



STL

STL Seattle
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Tacoma, WA 98424

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TRANSMITTAL MEMORANDUM

DATE: August 4, 2004

TO:

IRST
P.O. Box 7427
Louisville, KY 40257-0427

PROJECT: Product

REPORT NUMBER: 122135

TOTAL NUMBER OF PAGES: _____

Enclosed are the test results for one sample received at STL Seattle on July 9, 2004.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

A handwritten signature in black ink that reads "Tom Coyner".

Tom Coyner
Project Manager

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STL Seattle

Sample Identification:

<u>Lab No.</u>	<u>Client ID</u>	<u>Date/Time Sampled</u>	<u>Matrix</u>
122135-1	CIAgent	07-09-04 12:30	solid

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STL Seattle**Client Name**
Project Name
Date Received**IRST**
Product
07-09-04**General Chemistry Parameters**

Parameter	Client Sample ID Lab ID	Date Analyzed	Units	Result	PQL
Total Halogens (TX)	EPA 9076	7-13-04	mg/kg	ND	84.9

STL Seattle**Client Name**
Project Name
Date Received**IRST**
Product
07-09-04**General Chemistry Parameters**

Parameter	Client Sample ID	Date Analyzed	Ci Agent	Result	PQL
	Lab ID		122135-01		
pH	NA	7-13-04	PH Units	5.8	0.2

PH Test method: The pH of STL distilled water is 5.8 and was measured using a Orion model 370 pH meter. 100 grams of the solid Ci Agent was added to 100 mls of distilled water and shaken for 30 minutes using a shaker table. The water was decanted and the pH was measured. There was no difference measured.

STL Seattle

Client Name	IRST
Client ID:	CIAGENT
Lab ID:	122135-01
Date Received:	7/9/04
Date Prepared:	7/15/04
Date Analyzed:	7/16/04
Dilution Factor	1
% Solids	99.85

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Cadmium	ND	0.488	
Lead	ND	0.976	

STL Seattle

Client Name	IRST
Client ID:	CIAGENT
Lab ID:	122135-01
Date Received:	7/9/04
Date Prepared:	7/15/04
Date Analyzed:	7/15/04
Dilution Factor	1
% Solids	99.85

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Mercury	ND	0.0183	

STL Seattle**QUALITY CONTROL REPORT**

Client Sample ID: Batch QC
Lab ID: 122127-1
QC Batch Number: TX 1329

Method Blank

Parameter	Result (mg/kg)	PQL
Total Halogens (TX)	ND	20.3

Duplicate

Parameter	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD (%)	Flag
Total Halogens (TX)	37.8	38.3	1.31	

STL Seattle

Lab ID:	Method Blank - SP169
Date Received:	-
Date Prepared:	7/15/2004
Date Analyzed:	7/16/2004
Dilution Factor:	1

Metals by ICP - USEPA Method 6010

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Cadmium	ND	0.5	
Lead	ND	1	

STL Seattle

Matrix Spike Report

Client Sample ID:	SILTY SAND-WR
Lab ID:	122190-03
Date Prepared:	7/15/2004
Date Analyzed:	7/16/2004
QC Batch ID:	SP169

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Cadmium	0	11	10.7	97	
Lead	2.5	110	112	100	

STL Seattle

Duplicate Report

Client Sample ID:	SILTY SAND-WR
Lab ID:	122190-03
Date Prepared:	7/15/2004
Date Analyzed:	7/16/2004
QC Batch ID:	SP169

Metals by ICP - USEPA Method 8010

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Cadmium	0	0	NC	
Lead	2.5	2.1	17.0	

STL Seattle

Lab ID:	Method Blank - ZS047
Date Received:	-
Date Prepared:	7/15/04
Date Analyzed:	7/15/04
Dilution Factor:	1

Mercury by CVAA - USEPA Method 7471

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Mercury	ND	0.02	

STL Seattle

Matrix Spike Report

Client Sample ID:
Lab ID:
Date Prepared:
Date Analyzed:
QC Batch ID:

SILTY SAND-WR
122190-03
7/15/04
7/15/04
ZS047

Mercury by CVAA - USEPA Method 7471

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Mercury	0.0248	0.214	0.259	109	

STL Seattle

Duplicate Report

Client Sample ID:	SILTY SAND-WR
Lab ID:	122190-03
Date Prepared:	7/15/04
Date Analyzed:	7/15/04
QC Batch ID:	ZS047

Mercury by CVAA - USEPA Method 7471

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Mercury	0.025	0.029	-15.0	

