87		0.50	0.053	
129-00-0	Pyrene	0.36	J	0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	61	20-130	01/25/05	Acceptable
Fluoranthene-d10	63	20-130	01/25/05	Acceptable
Terphenyl-d14	74	20-130	01/25/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-ES-WB-comp-4
 Lab Code: K2409809-009
 File ID: J:\MS14\DATA\012505\0125F011.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.09 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	6.9		1.0	0.26	
91-57-6	2-Methylnaphthalene	5.3		1.0	0.15	
208-96-8	Acenaphthylene	1.9		0.50	0.050	
83-32-9	Acenaphthene	12		0.50	0.074	
132-64-9	Dibenzofuran	5.6		0.50	0.052	
86-73-7	Fluorene	4.5		0.50	0.054	
85-01-8	Phenanthrene	6.1		0.50	0.066	
120-12-7	Anthracene	4.2		0.50	0.055	
206-44-0	Fluoranthene	8.4		0.50	0.053	
129-00-0	Pyrene	5.3		0.50	0.070	
56-55-3	Benz(a)anthracene	2.8		0.50	0.054	
218-01-9	Chrysene	4.5		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	2.6		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	2.1		0.50	0.081	
50-32-8	Benzo(a)pyrene	1.6		0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.85		0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.15	J	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.74		0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	66	20-130	01/25/05	Acceptable
Fluoranthene-d10	68	20-130	01/25/05	Acceptable
Terphenyl-d14	78	20-130	01/25/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-ES-WB-comp-5
 Lab Code: K2409809-010
 File ID: J:\MS14\DATA\012505\0125F012.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	6.9		1.0	0.26	
91-57-6	2-Methylnaphthalene	5.4		1.0	0.15	
208-96-8	Acenaphthylene	1.8		0.50	0.050	
83-32-9	Acenaphthene	9.4		0.50	0.074	
132-64-9	Dibenzofuran	4.4		0.50	0.052	
86-73-7	Fluorene	3.3		0.50	0.054	
85-01-8	Phenanthrene	4.4		0.50	0.066	
120-12-7	Anthracene	3.4		0.50	0.055	
206-44-0	Fluoranthene	4.8		0.50	0.053	
129-00-0	Pyrene	2.8		0.50	0.070	
56-55-3	Benz(a)anthracene	1.3		0.50	0.054	
218-01-9	Chrysene	2.0		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.98		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.96		0.50	0.081	
50-32-8	Benzo(a)pyrene	0.49	J	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.25	J	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.33	J	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	66	20-130	01/25/05	Acceptable
Fluoranthene-d10	69	20-130	01/25/05	Acceptable
Terphenyl-d14	80	20-130	01/25/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T2-M-ES-WB-comp-6
 Lab Code: K2409809-011
 File ID: J:\MS14\DATA\012505\0125F007.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.05 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.5		1.0	0.26	
91-57-6	2-Methylnaphthalene	4.2		1.0	0.15	
208-96-8	Acenaphthylene	1.9		0.50	0.050	
83-32-9	Acenaphthene	9.7		0.50	0.074	
132-64-9	Dibenzofuran	4.4		0.50	0.052	
86-73-7	Fluorene	3.3		0.50	0.054	
85-01-8	Phenanthrene	4.4		0.50	0.066	
120-12-7	Anthracene	3.5		0.50	0.055	
206-44-0	Fluoranthene	6.2		0.50	0.053	
129-00-0	Pyrene	4.4		0.50	0.070	
56-55-3	Benz(a)anthracene	2.0		0.50	0.054	
218-01-9	Chrysene	2.3		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	1.8		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	1.5		0.50	0.081	
50-32-8	Benzo(a)pyrene	1.1		0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.59		0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.12	J	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.70		0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	61	20-130	01/25/05	Acceptable
Fluoranthene-d10	62	20-130	01/25/05	Acceptable
Terphenyl-d14	72	20-130	01/25/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-ES-WB-comp-1
 Lab Code: K2409809-012
 File ID: J:\MS14\DATA\012605\0126F015.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.05 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.7		1.0	0.26	
91-57-6	2-Methylnaphthalene	3.2		1.0	0.15	
208-96-8	Acenaphthylene	1.3		0.50	0.050	
83-32-9	Acenaphthene	9.7		0.50	0.074	
132-64-9	Dibenzofuran	4.1		0.50	0.052	
86-73-7	Fluorene	2.9		0.50	0.054	
85-01-8	Phenanthrene	2.7		0.50	0.066	
120-12-7	Anthracene	2.1		0.50	0.055	
206-44-0	Fluoranthene	3.4		0.50	0.053	
129-00-0	Pyrene	1.4		0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/26/05	Acceptable
Fluoranthene-d10	68	20-130	01/26/05	Acceptable
Terphenyl-d14	81	20-130	01/26/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 01/24/2005
Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-ES-WB-comp-2
Lab Code: K2409809-013
File ID: J:\MS14\DATA\012605\0126F016.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
Calibration ID: CAL4168

Sample Amount: 10.06 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.8		1.0	0.26	
91-57-6	2-Methylnaphthalene	2.8		1.0	0.15	
208-96-8	Acenaphthylene	1.3		0.50	0.050	
83-32-9	Acenaphthene	7.3		0.50	0.074	
132-64-9	Dibenzofuran	3.4		0.50	0.052	
86-73-7	Fluorene	2.3		0.50	0.054	
85-01-8	Phenanthrene	2.6		0.50	0.066	
120-12-7	Anthracene	2.2		0.50	0.055	
206-44-0	Fluoranthene	2.5		0.50	0.053	
129-00-0	Pyrene	1.3		0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	64	20-130	01/26/05	Acceptable
Fluoranthene-d10	65	20-130	01/26/05	Acceptable
Terphenyl-d14	78	20-130	01/26/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 01/24/2005
Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-ES-WB-comp-3
Lab Code: K2409809-014
File ID: J:\MS14\DATA\012505\0125F013.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.2		1.0	0.26	
91-57-6	2-Methylnaphthalene	2.9		1.0	0.15	
208-96-8	Acenaphthylene	1.3		0.50	0.050	
83-32-9	Acenaphthene	8.4		0.50	0.074	
132-64-9	Dibenzofuran	3.7		0.50	0.052	
86-73-7	Fluorene	2.7		0.50	0.054	
85-01-8	Phenanthrene	3.0		0.50	0.066	
120-12-7	Anthracene	2.4		0.50	0.055	
206-44-0	Fluoranthene	3.2		0.50	0.053	
129-00-0	Pyrene	1.6		0.50	0.070	
56-55-3	Benz(a)anthracene	0.54		0.50	0.054	
218-01-9	Chrysene	1.1		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.69		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.65		0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.28	J	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.26	J	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	64	20-130	01/25/05	Acceptable
Fluoranthene-d10	64	20-130	01/25/05	Acceptable
Terphenyl-d14	76	20-130	01/25/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-ES-WB-comp-4
 Lab Code: K2409809-015
 File ID: J:\MS14\DATA\012605\0126F009.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.08 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.6		1.0	0.26	
91-57-6	2-Methylnaphthalene	1.6		1.0	0.15	
208-96-8	Acenaphthylene	0.68		0.50	0.050	
83-32-9	Acenaphthene	3.7		0.50	0.074	
132-64-9	Dibenzofuran	1.6		0.50	0.052	
86-73-7	Fluorene	1.2		0.50	0.054	
85-01-8	Phenanthrene	1.9		0.50	0.066	
120-12-7	Anthracene	1.2		0.50	0.055	
206-44-0	Fluoranthene	3.4		0.50	0.053	
129-00-0	Pyrene	2.3		0.50	0.070	
56-55-3	Benz(a)anthracene	1.4		0.50	0.054	
218-01-9	Chrysene	2.0		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	1.6		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	1.4		0.50	0.081	
50-32-8	Benzo(a)pyrene	1.4		0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.92		0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.21	J	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.92		0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	64	20-130	01/26/05	Acceptable
Fluoranthene-d10	65	20-130	01/26/05	Acceptable
Terphenyl-d14	75	20-130	01/26/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/05/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-ES-WB-comp-5
 Lab Code: K2409809-016
 File ID: J:\MS14\DATA\012505\0125F014.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.2		1.0	0.26	
91-57-6	2-Methylnaphthalene	2.5		1.0	0.15	
208-96-8	Acenaphthylene	0.56		0.50	0.050	
83-32-9	Acenaphthene	7.6		0.50	0.074	
132-64-9	Dibenzofuran	3.2		0.50	0.052	
86-73-7	Fluorene	2.1		0.50	0.054	
85-01-8	Phenanthrene	2.6		0.50	0.066	
120-12-7	Anthracene	0.89		0.50	0.055	
206-44-0	Fluoranthene	2.3		0.50	0.053	
129-00-0	Pyrene	1.2		0.50	0.070	
56-55-3	Benz(a)anthracene	0.38	J	0.50	0.054	
218-01-9	Chrysene	0.72		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.55		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.52		0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.28	J	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.30	J	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	63	20-130	01/25/05	Acceptable
Fluoranthene-d10	63	20-130	01/25/05	Acceptable
Terphenyl-d14	75	20-130	01/25/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/05/2004
Date Received: 12/09/2004
Date Extracted: 01/24/2005
Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-ES-WB-comp-6
Lab Code: K2409809-017
File ID: J:\MS14\DATA\012505\0125F015.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
Calibration ID: CAL4168

Sample Amount: 10.06 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.0		1.0	0.26	
91-57-6	2-Methylnaphthalene	2.7		1.0	0.15	
208-96-8	Acenaphthylene	1.5		0.50	0.050	
83-32-9	Acenaphthene	8.1		0.50	0.074	
132-64-9	Dibenzofuran	4.0		0.50	0.052	
86-73-7	Fluorene	2.7		0.50	0.054	
85-01-8	Phenanthrene	3.4		0.50	0.066	
120-12-7	Anthracene	2.4		0.50	0.055	
206-44-0	Fluoranthene	4.7		0.50	0.053	
129-00-0	Pyrene	3.8		0.50	0.070	
56-55-3	Benz(a)anthracene	1.2		0.50	0.054	
218-01-9	Chrysene	2.0		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	1.2		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	1.5		0.50	0.081	
50-32-8	Benzo(a)pyrene	1.6		0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	1.1		0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	1.1		0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	70	20-130	01/25/05	Acceptable
Fluoranthene-d10	73	20-130	01/25/05	Acceptable
Terphenyl-d14	87	20-130	01/25/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 09/02/2004
Date Received: 12/09/2004
Date Extracted: 01/24/2005
Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-ES-WB-comp-1
Lab Code: K2409809-018
File ID: J:\MS14\DATA\012605\0126F011.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.3		1.0	0.26	
91-57-6	2-Methylnaphthalene	2.7		1.0	0.15	
208-96-8	Acenaphthylene	1.6		0.50	0.050	
83-32-9	Acenaphthene	8.5		0.50	0.074	
132-64-9	Dibenzofuran	4.0		0.50	0.052	
86-73-7	Fluorene	2.8		0.50	0.054	
85-01-8	Phenanthrene	3.0		0.50	0.066	
120-12-7	Anthracene	2.8		0.50	0.055	
206-44-0	Fluoranthene	3.7		0.50	0.053	
129-00-0	Pyrene	1.9		0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/26/05	Acceptable
Fluoranthene-d10	70	20-130	01/26/05	Acceptable
Terphenyl-d14	86	20-130	01/26/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-ES-WB-comp-3
 Lab Code: K2409809-019
 File ID: J:\MS14\DATA\012605\0126F010.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.02 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.5		1.0	0.26	
91-57-6	2-Methylnaphthalene	2.1		1.0	0.15	
208-96-8	Acenaphthylene	1.2		0.50	0.050	
83-32-9	Acenaphthene	6.2		0.50	0.074	
132-64-9	Dibenzofuran	2.7		0.50	0.052	
86-73-7	Fluorene	1.9		0.50	0.054	
85-01-8	Phenanthrene	2.1		0.50	0.066	
120-12-7	Anthracene	2.1		0.50	0.055	
206-44-0	Fluoranthene	2.7		0.50	0.053	
129-00-0	Pyrene	1.4		0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.33	J	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.25	J	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.16	J	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.21	J	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	65	20-130	01/26/05	Acceptable
Fluoranthene-d10	66	20-130	01/26/05	Acceptable
Terphenyl-d14	79	20-130	01/26/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/04/2004
Date Received: 12/09/2004
Date Extracted: 01/24/2005
Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-SF-WB-comp-1
Lab Code: K2409809-020
File ID: J:\MS14\DATA\012605\0126F004.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
Calibration ID: CAL4168

Sample Amount: 10.00 g
% Solids: NA
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.4		1.0	0.26	
91-57-6	2-Methylnaphthalene	1.7		1.0	0.15	
208-96-8	Acenaphthylene	0.47	J	0.50	0.050	
83-32-9	Acenaphthene	4.6		0.50	0.074	
132-64-9	Dibenzofuran	2.2		0.50	0.052	
86-73-7	Fluorene	1.6		0.50	0.054	
85-01-8	Phenanthrene	1.9		0.50	0.066	
120-12-7	Anthracene	0.66		0.50	0.055	
206-44-0	Fluoranthene	2.4		0.50	0.053	
129-00-0	Pyrene	1.5		0.50	0.070	
56-55-3	Benz(a)anthracene	0.28	J	0.50	0.054	
218-01-9	Chrysene	0.88		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.57		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.57		0.50	0.081	
50-32-8	Benzo(a)pyrene	0.35	J	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.35	J	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.36	J	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	68	20-130	01/26/05	Acceptable
Fluoranthene-d10	69	20-130	01/26/05	Acceptable
Terphenyl-d14	79	20-130	01/26/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 08/02/2004
Date Received: 12/09/2004
Date Extracted: 12/28/2004
Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-SF-WB-comp-2
Lab Code: K2409809-021
File ID: J:\MS14\DATA\012105\0121F027.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.1		1.5	0.38	
91-57-6	2-Methylnaphthalene	2.1		1.5	0.22	
208-96-8	Acenaphthylene	0.38	J	0.72	0.072	
83-32-9	Acenaphthene	5.7		0.72	0.11	
132-64-9	Dibenzofuran	2.8		0.72	0.075	
86-73-7	Fluorene	2.0		0.72	0.078	
85-01-8	Phenanthrene	2.5		0.72	0.095	
120-12-7	Anthracene	0.59	J	0.72	0.079	
206-44-0	Fluoranthene	2.3		0.72	0.076	
129-00-0	Pyrene	1.3		0.72	0.10	
56-55-3	Benzo(a)anthracene	0.32	J	0.72	0.078	
218-01-9	Chrysene	0.71	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.46	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.36	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.36	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.36	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	84	20-130	01/21/05	Acceptable
Fluoranthene-d10	86	20-130	01/21/05	Acceptable
Terphenyl-d14	110	20-130	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/04/2004
 Date Received: 12/09/2004
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-SF-WB-comp-3
 Lab Code: K2409809-022
 File ID: J:\MS14\DATA\012105\0121F036.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	4.1		1.5	0.37	
91-57-6	2-Methylnaphthalene	2.7		1.5	0.22	
208-96-8	Acenaphthylene	0.54	J	0.71	0.071	
83-32-9	Acenaphthene	9.3		0.71	0.11	
132-64-9	Dibenzofuran	4.6		0.71	0.074	
86-73-7	Fluorene	3.8		0.71	0.077	
85-01-8	Phenanthrene	3.8		0.71	0.094	
120-12-7	Anthracene	0.76		0.71	0.078	
206-44-0	Fluoranthene	2.4		0.71	0.075	
129-00-0	Pyrene	1.1		0.71	0.10	
56-55-3	Benz(a)anthracene	0.23	J	0.71	0.077	
218-01-9	Chrysene	0.49	J	0.71	0.12	
205-99-2	Benzo(b)fluoranthene	0.24	J	0.71	0.064	
207-08-9	Benzo(k)fluoranthene	0.27	J	0.71	0.12	
50-32-8	Benzo(a)pyrene	0.71	U	0.71	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.16	J	0.71	0.11	
53-70-3	Dibenz(a,h)anthracene	0.71	U	0.71	0.12	
191-24-2	Benzo(g,h,i)perylene	0.21	J	0.71	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	86	20-130	01/21/05	Acceptable
Fluoranthene-d10	87	20-130	01/21/05	Acceptable
Terphenyl-d14	112	20-130	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-SF-FL-comp-1
 Lab Code: K2409809-023
 File ID: J:\MS14\DATA\012105\0121F037.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

Sample Amount: 7.08 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	3.7		1.5	0.37	
91-57-6	2-Methylnaphthalene	2.0		1.5	0.22	
208-96-8	Acenaphthylene	0.44	J	0.71	0.071	
83-32-9	Acenaphthene	5.0		0.71	0.11	
132-64-9	Dibenzofuran	2.3		0.71	0.074	
86-73-7	Fluorene	1.6		0.71	0.077	
85-01-8	Phenanthrene	1.7		0.71	0.094	
120-12-7	Anthracene	0.51	J	0.71	0.078	
206-44-0	Fluoranthene	1.8		0.71	0.075	
129-00-0	Pyrene	1.0		0.71	0.099	
56-55-3	Benz(a)anthracene	0.34	J	0.71	0.077	
218-01-9	Chrysene	0.53	J	0.71	0.12	
205-99-2	Benzo(b)fluoranthene	0.27	J	0.71	0.064	
207-08-9	Benzo(k)fluoranthene	0.31	J	0.71	0.12	
50-32-8	Benzo(a)pyrene	0.37	J	0.71	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.32	J	0.71	0.11	
53-70-3	Dibenz(a,h)anthracene	0.71	U	0.71	0.12	
191-24-2	Benzo(g,h,i)perylene	0.36	J	0.71	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	82	20-130	01/21/05	Acceptable
Fluoranthene-d10	86	20-130	01/21/05	Acceptable
Terphenyl-d14	111	20-130	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-DC-EM-comp-1
 Lab Code: K2409809-024
 File ID: J:\MS14\DATA\012105\0121F038.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.2		1.5	0.37	
91-57-6	2-Methylnaphthalene	1.3	J	1.5	0.22	
208-96-8	Acenaphthylene	0.46	J	0.72	0.072	
83-32-9	Acenaphthene	0.72		0.72	0.11	
132-64-9	Dibenzofuran	0.83		0.72	0.074	
86-73-7	Fluorene	0.98		0.72	0.077	
85-01-8	Phenanthrene	5.9		0.72	0.094	
120-12-7	Anthracene	0.90		0.72	0.079	
206-44-0	Fluoranthene	3.0		0.72	0.076	
129-00-0	Pyrene	2.5		0.72	0.10	
56-55-3	Benz(a)anthracene	0.71	J	0.72	0.077	
218-01-9	Chrysene	0.80		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.40	J	0.72	0.064	
207-08-9	Benzo(k)fluoranthene	0.44	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.59	J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.13	J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.45	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	71	20-130	01/21/05	Acceptable
Fluoranthene-d10	73	20-130	01/21/05	Acceptable
Terphenyl-d14	100	20-130	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-DC-EM-comp-2
 Lab Code: K2409809-025
 File ID: J:\MS14\DATA\012105\0121F039.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.1		1.5	0.37	
91-57-6	2-Methylnaphthalene	0.92	J	1.5	0.22	
208-96-8	Acenaphthylene	0.22	J	0.72	0.072	
83-32-9	Acenaphthene	0.45	J	0.72	0.11	
132-64-9	Dibenzofuran	0.46	J	0.72	0.074	
86-73-7	Fluorene	0.44	J	0.72	0.077	
85-01-8	Phenanthrene	0.62	J	0.72	0.094	
120-12-7	Anthracene	0.25	J	0.72	0.079	
206-44-0	Fluoranthene	0.26	J	0.72	0.076	
129-00-0	Pyrene	0.29	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.12	J	0.72	0.077	
218-01-9	Chrysene	0.14	J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	81	20-130	01/21/05	Acceptable
Fluoranthene-d10	83	20-130	01/21/05	Acceptable
Terphenyl-d14	115	20-130	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-DC-EM-comp-3
 Lab Code: K2409809-026
 File ID: J:\MS14\DATA\012105\0121F040.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.2		1.5	0.37	
91-57-6	2-Methylnaphthalene	0.90	J	1.5	0.22	
208-96-8	Acenaphthylene	0.22	J	0.71	0.071	
83-32-9	Acenaphthene	0.41	J	0.71	0.11	
132-64-9	Dibenzofuran	0.40	J	0.71	0.074	
86-73-7	Fluorene	0.31	J	0.71	0.077	
85-01-8	Phenanthrene	0.58	J	0.71	0.094	
120-12-7	Anthracene	0.19	J	0.71	0.079	
206-44-0	Fluoranthene	0.26	J	0.71	0.076	
129-00-0	Pyrene	0.28	J	0.71	0.10	
56-55-3	Benz(a)anthracene	0.081	J	0.71	0.077	
218-01-9	Chrysene	0.13	J	0.71	0.12	
205-99-2	Benzo(b)fluoranthene	0.71	U	0.71	0.064	
207-08-9	Benzo(k)fluoranthene	0.71	U	0.71	0.12	
50-32-8	Benzo(a)pyrene	0.71	U	0.71	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.71	U	0.71	0.11	
53-70-3	Dibenz(a,h)anthracene	0.71	U	0.71	0.12	
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	80	20-130	01/21/05	Acceptable
Fluoranthene-d10	84	20-130	01/21/05	Acceptable
Terphenyl-d14	117	20-130	01/21/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T1-M-DC-HP-comp-1
 Lab Code: K2409809-027
 File ID: J:\MS14\DATA\012105\0121F041.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.2		1.5	0.38	
91-57-6	2-Methylnaphthalene	2.8		1.5	0.22	
208-96-8	Acenaphthylene	1.7		0.72	0.072	
83-32-9	Acenaphthene	6.7		0.72	0.11	
132-64-9	Dibenzofuran	2.4		0.72	0.075	
86-73-7	Fluorene	1.5		0.72	0.078	
85-01-8	Phenanthrene	3.0		0.72	0.095	
120-12-7	Anthracene	3.5		0.72	0.079	
206-44-0	Fluoranthene	3.4		0.72	0.076	
129-00-0	Pyrene	1.8		0.72	0.10	
56-55-3	Benzo(a)anthracene	1.1		0.72	0.078	
218-01-9	Chrysene	1.5		0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.31	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.54	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.28	J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	84	20-130	01/21/05	Acceptable
Fluoranthene-d10	89	20-130	01/21/05	Acceptable
Terphenyl-d14	110	20-130	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/30/2004
 Date Received: 12/09/2004
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-DC-EM-comp-1
 Lab Code: K2409809-028
 File ID: J:\MS14\DATA\012105\0121F042.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.1		1.5	0.37	
91-57-6	2-Methylnaphthalene	1.1	J	1.5	0.22	
208-96-8	Acenaphthylene	0.24	J	0.71	0.071	
83-32-9	Acenaphthene	0.62	J	0.71	0.11	
132-64-9	Dibenzofuran	0.70	J	0.71	0.074	
86-73-7	Fluorene	0.63	J	0.71	0.077	
85-01-8	Phenanthrene	0.72		0.71	0.094	
120-12-7	Anthracene	0.27	J	0.71	0.078	
206-44-0	Fluoranthene	0.99		0.71	0.076	
129-00-0	Pyrene	0.92		0.71	0.10	
56-55-3	Benz(a)anthracene	0.33	J	0.71	0.077	
218-01-9	Chrysene	0.36	J	0.71	0.12	
205-99-2	Benzo(b)fluoranthene	0.25	J	0.71	0.064	
207-08-9	Benzo(k)fluoranthene	0.25	J	0.71	0.12	
50-32-8	Benzo(a)pyrene	0.29	J	0.71	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.21	J	0.71	0.11	
53-70-3	Dibenz(a,h)anthracene	0.71	U	0.71	0.12	
191-24-2	Benzo(g,h,i)perylene	0.27	J	0.71	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	82	20-130	01/21/05	Acceptable
Fluoranthene-d10	86	20-130	01/21/05	Acceptable
Terphenyl-d14	115	20-130	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 09/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/28/2004
 Date Analyzed: 01/22/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-DC-EM-comp-2
 Lab Code: K2409809-029
 File ID: J:\MS14\DATA\012105\0121F043.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.0		1.5	0.38	
91-57-6	2-Methylnaphthalene	0.98	J	1.5	0.22	
208-96-8	Acenaphthylene	0.20	J	0.72	0.072	
83-32-9	Acenaphthene	0.56	J	0.72	0.11	
132-64-9	Dibenzofuran	0.46	J	0.72	0.075	
86-73-7	Fluorene	0.42	J	0.72	0.077	
85-01-8	Phenanthrene	0.55	J	0.72	0.095	
120-12-7	Anthracene	0.20	J	0.72	0.079	
206-44-0	Fluoranthene	0.24	J	0.72	0.076	
129-00-0	Pyrene	0.29	J	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.077	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.72	U	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.72	U	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	78	20-130	01/22/05	Acceptable
Fluoranthene-d10	81	20-130	01/22/05	Acceptable
Terphenyl-d14	113	20-130	01/22/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
Date Collected: 09/01/2004
Date Received: 12/09/2004
Date Extracted: 12/28/2004
Date Analyzed: 01/22/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-DC-EM-comp-3
Lab Code: K2409809-030
File ID: J:\MS14\DATA\012105\0121F044.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	2.1		1.5	0.37	
91-57-6	2-Methylnaphthalene	1.1	J	1.5	0.22	
208-96-8	Acenaphthylene	0.21	J	0.71	0.071	
83-32-9	Acenaphthene	0.89		0.71	0.11	
132-64-9	Dibenzofuran	0.70	J	0.71	0.074	
86-73-7	Fluorene	0.74		0.71	0.077	
85-01-8	Phenanthrene	0.72		0.71	0.094	
120-12-7	Anthracene	0.31	J	0.71	0.079	
206-44-0	Fluoranthene	0.76		0.71	0.076	
129-00-0	Pyrene	0.54	J	0.71	0.10	
56-55-3	Benz(a)anthracene	0.17	J	0.71	0.077	
218-01-9	Chrysene	0.16	J	0.71	0.12	
205-99-2	Benzo(b)fluoranthene	0.12	J	0.71	0.064	
207-08-9	Benzo(k)fluoranthene	0.71	U	0.71	0.12	
50-32-8	Benzo(a)pyrene	0.71	U	0.71	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.71	U	0.71	0.11	
53-70-3	Dibenz(a,h)anthracene	0.71	U	0.71	0.12	
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	82	20-130	01/22/05	Acceptable
Fluoranthene-d10	84	20-130	01/22/05	Acceptable
Terphenyl-d14	114	20-130	01/22/05	Acceptable

Comments:

Analytical Results

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

Service Request: K2409809
Date Collected: 08/03/2004
Date Received: 12/09/2004
Date Extracted: 12/28/2004
Date Analyzed: 01/22/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-DC-HP-comp-1
Lab Code: K2409809-031
File ID: J:\MS14\DATA\012105\0121F045.D
Instrument ID: MS14

Units: ug/Kg
Basis: Wet
Level: Low

Extraction Method: EPA 3541
Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	5.5		1.5	0.38	
91-57-6	2-Methylnaphthalene	3.4		1.5	0.22	
208-96-8	Acenaphthylene	1.8		0.72	0.072	
83-32-9	Acenaphthene	12		0.72	0.11	
132-64-9	Dibenzofuran	3.8		0.72	0.075	
86-73-7	Fluorene	3.4		0.72	0.078	
85-01-8	Phenanthrene	3.2		0.72	0.095	
120-12-7	Anthracene	3.7		0.72	0.079	
206-44-0	Fluoranthene	0.72	U	0.72	0.076	
129-00-0	Pyrene	0.72	U	0.72	0.10	
56-55-3	Benz(a)anthracene	0.72	U	0.72	0.078	
218-01-9	Chrysene	0.72	U	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.49	J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.60	J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.72	U	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.74		0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.72	U	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.90		0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	87	20-130	01/22/05	Acceptable
Fluoranthene-d10	81	20-130	01/22/05	Acceptable
Terphenyl-d14	59	20-130	01/22/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 12/28/2004
 Date Analyzed: 01/23/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-DC-HP-comp-1DL
 Lab Code: K2409809-031
 File ID: J:\MS14\DATA\012105\0121F103.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

Sample Amount: 7.00 g
 % Solids: NA
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	6.3	JD	15	3.8	
91-57-6	2-Methylnaphthalene	3.6	JD	15	2.2	
208-96-8	Acenaphthylene	3.2	JD	7.2	0.72	
83-32-9	Acenaphthene	10	D	7.2	1.1	
132-64-9	Dibenzofuran	3.3	JD	7.2	0.75	
86-73-7	Fluorene	2.8	JD	7.2	0.78	
85-01-8	Phenanthrene	3.2	JD	7.2	0.95	
120-12-7	Anthracene	4.6	JD	7.2	0.79	
206-44-0	Fluoranthene	5.1	JD	7.2	0.76	
129-00-0	Pyrene	4.4	JD	7.2	1.0	
56-55-3	Benz(a)anthracene	7.2	U	7.2	0.78	
218-01-9	Chrysene	7.2	U	7.2	1.2	
205-99-2	Benzo(b)fluoranthene	7.2	U	7.2	0.65	
207-08-9	Benzo(k)fluoranthene	7.2	U	7.2	1.2	
50-32-8	Benzo(a)pyrene	7.2	U	7.2	1.1	
193-39-5	Indeno(1,2,3-cd)pyrene	7.2	U	7.2	1.1	
53-70-3	Dibenz(a,h)anthracene	7.2	U	7.2	1.2	
191-24-2	Benzo(g,h,i)perylene	7.2	U	7.2	1.4	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	79	20-130	01/23/05	Acceptable
Fluoranthene-d10	84	20-130	01/23/05	Acceptable
Terphenyl-d14	105	20-130	01/23/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/04/2004
 Date Received: 12/09/2004
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T4-M-SF-WB-comp-3DUP
 Lab Code: KWG0420599-1
 File ID: J:\MS14\DATA\012105\0121F034.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

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

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-20-3	Naphthalene	4.1	1.5	0.37	
91-57-6	2-Methylnaphthalene	2.8	1.5	0.22	
208-96-8	Acenaphthylene	0.57 J	0.72	0.072	
83-32-9	Acenaphthene	8.7	0.72	0.11	
132-64-9	Dibenzofuran	4.5	0.72	0.074	
86-73-7	Fluorene	3.7	0.72	0.077	
85-01-8	Phenanthrene	3.8	0.72	0.094	
120-12-7	Anthracene	0.78	0.72	0.079	
206-44-0	Fluoranthene	2.3	0.72	0.076	
129-00-0	Pyrene	1.1	0.72	0.10	
56-55-3	Benz(a)anthracene	0.28 J	0.72	0.077	
218-01-9	Chrysene	0.51 J	0.72	0.12	
205-99-2	Benzo(b)fluoranthene	0.35 J	0.72	0.065	
207-08-9	Benzo(k)fluoranthene	0.32 J	0.72	0.12	
50-32-8	Benzo(a)pyrene	0.30 J	0.72	0.11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.24 J	0.72	0.11	
53-70-3	Dibenz(a,h)anthracene	0.14 J	0.72	0.12	
191-24-2	Benzo(g,h,i)perylene	0.29 J	0.72	0.14	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	81	20-130	01/21/05	Acceptable
Fluoranthene-d10	84	20-130	01/21/05	Acceptable
Terphenyl-d14	109	20-130	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: 08/03/2004
 Date Received: 12/09/2004
 Date Extracted: 01/24/2005
 Date Analyzed: 01/26/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: LDW-T3-M-ES-FL-comp-1DUP
 Lab Code: KWG0501179-5
 File ID: J:\MS14\DATA\012605\0126F008.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	1.7		1.0	0.26	
91-57-6	2-Methylnaphthalene	0.96	J	1.0	0.15	
208-96-8	Acenaphthylene	0.26	J	0.50	0.050	
83-32-9	Acenaphthene	2.0		0.50	0.074	
132-64-9	Dibenzofuran	0.92		0.50	0.052	
86-73-7	Fluorene	0.69		0.50	0.054	
85-01-8	Phenanthrene	0.82		0.50	0.066	
120-12-7	Anthracene	0.40	J	0.50	0.055	
206-44-0	Fluoranthene	0.82		0.50	0.053	
129-00-0	Pyrene	0.33	J	0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	65	20-130	01/26/05	Acceptable
Fluoranthene-d10	69	20-130	01/26/05	Acceptable
Terphenyl-d14	84	20-130	01/26/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Method Blank
 Lab Code: KWG0420599-5
 File ID: J:\MS14\DATA\012105\0121F031.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	0.88	J	1.0	0.26	
91-57-6	2-Methylnaphthalene	0.24	J	1.0	0.15	
208-96-8	Acenaphthylene	0.50	U	0.50	0.050	
83-32-9	Acenaphthene	0.50	U	0.50	0.074	
132-64-9	Dibenzofuran	0.50	U	0.50	0.052	
86-73-7	Fluorene	0.50	U	0.50	0.054	
85-01-8	Phenanthrene	0.13	J	0.50	0.066	
120-12-7	Anthracene	0.50	U	0.50	0.055	
206-44-0	Fluoranthene	0.50	U	0.50	0.053	
129-00-0	Pyrene	0.50	U	0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	61	20-130	01/21/05	Acceptable
Fluoranthene-d10	73	20-130	01/21/05	Acceptable
Terphenyl-d14	102	20-130	01/21/05	Acceptable

Comments:

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 01/24/2005
 Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Method Blank
 Lab Code: KWG0501179-3
 File ID: J:\MS14\DATA\012505\0125F004.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.08 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	0.28	J	1.0	0.26	
91-57-6	2-Methylnaphthalene	0.17	J	1.0	0.15	
208-96-8	Acenaphthylene	0.055	J	0.50	0.050	
83-32-9	Acenaphthene	0.50	U	0.50	0.074	
132-64-9	Dibenzofuran	0.13	J	0.50	0.052	
86-73-7	Fluorene	0.12	J	0.50	0.054	
85-01-8	Phenanthrene	0.34	J	0.50	0.066	
120-12-7	Anthracene	0.15	J	0.50	0.055	
206-44-0	Fluoranthene	0.29	J	0.50	0.053	
129-00-0	Pyrene	0.19	J	0.50	0.070	
56-55-3	Benz(a)anthracene	0.50	U	0.50	0.054	
218-01-9	Chrysene	0.50	U	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	0.081	
50-32-8	Benzo(a)pyrene	0.50	U	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	U	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	0.50	U	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	0.50	U	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	55	20-130	01/25/05	Acceptable
Fluoranthene-d10	61	20-130	01/25/05	Acceptable
Terphenyl-d14	79	20-130	01/25/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Lab Control Sample
 Lab Code: KWG0420599-3
 File ID: J:\MS14\DATA\012105\0121F032.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	MDL	Note
91-20-3	Naphthalene	232	1.0	0.26	
91-57-6	2-Methylnaphthalene	236	1.0	0.15	
208-96-8	Acenaphthylene	241	0.50	0.050	
83-32-9	Acenaphthene	240	0.50	0.074	
132-64-9	Dibenzofuran	239	0.50	0.052	
86-73-7	Fluorene	243	0.50	0.054	
85-01-8	Phenanthrene	238	0.50	0.066	
120-12-7	Anthracene	246	0.50	0.055	
206-44-0	Fluoranthene	247	0.50	0.053	
129-00-0	Pyrene	245	0.50	0.070	
56-55-3	Benz(a)anthracene	251	0.50	0.054	
218-01-9	Chrysene	258	0.50	0.080	
205-99-2	Benzo(b)fluoranthene	265	0.50	0.045	
207-08-9	Benzo(k)fluoranthene	275	0.50	0.081	
50-32-8	Benzo(a)pyrene	269	0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	268	0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	287	0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	247	0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	79	20-130	01/21/05	Acceptable
Fluoranthene-d10	81	20-130	01/21/05	Acceptable
Terphenyl-d14	104	20-130	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 12/28/2004
 Date Analyzed: 01/21/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0420599-4
 File ID: J:\MS14\DATA\012105\0121F033.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0420599
 Calibration ID: CAL4168

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	238		1.0	0.26	
91-57-6	2-Methylnaphthalene	243		1.0	0.15	
208-96-8	Acenaphthylene	247		0.50	0.050	
83-32-9	Acenaphthene	246		0.50	0.074	
132-64-9	Dibenzofuran	246		0.50	0.052	
86-73-7	Fluorene	250		0.50	0.054	
85-01-8	Phenanthrene	248		0.50	0.066	
120-12-7	Anthracene	254		0.50	0.055	
206-44-0	Fluoranthene	256		0.50	0.053	
129-00-0	Pyrene	252		0.50	0.070	
56-55-3	Benz(a)anthracene	254		0.50	0.054	
218-01-9	Chrysene	262		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	266		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	275		0.50	0.081	
50-32-8	Benzo(a)pyrene	271		0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	270		0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	291		0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	250		0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	85	20-130	01/21/05	Acceptable
Fluoranthene-d10	87	20-130	01/21/05	Acceptable
Terphenyl-d14	110	20-130	01/21/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 01/24/2005
 Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Lab Control Sample
 Lab Code: KWG0501179-1
 File ID: J:\MS14\DATA\012505\0125F005.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	203		1.0	0.26	
91-57-6	2-Methylnaphthalene	207		1.0	0.15	
208-96-8	Acenaphthylene	212		0.50	0.050	
83-32-9	Acenaphthene	211		0.50	0.074	
132-64-9	Dibenzofuran	211		0.50	0.052	
86-73-7	Fluorene	214		0.50	0.054	
85-01-8	Phenanthrene	215		0.50	0.066	
120-12-7	Anthracene	221		0.50	0.055	
206-44-0	Fluoranthene	225		0.50	0.053	
129-00-0	Pyrene	223		0.50	0.070	
56-55-3	Benz(a)anthracene	225		0.50	0.054	
218-01-9	Chrysene	235		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	245		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	255		0.50	0.081	
50-32-8	Benzo(a)pyrene	245		0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	233		0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	246		0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	223		0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	67	20-130	01/25/05	Acceptable
Fluoranthene-d10	71	20-130	01/25/05	Acceptable
Terphenyl-d14	82	20-130	01/25/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K2409809
 Date Collected: NA
 Date Received: NA
 Date Extracted: 01/24/2005
 Date Analyzed: 01/25/2005

Polynuclear Aromatic Hydrocarbons

Sample Name: Duplicate Lab Control Sample
 Lab Code: KWG0501179-2
 File ID: J:\MS14\DATA\012505\0125F006.D
 Instrument ID: MS14

Units: ug/Kg
 Basis: Wet
 Level: Low

Extraction Method: EPA 3541
 Analysis Method: 8270C SIM

Extraction Lot: KWG0501179
 Calibration ID: CAL4168

Sample Amount: 10.00 g
 % Solids: NA
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
91-20-3	Naphthalene	219		1.0	0.26	
91-57-6	2-Methylnaphthalene	223		1.0	0.15	
208-96-8	Acenaphthylene	227		0.50	0.050	
83-32-9	Acenaphthene	226		0.50	0.074	
132-64-9	Dibenzofuran	226		0.50	0.052	
86-73-7	Fluorene	229		0.50	0.054	
85-01-8	Phenanthrene	228		0.50	0.066	
120-12-7	Anthracene	236		0.50	0.055	
206-44-0	Fluoranthene	242		0.50	0.053	
129-00-0	Pyrene	242		0.50	0.070	
56-55-3	Benz(a)anthracene	243		0.50	0.054	
218-01-9	Chrysene	254		0.50	0.080	
205-99-2	Benzo(b)fluoranthene	255		0.50	0.045	
207-08-9	Benzo(k)fluoranthene	265		0.50	0.081	
50-32-8	Benzo(a)pyrene	258		0.50	0.076	
193-39-5	Indeno(1,2,3-cd)pyrene	238		0.50	0.073	
53-70-3	Dibenz(a,h)anthracene	253		0.50	0.079	
191-24-2	Benzo(g,h,i)perylene	230		0.50	0.097	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Fluorene-d10	63	20-130	01/25/05	Acceptable
Fluoranthene-d10	68	20-130	01/25/05	Acceptable
Terphenyl-d14	78	20-130	01/25/05	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 12/28/2005
Date Analyzed: 1/21/2005

Standard Reference Material
Polynuclear Aromatic Hydrocarbons

Sample Name: Standard Reference Material
Lab Code: KWG0420599-2
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Phenanthrene	EPA 3541	SIM	2.5	2.7	1.1-5.6	
Fluoranthene	EPA 3541	SIM	19	21	8.8-39	
Pyrene	EPA 3541	SIM	18	21	8.3-36	
Benz(a)anthracene	EPA 3541	SIM	3.7	5.3	1.6-8.5	
Chrysene	EPA 3541	SIM	11	14	4.9-23	
Benzo(b)fluoranthene	EPA 3541	SIM	5.3	7.4	2.4-11	
Benzo(k)fluoranthene	EPA 3541	SIM	4.6	5.6	2.2-9.9	
Benzo(a)pyrene	EPA 3541	SIM	1.8	2.8	0.85-3.7	
Indeno(1,2,3-cd)pyrene	EPA 3541	SIM	1.6	2.6	0.65-3.9	
Benzo(g,h,i)perylene	EPA 3541	SIM	2.5	3.9	1.1-5.5	

Approved By: _____

Date: 1/27/05

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K2409809
Date Collected: NA
Date Received: NA
Date Extracted: 1/24/2005
Date Analyzed: 1/25/2005

Standard Reference Material
Polynuclear Aromatic Hydrocarbons

Sample Name: Standard Reference Material
Lab Code: KWG0501179-4
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	True Value	Result	CAS Advisory Limits	Result Notes
Phenanthrene	EPA 3541	SIM	2.5	2.0	1.1-5.6	
Fluoranthene	EPA 3541	SIM	19	14	8.8-39	
Pyrene	EPA 3541	SIM	18	15	8.3-36	
Benz(a)anthracene	EPA 3541	SIM	3.7	3.4	1.6-8.5	
Chrysene	EPA 3541	SIM	11	9.0	4.9-23	
Benzo(b)fluoranthene	EPA 3541	SIM	5.3	4.7	2.4-11	
Benzo(k)fluoranthene	EPA 3541	SIM	4.6	3.6	2.2-9.9	
Benzo(a)pyrene	EPA 3541	SIM	1.8	1.6	0.85-3.7	
Indeno(1,2,3-cd)pyrene	EPA 3541	SIM	1.6	1.6	0.65-3.9	
Benzo(g,h,i)perylene	EPA 3541	SIM	2.5	2.4	1.1-5.5	

Approved By: _____

LCS (44)/091898p
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Date: _____