

SW8468082

Client ID : T-6-1

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.37g

% Solid : 14.14

GPC Clean up :

Sulfur Clean up :

Report No : 13812

STL Sample Number : 113130

Lab File ID : 054R1101.D

Date Collected : 11/6/98

Date Received : 11/6/98

Date Extracted : 11/9/98

Date Analyzed : 11/12/98

Dilution Factor : 10

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	6,800	U
11104-28-2	Arochlor-1221	6,800	U
53469-21-9	Arochlor-1242	6,800	U
12672-29-6	Arochlor-1248	6,800	U
11097-69-1	Arochlor-1254	6,800	19000
11096-82-5	Arochlor-1260	6,800	42000

SW8468082

Client ID : T-6-2

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.14g

% Solid : 23.61

GPC Clean up :

Sulfur Clean up :

Report No : 13812

STL Sample Number : 113131

Lab File ID : 055R1101.D

Date Collected : 11/6/98

Date Received : 11/6/98

Date Extracted : 11/9/98

Date Analyzed : 11/12/98

Dilution Factor : 10

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	4,200	U
11104-28-2	Arochlor-1221	4,200	U
53469-21-9	Arochlor-1242	4,200	U
12672-29-6	Arochlor-1248	4,200	U
11097-69-1	Arochlor-1254	4,200	12000
11096-82-5	Arochlor-1260	4,200	44000

SW8468082

Client ID : T-6-5

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.28g

% Solid : 24.66

GPC Clean up :

Sulfur Clean up :

Report No : 13812

STL Sample Number : 113132

Lab File ID : 082R3401.D

Date Collected : 11/6/98

Date Received : 11/6/98

Date Extracted : 11/9/98

Date Analyzed : 11/12/98

Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	790	U
11104-28-2	Arochlor-1221	790	U
53469-21-9	Arochlor-1242	790	U
12672-29-6	Arochlor-1248	790	U
11097-69-1	Arochlor-1254	790	U
11096-82-5	Arochlor-1260	790	4500

SW8468082

Client ID : T-6-6	Report No : 13812
Client Name : ERM	STL Sample Number : 113133
Project Name : Raytheon-Wayland	Lab File ID : 057F1201.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.21g	Date Received : 11/6/98
% Solid : 24.18	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 10

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	4,000	U
11104-28-2	Arochlor-1221	4,000	U
53469-21-9	Arochlor-1242	4,000	U
12672-29-6	Arochlor-1248	4,000	U
11097-69-1	Arochlor-1254	4,000	U
11096-82-5	Arochlor-1260	4,000	6000

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SW8468082

Client ID :T-8-1	Report No : 13812
Client Name :ERM	STL Sample Number : 113134
Project Name :Raytheon-Wayland	Lab File ID : 083R3401.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.08g	Date Received : 11/6/98
% Solid :23.08	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	860	U
11104-28-2	Arochlor-1221	860	U
53469-21-9	Arochlor-1242	860	U
12672-29-6	Arochlor-1248	860	U
11097-69-1	Arochlor-1254	860	U
11096-82-5	Arochlor-1260	860	4800

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SW8468082

Client ID : T-8-3	Report No : 13812
Client Name : ERM	STL Sample Number : 113135
Project Name : Raytheon-Wayland	Lab File ID : 059F1401.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.19g	Date Received : 11/6/98
% Solid : 25.58	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 10

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	3,900	U
11104-28-2	Arochlor-1221	3,900	U
53469-21-9	Arochlor-1242	3,900	U
12672-29-6	Arochlor-1248	3,900	U
11097-69-1	Arochlor-1254	3,900	U
11096-82-5	Arochlor-1260	3,900	5800

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Pesticides/PCB Organics Analysis Data Sheet

SW8468082

Client ID : T-8-5	Report No : 13812
Client Name : ERM	STL Sample Number : 113136
Project Name : Raytheon-Wayland	Lab File ID : 092F0401.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.07g	Date Received : 11/6/98
% Solid : 21.82	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	910	U
11104-28-2	Arochlor-1221	910	U
53469-21-9	Arochlor-1242	910	U
12672-29-6	Arochlor-1248	910	U
11097-69-1	Arochlor-1254	910	U
11096-82-5	Arochlor-1260	910	970



SW8468082

Client ID : T-9-1

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.14g

% Solid : 26.56

GPC Clean up :

Sulfur Clean up :

Report No : 13812

STL Sample Number : 113137

Lab File ID : 091F1701.D

Date Collected : 11/6/98

Date Received : 11/6/98

Date Extracted : 11/9/98

Date Analyzed : 11/12/98

Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	740	U
11104-28-2	Arochlor-1221	740	U
53469-21-9	Arochlor-1242	740	U
2672-29-6	Arochlor-1248	740	U
1097-69-1	Arochlor-1254	740	U
1096-82-5	Arochlor-1260	740	U

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SW8468082

Client ID : T-9-3	Report No : 13812
Client Name : ERM	STL Sample Number : 113138
Project Name : Raytheon-Wayland	Lab File ID : 093F0601.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 9.91g	Date Received : 11/6/98
% Solid : 27.65	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	730	U
11104-28-2	Arochlor-1221	730	U
53469-21-9	Arochlor-1242	730	U
12672-29-6	Arochlor-1248	730	U
11097-69-1	Arochlor-1254	730	U
11096-82-5	Arochlor-1260	730	U

SW8468082

Client ID : T-9-5	Report No : 13812
Client Name : ERM	STL Sample Number : 113139
Project Name : Raytheon-Wayland	Lab File ID : 076F0701.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.54g	Date Received : 11/6/98
% Solid : 24.6	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	770	U
11104-28-2	Arochlor-1221	770	U
53469-21-9	Arochlor-1242	770	U
12672-29-6	Arochlor-1248	770	U
11097-69-1	Arochlor-1254	770	1300
11096-82-5	Arochlor-1260	770	U

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SW8468082

Client ID : T-10-1	Report No : 13812
Client Name : ERM	STL Sample Number : 113140
Project Name : Raytheon-Wayland	Lab File ID : 077F0801.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.45g	Date Received : 11/6/98
% Solid : 24.16	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	790	U
11104-28-2	Arochlor-1221	790	U
53469-21-9	Arochlor-1242	790	U
12672-29-6	Arochlor-1248	790	U
11097-69-1	Arochlor-1254	790	U
11096-82-5	Arochlor-1260	790	2100

SW8468082

Client ID : T-10-3	Report No : 13812
Client Name : ERM	STL Sample Number : 113141
Project Name : Raytheon-Wayland	Lab File ID : 029R0401.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 9.97g	Date Received : 11/6/98
% Solid : 25.53	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 10

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	3,900	U
11104-28-2	Arochlor-1221	3,900	U
53469-21-9	Arochlor-1242	3,900	U
12672-29-6	Arochlor-1248	3,900	U
11097-69-1	Arochlor-1254	3,900	U
11096-82-5	Arochlor-1260	3,900	61000

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Pesticides/PCB Organics Analysis Data Sheet

SW8468082

Client ID :T-10-5	Report No : 13812
Client Name :ERM	STL Sample Number : 113142
Project Name :Raytheon-Wayland	Lab File ID : 066R0501.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.43g	Date Received : 11/6/98
% Solid :20.37	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	940	U
11104-28-2	Arochlor-1221	940	U
53469-21-9	Arochlor-1242	940	U
12672-29-6	Arochlor-1248	940	U
11097-69-1	Arochlor-1254	940	U
11096-82-5	Arochlor-1260	940	2400



SW8468082

Client ID : T-11-3	Report No : 13812
Client Name : ERM	STL Sample Number : 113144
Project Name : Raytheon-Wayland	Lab File ID : 067R0501.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.57g	Date Received : 11/6/98
% Solid : 29.33	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	640	U
11104-28-2	Arochlor-1221	640	U
53469-21-9	Arochlor-1242	640	U
12672-29-6	Arochlor-1248	640	U
11097-69-1	Arochlor-1254	640	U
11096-82-5	Arochlor-1260	640	U

SW8468082

Client ID :T-12-1	Report No : 13812
Client Name :ERM	STL Sample Number : 113146
Project Name :Raytheon-Wayland	Lab File ID : 068R0301.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.63g	Date Received : 11/6/98
% Solid :28.33	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	660	U
11104-28-2	Arochlor-1221	660	U
53469-21-9	Arochlor-1242	660	U
12672-29-6	Arochlor-1248	660	U
11097-69-1	Arochlor-1254	660	U
11096-82-5	Arochlor-1260	660	U



SW8468082

Client ID : T-12-3	Report No : 13812
Client Name : ERM	STL Sample Number : 113147
Project Name : Raytheon-Wayland	Lab File ID : 069R0301.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.31g	Date Received : 11/6/98
% Solid : 26.03	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	740	U
11104-28-2	Arochlor-1221	740	U
53469-21-9	Arochlor-1242	740	U
12672-29-6	Arochlor-1248	740	U
11097-69-1	Arochlor-1254	740	U
11096-82-5	Arochlor-1260	740	1300

Pesticides/PCB Organics Analysis Data Sheet

SW8468082

Client ID :T-13-3	Report No : 13812
Client Name :ERM	STL Sample Number : 113148
Project Name :Raytheon-Wayland	Lab File ID : 070R0301.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.19g	Date Received : 11/6/98
% Solid :27.97	Date Extracted : 11/9/98
GPC Clean up :	Date Analyzed : 11/12/98
Sulfur Clean up :	Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	700	U
11104-28-2	Arochlor-1221	700	U
53469-21-9	Arochlor-1242	700	U
12672-29-6	Arochlor-1248	700	U
11097-69-1	Arochlor-1254	700	U
11096-82-5	Arochlor-1260	700	1900



SW8468082

Client ID : T-14-3

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.15g

% Solid : 22.9

GPC Clean up :

Sulfur Clean up :

Report No : 13812

STL Sample Number : 113149

Lab File ID : 071F0301.D

Date Collected : 11/6/98

Date Received : 11/6/98

Date Extracted : 11/9/98

Date Analyzed : 11/12/98

Dilution Factor : 2

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	860	U
11104-28-2	Arochlor-1221	860	U
53469-21-9	Arochlor-1242	860	U
12672-29-6	Arochlor-1248	860	U
11097-69-1	Arochlor-1254	860	U
11096-82-5	Arochlor-1260	860	2400

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Severn Trent Laboratory
Chain of Custody Form

7399 ^{6th St.} ~~St. John St.~~ ^{W. Mass.}



13812

•53 Southampton Rd. Westfield, MA 01085 (P) 413-572-4000 (F) 413-572-3707
 •149 Rangeway Road N. Billerica, MA 01862 (P) 978-667-1400 (F) 978-667-7871

Client: Ryan ERM Job#: 14345 Job#: _____ Quotes# _____ PO# _____
 Address: RES Newland Project Manager: John McTigue
206 D. Street, Boston MA 02116 Work ID: _____
 Phone: 617-267-8377 Fax: -6447 Contact: John McTigue / Joe Freed

Requested Turn Around Time: 15 Business Day _____ Rush Verbal 10 Business Day _____ Other Sched

Regulatory Classification - Please Specify
 NPDES _____ Drinking Water _____ MCP Other _____
 RCRA _____ MCP GW1 _____ Other _____

Sample Type Codes: WW-Wastewater SW-Surfacewater LW-Labwater SO-Soil
 RW-Raw Water GW-Groundwater PW-Public Water A-Air Z-Other
 S-Solid Soil SL-Sludge O-Oil

Sample ID Use one line per container For volatiles-one line/analysis	Sample Type	Date		Grab	Comp.	# Containers	Preservative										Volatiles	Semivolatiles	PCB & Pesticides	Metals	Cyanide	TCLP	Oil & Grease	Total Pet. Hyd. (TPH)	General Chemistry	Bacteriological	Other	TOC	
		Time Collected					Plastic(P) or Glass(G)	Na2S2O3	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Other	A °C	pH														
T-10-1	S	11/6	PM	X	2												X	X										X	X
T-10-3	S	11/6	PM	X	2												X	X										X	X
T-10-5	S	11/6	PM	X	2												X	X										X	X
T-11-1	S	11/6	PM	X	2												X	X										X	X
T-11-3	S	11/6	PM	X	2												X	X										X	X
T-11-5	S	11/6	PM	X	2												X	X										X	X
T-12-1	S	11/6	PM	X	2												X	X										X	X
T-12-3	S	11/6	PM	X	2												X	X										X	X
T-13-3	S	11/6	PM	X	2												X	X										X	X
T-14-3	S	11/6	PM	X	2												X	X										X	X

Sampled by (print): JOHN MCTIGUE 11/6/98 AM Signature: John McTigue 11/6/98 PM
 Relinquished by: _____ Date: _____ Time: _____ Received by: John McTigue 11/6/98 PM
 Relinquished by: _____ Date: _____ Time: _____ Received by: John McTigue 11/6/98 PM
 Method of shipment: _____ Laboratory: _____ Cooler #: _____
 Temp. @ receipt: _____ Preservation pH checked: _____
 By: _____ Date: _____

Comments
 (Special Instructions)

PCB by 8081
 Metals for Cu, Cr,
 Pb + TOC
 Verbal results on
 PCBs > 2ppm
 Cr, Cu > 110ppm
 Pb > 250ppm
 ASAP to John McTigue
 (617) 267-8377 or
 (617) 719-5868
 For finals to
 (617) 267-6447
 Sched form

NOV. 9. 1998 10:42AM STL MA BILLERICA P. 3/5



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Severn Trent Laboratories
Westfield Executive Park
53 Southampton Road
Westfield MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

December 03, 1998

Mr. John McTigue

ERM
399 Boylston St.
Boston, MA 02116

Report Number : 13959

Dear Mr. McTigue,

The analysis of your sample(s) submitted on 11/16/98 is now complete and the appropriate analytical report is enclosed. The samples were prepared and analyzed according to EPA established methodologies and protocols. If you have any questions regarding the report or any part of our service, please do not hesitate to contact us. Thank you for using Severn Trent Laboratories, and we look forward to receiving your next samples.

SEVERN TRENT LABORATORIES

Michael F. Wheeler, Ph.D.
Laboratory Director

Other Laboratory Locations:

- 149 Rangeway Road, North Billerica MA 01862
- 55 South Park Drive, Colchester VT 05446
- 16203 Park Row, Suite 110, Houston TX 77084
- 200 Monroe Turnpike, Monroe CT 06468
- 315 Fullerton Avenue, Newburgh NY 12550
- 120 Southcenter Court, Suite 300, Morrisville NC 27560
- 11 East Olive Road, Pensacola FL 32514
- 628 Route 10, Whippany NJ 07981

a part of
Severn Trent Services Inc

CASE NARRATIVE FOR REPORT NUMBER 13959

Client Name : ERM

Project Name : Raytheon-Wayland

Date : December 03, 1998

Sample Number	Comments
113653	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113654	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113655	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113656	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113657	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113658	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113659	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113660	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113661	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113662	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113663	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113664	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.
113665	The TOC, Chromium, Copper and Lead analysis was performed at STL Monroe, CT.

Inorganics Analysis Data Sheet

Client ID : T-3-3	Report No : 13959
Client Name : ERM	STL Sample Number : 113653
Project Name : Raytheon-Wayland	Date Collected : 11/5/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	120000	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	8310	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	5150	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	946	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-3-2	Report No : 13959
Client Name : ERM	STL Sample Number : 113654
Project Name : Raytheon-Wayland	Date Collected : 11/5/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	136000	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	2680	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	1660	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	454	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-5-2	Report No : 13959
Client Name : ERM	STL Sample Number : 113655
Project Name : Raytheon-Wayland	Date Collected : 11/5/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	100000	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	943	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	863	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	210	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-5-4	Report No : 13959
Client Name : ERM	STL Sample Number : 113656
Project Name : Raytheon-Wayland	Date Collected : 11/5/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	19000	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	197	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	519	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	221	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-6-3	Report No : 13959
Client Name : ERM	STL Sample Number : 113657
Project Name : Raytheon-Wayland	Date Collected : 11/6/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	60800	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	389	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	444	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	82.7	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-6-4	Report No : 13959
Client Name : ERM	STL Sample Number : 113658
Project Name : Raytheon-Wayland	Date Collected : 11/6/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	108000	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	2220	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	2980	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	1210	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-7-1	Report No : 13959
Client Name : ERM	STL Sample Number : 113659
Project Name : Raytheon-Wayland	Date Collected : 11/6/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	99000	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	3630	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	2070	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	668	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-7-2	Report No : 13959
Client Name : ERM	STL Sample Number : 113660
Project Name : Raytheon-Wayland	Date Collected : 11/6/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	86900	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	1190	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	1580	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	274	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-7-3	Report No : 13959
Client Name : ERM	STL Sample Number : 113661
Project Name : Raytheon-Wayland	Date Collected : 11/6/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	83300	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	210	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	233	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	68.6	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-7-4	Report No : 13959
Client Name : ERM	STL Sample Number : 113662
Project Name : Raytheon-Wayland	Date Collected : 11/6/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	149000	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	2700	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	2930	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	330	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-7-5	Report No : 13959
Client Name : ERM	STL Sample Number : 113663
Project Name : Raytheon-Wayland	Date Collected : 11/6/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	132000	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	2730	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	1720	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	312	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-10-2	Report No : 13959
Client Name : ERM	STL Sample Number : 113664
Project Name : Raytheon-Wayland	Date Collected : 11/6/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	128000	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	850	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	1080	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	227	mg/kg dry	SW8466010A	11/18/98



Inorganics Analysis Data Sheet

Client ID : T-10-4	Report No : 13959
Client Name : ERM	STL Sample Number : 113665
Project Name : Raytheon-Wayland	Date Collected : 11/6/98
Matrix Name : Soil	Date Received : 11/6/98

CAS NO	Analyte	Result	Units	Method	Date Analyzed
	Total Organic Carbon	99600	mg/kg dry	SW8469060	11/16/98
7440-47-3	Chromium	106	mg/kg dry	SW8466010A	11/18/98
7440-50-8	Copper	115	mg/kg dry	SW8466010A	11/18/98
7439-92-1	Lead	141	mg/kg dry	SW8466010A	11/18/98



SW8468082

Client ID : T-3-3

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.84g

% Solid : 15.71

GPC Clean up :

Sulfur Clean up :

Report No : 13959

STL Sample Number : 113653

Lab File ID : 042R1701.D

Date Collected : 11/5/98

Date Received : 11/6/98

Date Extracted : 11/10/98

Date Analyzed : 11/17/98

Dilution Factor : 3

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	1,800	U
11104-28-2	Arochlor-1221	1,800	U
53469-21-9	Arochlor-1242	1,800	U
12672-29-6	Arochlor-1248	1,800	U
11097-69-1	Arochlor-1254	1,800	3100
11096-82-5	Arochlor-1260	1,800	23000

SW8468082

Client ID : T-3-2

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.98g

% Solid : 17.36

GPC Clean up :

Sulfur Clean up :

Report No : 13959

STL Sample Number : 113654

Lab File ID : 043R1701.D

Date Collected : 11/5/98

Date Received : 11/6/98

Date Extracted : 11/10/98

Date Analyzed : 11/17/98

Dilution Factor : 3

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	1,600	U
11104-28-2	Arochlor-1221	1,600	U
53469-21-9	Arochlor-1242	1,600	U
12672-29-6	Arochlor-1248	1,600	U
11097-69-1	Arochlor-1254	1,600	1900
11096-82-5	Arochlor-1260	1,600	2400

Pesticides/PCB Organics Analysis Data Sheet

SW8468082

Client ID : T-5-2	Report No : 13959
Client Name : ERM	STL Sample Number : 113655
Project Name : Raytheon-Wayland	Lab File ID : 042R2201.D
Matrix : Soil	Date Collected : 11/5/98
Sample Wt/Vol : 10.07g	Date Received : 11/6/98
% Solid : 28.77	Date Extracted : 11/10/98
GPC Clean up :	Date Analyzed : 11/17/98
Sulfur Clean up :	Dilution Factor : 3

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	1,000	U
11104-28-2	Arochlor-1221	1,000	U
53469-21-9	Arochlor-1242	1,000	U
12672-29-6	Arochlor-1248	1,000	U
11097-69-1	Arochlor-1254	1,000	3700
11096-82-5	Arochlor-1260	1,000	13000



SW8468082

Client ID : T-5-4	Report No : 13959
Client Name : ERM	STL Sample Number : 113656
Project Name : Raytheon-Wayland	Lab File ID : 085R3501.D
Matrix : Soil	Date Collected : 11/5/98
Sample Wt/Vol : 10.98g	Date Received : 11/6/98
% Solid : 58.21	Date Extracted : 11/10/98
GPC Clean up :	Date Analyzed : 11/18/98
Sulfur Clean up :	Dilution Factor : 25

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	3,900	U
11104-28-2	Arochlor-1221	3,900	U
53469-21-9	Arochlor-1242	3,900	U
12672-29-6	Arochlor-1248	3,900	U
11097-69-1	Arochlor-1254	3,900	U
11096-82-5	Arochlor-1260	3,900	35000

SW8468082

Client ID : T-6-3

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.86g

% Solid : 53.81

GPC Clean up :

Sulfur Clean up :

Report No : 13959

STL Sample Number : 113657

Lab File ID : 082R3501.D

Date Collected : 11/6/98

Date Received : 11/6/98

Date Extracted : 11/10/98

Date Analyzed : 11/18/98

Dilution Factor : 6

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	1,000	U
11104-28-2	Arochlor-1221	1,000	U
53469-21-9	Arochlor-1242	1,000	U
12672-29-6	Arochlor-1248	1,000	U
11097-69-1	Arochlor-1254	1,000	1800
11096-82-5	Arochlor-1260	1,000	6500

SW8468082

Client ID : T-6-4

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.00g

% Solid : 29.54

GPC Clean up :

Sulfur Clean up :

Report No : 13959

STL Sample Number : 113658

Lab File ID : 083R3501.D

Date Collected : 11/6/98

Date Received : 11/6/98

Date Extracted : 11/10/98

Date Analyzed : 11/18/98

Dilution Factor : 6

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	2,000	U
11104-28-2	Arochlor-1221	2,000	U
53469-21-9	Arochlor-1242	2,000	U
12672-29-6	Arochlor-1248	2,000	U
11097-69-1	Arochlor-1254	2,000	4900
11096-82-5	Arochlor-1260	2,000	19000

SW8468082

Client ID : T-7-1

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.45g

% Solid : 27.39

GPC Clean up :

Sulfur Clean up :

Report No : 13959

STL Sample Number : 113659

Lab File ID : 084R3501.D

Date Collected : 11/6/98

Date Received : 11/6/98

Date Extracted : 11/10/98

Date Analyzed : 11/18/98

Dilution Factor : 15

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	5,200	U
11104-28-2	Arochlor-1221	5,200	U
53469-21-9	Arochlor-1242	5,200	U
12672-29-6	Arochlor-1248	5,200	U
11097-69-1	Arochlor-1254	5,200	10000
11096-82-5	Arochlor-1260	5,200	67000

SW8468082

Client ID : T-7-2	Report No : 13959
Client Name : ERM	STL Sample Number : 113660
Project Name : Raytheon-Wayland	Lab File ID : 051R2401.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 11.35g	Date Received : 11/6/98
% Solid : 25.67	Date Extracted : 11/10/98
GPC Clean up :	Date Analyzed : 11/18/98
Sulfur Clean up :	Dilution Factor : 3

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	1,000	U
11104-28-2	Arochlor-1221	1,000	U
53469-21-9	Arochlor-1242	1,000	U
12672-29-6	Arochlor-1248	1,000	U
11097-69-1	Arochlor-1254	1,000	1800
11096-82-5	Arochlor-1260	1,000	9300

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Page 8 of 13



SW8468082

Client ID : T-7-3	Report No : 13959
Client Name : ERM	STL Sample Number : 113661
Project Name : Raytheon-Wayland	Lab File ID : 052R2401.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.65g	Date Received : 11/6/98
% Solid : 44.20	Date Extracted : 11/10/98
GPC Clean up :	Date Analyzed : 11/18/98
Sulfur Clean up :	Dilution Factor : 3

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	640	U
11104-28-2	Arochlor-1221	640	U
53469-21-9	Arochlor-1242	640	U
12672-29-6	Arochlor-1248	640	U
11097-69-1	Arochlor-1254	640	1800
11096-82-5	Arochlor-1260	640	6000

SW8468082

Client ID : T-7-4
 Client Name : ERM
 Project Name : Raytheon-Wayland
 Matrix : Soil
 Sample Wt/Vol : 10.04g
 % Solid : 23.37
 GPC Clean up :
 Sulfur Clean up :

Report No : 13959
 STL Sample Number : 113662
 Lab File ID : 053R2701.D
 Date Collected : 11/6/98
 Date Received : 11/6/98
 Date Extracted : 11/10/98
 Date Analyzed : 11/18/98
 Dilution Factor : 3

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	1,300	U
11104-28-2	Arochlor-1221	1,300	U
53469-21-9	Arochlor-1242	1,300	U
12672-29-6	Arochlor-1248	1,300	U
11097-69-1	Arochlor-1254	1,300	1700
11096-82-5	Arochlor-1260	1,300	11000

SW8468082

Client ID : T-7-5

Client Name : ERM

Project Name : Raytheon-Wayland

Matrix : Soil

Sample Wt/Vol : 10.13g

% Solid : 20.70

GPC Clean up :

Sulfur Clean up :

Report No : 13959

STL Sample Number : 113663

Lab File ID : 021R0601.D

Date Collected : 11/6/98

Date Received : 11/6/98

Date Extracted : 11/11/98

Date Analyzed : 11/16/98

Dilution Factor : 3

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	1,400	U
11104-28-2	Arochlor-1221	1,400	U
53469-21-9	Arochlor-1242	1,400	U
12672-29-6	Arochlor-1248	1,400	U
11097-69-1	Arochlor-1254	1,400	2600
11096-82-5	Arochlor-1260	1,400	15000

SW8468082

Client ID : T-10-2	Report No : 13959
Client Name : ERM	STL Sample Number : 113664
Project Name : Raytheon-Wayland	Lab File ID : 026R0801.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 10.32g	Date Received : 11/6/98
% Solid : 23.91	Date Extracted : 11/11/98
GPC Clean up :	Date Analyzed : 11/16/98
Sulfur Clean up :	Dilution Factor : 3

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	1,200	U
11104-28-2	Arochlor-1221	1,200	U
53469-21-9	Arochlor-1242	1,200	U
12672-29-6	Arochlor-1248	1,200	U
11097-69-1	Arochlor-1254	1,200	2400
11096-82-5	Arochlor-1260	1,200	13000

SW8468082

Client ID : T-10-4	Report No : 13959
Client Name : ERM	STL Sample Number : 113665
Project Name : Raytheon-Wayland	Lab File ID : 027R0801.D
Matrix : Soil	Date Collected : 11/6/98
Sample Wt/Vol : 9.96g	Date Received : 11/6/98
% Solid : 30.71	Date Extracted : 11/11/98
GPC Clean up :	Date Analyzed : 11/16/98
Sulfur Clean up :	Dilution Factor : 3

CAS NO	Compound	Quantitation Limit ug/kg dry	Concentration ug/kg dry
12674-11-2	Arochlor-1016	980	U
11104-28-2	Arochlor-1221	980	U
53469-21-9	Arochlor-1242	980	U
12672-29-6	Arochlor-1248	980	U
11097-69-1	Arochlor-1254	980	3500
11096-82-5	Arochlor-1260	980	1200

Severn Trent Laboratory

Chain of Custody Form



•53 Southampton Rd.
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707

•149 Rangeway Road
N. Billerica, MA 01852
(P) 978-667-1400
(F) 978-667-7871

13959

Client: <u>ERM</u>		Job#: <u>143.45</u>		Job# <u>13746</u> Quote# <u>13</u>		PO#							
Address: <u>399 Baylston St.</u> <u>Boston, MA 02116</u>		Project Manager: <u>John McTigue</u>		<div style="border: 1px solid black; padding: 5px;"> <p>Shaded area for specific use</p> <p>Analysis Requested</p> <p>Check analysis and specify method and analytes in comments section.</p> <p>For example: 500-series for drinking water 600-series for waste water 800-series for haz/solid waste</p> <p>Use comments section to further define.</p> </div>									
Phone: <u>617 267 8377</u> Fax: <u>617 267 6447</u>		Work ID: <u>Raytheon-Weyland</u>											
Requested Turn Around Time		Regulatory Classification - Please Specify		<div style="border: 1px solid black; padding: 5px;"> <p>Comments (Special Instructions)</p> <p><i>Please call John McTigue at 617 267 8377 as soon as possible after detection of PCBs in a sample at a concentration estimated to be greater than 2ppm</i></p> <p><i>Please extract these samples for PCBs + Hold - also hold metals + TOC pending results for other samples</i></p> </div>									
15 Business Day _____	Rush <u>5 DAY</u>	NPDES _____	Drinking Water _____					MCP Other <u>5-1</u>					
10 Business Day _____	Other _____	RCRA _____	MCP GW1 _____	Other _____									
<p>Sample Type Codes</p> <p>WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater RW-Raw Water GW-Groundwater PW-Public Water SO-Soil S-Solid-Soil SL-Sludge O-Oil A-Air Z-Other</p>				<p>Preservative</p> <p>Plastic(P) or Glass(G)</p> <p>Na2S2O3 HNO3 to pH <2 H2SO4 to pH <2 HCl to pH <2 NaOH to pH >12 Other: 4°C pH</p> <p>Volatiles Semivolatiles PCB & Peesticides Metals Cu, Pb, Cyanide TCLP Oil & Grease Total Pet. Hyd. (TPH) General Chemistry Bacteriological Other TOC</p>									
Sample ID Use one line per container For volatiles-one line/analysis		Sample Type	Date Time Collected	Grab	Comp.	# Containers							
*T-3-3			11/5/98 1:57pm				did not receive						
*T-3-2							did not receive						
T-3-1							did not receive						
*T-5-2							did not receive						
T-5-3							did not receive						
*T-5-4							did not receive						
Sampled by (print): <u>JOHN MCTIGUE</u>		Date: <u>11/5/98</u>		Signature: <u>[Signature]</u>									
Relinquished by: <u>[Signature]</u>		Date: <u>11/6/98</u>		Time: _____		Received by: <u>[Signature]</u>		Date: <u>11/6/98</u>		Time: _____		Cooler #: _____	
Relinquished by: _____		Date: _____		Time: _____		Received by: _____		Date: _____		Time: _____		Temp. @ receipt: _____	
Method of shipment:				Laboratory:				Preservation pH checked				By: _____ Date: _____	

NOV. 30 1998

SIL PH BILLERICH

12:37PM

NOV. 16. 1998

Temp @ receipt

Severn Trent Laboratory

Chain of Custody Form



1395 P5
13959

•53 Southampton Rd. Westfield, MA 01085 (P) 413-572-4000 (F) 413-572-3707
 •149 Rangeway Road N. Billerica, MA 01852 (P) 978-667-1400 (F) 978-667-7871

Client: ERM Job#: 143.45 Job#: Quote#: PO#:

Address: 391 Bayshore St. 6th Fl Boston MA 02116 Project Manager: J. McTigue

Phone: (617) 267-8597 Fax: -6497 Work ID:

Contact: John McTigue / Joe Fried

Requested Turn Around Time: 15 Business Day Rush 10 Business Day Other Hold

Regulatory Classification: Please Specify
 NPDES Drinking Water MCP Other
 RCRA MCP GW1 Other

Sample Type Codes:
 WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
 RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
 S-Solid Soil SL-Sludge O-Oil A-Air Z-Other

Sample ID Use one line per container For volatiles one line/analysis	Sample Type	Date Time Collected	Grab	Comp.	# Containers	Preservative									Volatiles	Semi-volatiles	PCB & Pesticides	Metals	Cyanide	TCLP	Oil & Grease	Total Pol. Hyd. (TPH)	General Chemistry	Bacteriological	Other IAC																
						Plastic(P) or Glass(G)	Na2S2O3	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Other	4-C	pH																											
6-1-3 / *T-6-3	S	11/6/98														X	X																								
6-1-4 / *T-6-4	S															X	X																								
7-1-1 / *T-7-1	S															X	X																								
7-1-2 / *T-7-2	S															X	X																								
7-1-3 / *T-7-3	S															X	X																								
7-1-4 / *T-7-4	S															X	X																								
7-1-5 / *T-7-5	S															X	X																								
8-1-2 / T-8-2	S															X	X																								
8-1-4 / T-8-4	S															X	X																								
9-1-2 / T-9-2	S															X	X																								

Sampled by (print): JOHN McTIGUE 11/6/98 Signature: [Signature]

Relinquished by: [Signature] Date: 11/6/98 Time: 5:05

Received by: [Signature] Date: 11/6/98 Time: 5:05

Method of shipment: Laboratory: Cooler #:

Temp. @ receipt: Preservation pH checked:

By: Date:

Shaded areas for office use
 Analysis Requested
 Check analysis and specify method and analytes in comments section.
 For example:
 500-series for drinking water
 600-series for waste water
 8000-series for haz/solid waste
 Use comments section to further define.

Comments (Special Instructions)
PCB Y081
EXTRACTION
ONLY - Hold
extract + Metals
(Cu, Cr, Pb) + TOC
- will select
Samples for analysis
based on results of
other sample set.
HOLD
Extract (PCB)
and
Metals (Cu, Cr, Pb)
+ TOC

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Chain of Custody Form



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 (F) 978-667-7871

13813-PS
 13959

P. 4/4
 NO. 976

STL MA BILLERICA

NOV. 15. 1998 12:38PM

Client: ERM Job#: 143.45 Job#: _____ Quote# _____ PO# _____

Address: 399 Baylston St., 6th Fl. Project Manager: J. McTigue

Boston, MA 02116 Work ID: _____

Phone: (617) 267-8777 Fax: -6447 Contact: Shirley McTigue + Joe Franco

Requested Turn Around Time: _____

Regulatory Classification - Please Specify

15 Business Day _____ Rush _____ NPDES _____ Drinking Water _____ MCP Other _____
 10 Business Day _____ Other Hold RCRA _____ MCP GW1 _____ Other _____

Sample Type Codes

WW-Wastewater SW-Surfacewater LW-Labwater
 RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
 S-Solid SL-Sludge O-Oil A-Air Z-Other

Preservative

Sample ID	Sample Type	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Na2S2O3	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Other	4°C	pH	Volatiles	Semivolatiles	PCB & Pesticides	Metals	Cyanide	TCLP	Oil & Grease	Total Pet. Hyd. (TPH)	General Chemistry	Bacteriological	Other
<u>9-1-4 / T-9-4</u>	<u>S</u>	<u>11/6/98 PM</u>	<u>X</u>	<u>X</u>													<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>	
<u>10-1-2 / T-10-2</u>	<u>S</u>																<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>	
<u>10-1-4 / T-10-4</u>	<u>S</u>																<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>	
<u>11-1-2 / T-11-2</u>	<u>S</u>																<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>	
<u>11-1-4 / T-11-4</u>	<u>S</u>																<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>	

Shaded areas for office use

Analysis Requested

Check analysis and specify method and analytes in comments section.

For example:

500-series for drinking water
 600-series for waste water
 800-series for haz/solid waste

Use comments section to further define.

Comments (Special Instructions)

PCB 8081 - Extraction ONLY - Hold
Extract for analysis
Hold Metals (Cu, Cr, Pb) + TOC
Will select samples for analysis based on results of other sample set.
PCB Extraction ONLY HOLD EXTRACT + SAMPLES (Metalist Joe)

Sampled by (print): JOHN McTIGUE Date: 11/6/98 AM Signature: [Signature]

Retinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: 11/6/98 Time: 11/6/98

Retinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Method of shipment: _____ Laboratory: _____

Cooler #: _____ Temp. @ receipt: _____ Preservation pH checked _____

By: _____ Date: _____