



REMOVAL SUPPORT TEAM
EPA CONTRACT 68-W-00-113

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RST-02-F-01408

TRANSMITTAL MEMO

To: Michael Brescio, OSC
Response and Prevention Branch, U.S. EPA Region II

From: Smita Sumbaly, Data Reviewer
RST Region II

Subject: Luster-Coate Metallizing Corporation Site
Data Validation Assessment

Date: March 16, 2004

The purpose of this memo is to transmit the following information:

- Data validation results for the following parameters:

TCLP VOA/Semi-VOA	02 samples
TCLP Metals	02 samples
RCRA Characteristics	05 samples
- Matrices and Number of Samples

Waste/Drum	05 samples
------------	------------
- Sampling date: November 5, 2003

The final data assessment narrative and original analytical data package are attached.

cc: RST PM: Charles Metzger
RST SITE FILE TDD #: 02-03-10-0023
ANALYTICAL TDD #: 02-03-11-0006
PCS# 4192



U.S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: March 16, 2004

TO: Michael Brescio, OSC
USEPA Region II

FROM: Smita Sumbaly
RST Data Review Team

SUBJECT: QA/QC Compliance Review Summary

As requested quality control and performance measures for the data packages noted have been examined and compared to EPA standards for compliance. Measures for the following general areas were evaluated as applicable:

Data Completeness	Blanks
Spectra Matching Quality	DFTPP and BFB Tuning
Surrogate Spikes	Chromatography
Matrix Spikes/Duplicates	Holding Times
Calibration	Compound ID (HSL, TIC)

Any statistical measures used to support the following conclusions are attached so that the review may be reviewed by others.

Summary of Results

	I <u>TCLP</u> <u>VOA/Semi-VOA</u>	II <u>TCLP</u> <u>Metals</u>	III <u>RCRA</u> <u>Characteristics</u>
Acceptable as Submitted	_____	_____	_____
Acceptable with Comments	<u> X </u>	<u> X </u>	<u> X </u>
<u>Unacceptable, Action Pending</u>	_____	_____	_____
Unacceptable	_____	_____	_____

Data Reviewed by: *Smita Sumbaly* Date: 3/16/04

Approved By: *Jennifer Sy* Date: 3/17/04

Area Code/Phone No.: (732) 225-6116

NARRATIVE

CASE No. 4192

SITE NAME: Luster-Coate Metallizing Corporation Site
Churchville, Monroe County, New York

Laboratory Name: Severn Trent Laboratories, 10 Hazelwood Drive, Amherst, New York

INTRODUCTION:

The laboratory's portion of this Case consisted of 5 waste/drum samples collected on November 5, 2003.

The laboratory reported No the problem(s) with the receipt of these samples.

The laboratory reported No problems with the analyses of RCRA Characteristics & TCLP VOA, BNA & Metals- Inorganic/Organic parameters.

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the following forms.

Appropriate Form I's and Chain of Custody have been copied from the original data package and appended to the data assessment narrative for reference.

I. Volatile (VOAs)

<u>Y</u> Holding Time	<u>NA</u> MS/MSD
<u>Y</u> GC/MS Tuning	<u>Y</u> Compound ID (HSL, TIC)
<u>Y</u> Calibration, Initial	<u>Y</u> Spectra Quality
<u>Y</u> Calibration, Continuing	<u>Y</u> Standards
<u>Y</u> Blank	<u>Y</u> Chromatography
<u>Y</u> Surrogate Recovery	<u>Y</u> Data Completeness
<u>NA</u> Laboratory Control Sample	

Comments:

1. Refer to Data Assessment Narrative.

II. Base Neutral/Acids (BNAs)

<u>Y</u> Holding Time	<u>NA</u> MS/MSD
<u>Y</u> GC/MS Tuning	<u>Y</u> Compound ID (HSL, TIC)
<u>Y</u> Calibration, Initial	<u>Y</u> Spectra Quality
<u>Y</u> Calibration, Continuing	<u>Y</u> Standards
<u>Y</u> Blank	<u>Y</u> Chromatography
<u>Y</u> Surrogate Recovery	<u>Y</u> Data Completeness

Comments:

1. Refer to Data Assessment Narrative.

IV. Inorganic:

<u>Y</u> Data Summary/Tabulated Results	<u>Y</u> Initial and Continuing Calibration
<u>Y</u> Blanks	<u>Y</u> ICP Interference Check
<u>Y</u> Spike Sample Recovery	<u>Y</u> Duplicates
<u>Y</u> Detection Limits	<u>NA</u> Standard Addition Results
<u>Y</u> ICP Serial Dilutions	<u>Y</u> Holding Times
<u>Y</u> ICP Interelement Correction Factors	<u>Y</u> ICP Linear Ranges
<u>Y</u> Chain of Custody	<u>Y</u> Raw Data
<u>Y</u> Quantitation, Conversions, Dilutions, etc.	

Comments:

1. Refer to Data Assessment Narrative.

REGION II START DATA ASSESSMENT REPORT

RFP Project #: 4192

SDG #: A03-A891

LAB: Severn Trent Laboratories

LAB Code: STL

SITE: Luster-Coate Metallizing Corporation Site

Analysis: TCLP VOA, BNA, Metals and RCRA Characteristics -Inorganic/Organic Parameters

Contractor: RST

Reviewer: Smita Sumbaly

Matrix::

Waste/Drum: 05

CERCLIS ID #:

The current Functional Guidelines for evaluating organic data have been applied.

All data are valid and acceptable except those analytes which have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detects), "R" (unusable), or "JN" (presumptive evidence for the presence of the material at an estimated value). All action is detailed on the attached sheets.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Analytical data qualified as "JN" or "R" may not be used to demonstrate compliance with Toxicity Characteristic or Land Ban Regulations.

Reviewer's
Signature:



Date: 3/16/2004

Verified By: _____

Date: / /2004

On November 05, 2003, USEPA Region II Removal Support team (RST) personnel collected five waste/drum samples for Toxic Compound Leaching Procedure (TCLP) organic/inorganic analyses and RCRA characteristics from the Luster-Coate Metallizing Corporation Site, Churchville, Monroe County, New York. Within twenty-four hours of collection, samples were hand delivered to Severn Trent Laboratories, 10 Hazelwood Drive, Amherst, New York. The laboratory verified that samples were received intact and properly custody sealed (sample cooler temperature recorded at 4.6°C).

Toxic Compound Leaching Procedure organic/inorganic analyses were performed following the SW 846 Method Nos. 1311 (TCLP extraction including zero headspace), 8260B (volatiles), 8270C (semi-volatiles), 6010B (metals) and 7470A (mercury). RCRA Characteristics were analyzed according to EPA SW-846, Chapter 7, Method No. 9045 for corrosivity; Method No. 1010 for Ignitability; Method No. 9012 for reactive cyanide and Method No. 9034 for reactive sulfide.

Client identification (ID) and laboratory ID numbers:

<u>Client ID No.</u>	<u>Laboratory ID No.</u>	<u>Matrix</u>	<u>Analysis</u>
D0001	A3A89101	Drum waste	RCRA Characteristics
D0004	A3A89102	Drum waste	RCRA Characteristics
D0012	A3A89104	Drum waste	TCLP VOA, Semi-VOA, Metals and RCRA Characteristics
D0013	A3A89103	Drum waste	RCRA Characteristics
VAT	A3A89105	Vat waste	TCLP VOA, Semi-VOA, Metals and RCRA Characteristics

All samples were submitted for QA-1 analysis. No field duplicate and MS/MSD samples were collected. All samples were analyzed within the holding time. Since the data package was submitted for QA-1, no validation is required for this data package.

The results presented in the data package are acceptable as reported.

OTHER ANALYTES WORK TABLE

PROJECT: LUSTER COATE METALLIZING CORPORATION SITE

SAMPLING DATE: NOVEMBER 05, 2003

SAMPLE #/CONCENTRATION (ug/L)

TCLP METALS	MATRIX: Client ID# Lab ID #	Water D012 AD358638	Water VAT AD358626			
Percent Solid		NA	NA			
Dilution Factor		1.0	1.0			
TCLP METALS	Regulatory Level - ug/l					
Arsenic	5000	U	U			
Barium	100,000	247	56.7			
Cadmium	1000	122	U			
Chromium	5000	U	4.5			
Lead	5000	U	U			
Mercury	200	16.2	U			
Selenium	1000	U	U			
Silver	5000	U	U			

RCRA CHARACTERISTICS	MATRIX: Client ID# Lab ID #	Soil D001 A3A89101	Soil D004 A3A89102	Soil D012 A3A89104	Soil D013 A3A89103	Soil VAT A3A89105
Percent Solid		NA	NA	NA	NA	NA
Dilution Factor		1.0	1.0	1.0	1.0	1.0
RCRA Characteristics						
Corrosivity as pH	1-14 pH units	4.65	** 0	3.83	12.4	7.41
Reactive Cyanide	10 mg/kg	U	U	U	U	U
Ignitability	Deg.F	*	>200	*	>200	>200
Reactive Sulfide	10 mg/kg	U	U	U	U	U

* Flashpoint - Samples D001 and D012 were screened as "positive" at ambient temperature (approximately 21 degrees Celcius).

** pH - Sample D004 for Leachable pH was analyzed in duplicate and confirmed with full range pH strips due to a irregularly low pH.

ND - Not Detected

U - non-detected compound

B - detected in the corresponding method blank

J - estimated value

R - rejected compound

OTHER ANALYTES WORK TABLE

PROJECT: LUSTER COATE METALLIZING CORPORATION SITE

SAMPLING DATE: NOVEMBER 05, 2003

SAMPLE #/CONCENTRATION (mg/L)

TCLP Compounds	MATRIX: Client ID# Lab ID #	Soil D012 A3A89104 NA	Soil VAT A3A89105 NA		
Percent Solid					
TCLP Volatiles	Regulatory Level				
Dilution Factor/Sample wt/volume		25000	50		
Benzene	0.5	U	U		
2-Butanone	200	4900 J	0.52		
Carbon Tetrachloride	0.5	U	U		
Chlorobenzene	100	U	U		
Chloroform	6.0	U	U		
1,4-Dichlorobenzene	7.5	U	U		
1,2-Dichloroethane	0.5	U	U		
1,1-Dichloroethene	0.7	U	U		
Tetrachloroethene	0.7	U	U		
Trichloroethene	0.5	U	U		
Vinyl Chloride	0.2	U	U		
TCLP Semi-Volatiles					
Dilution Factor/Sample wt/volume		20.0	20.0		
1,4-Dichlorobenzene	7.5	U	U		
2,4-Dinitrotoluene	0.130	U	U		
Hexachlorobenzene	0.130	U	U		
Hexachlorobutadiene	0.5	U	U		
2-Methylphenol	200	U	U		
3-Methylphenol	200	U	U		
4-Methylphenol	200	U	U		
Nitrobenzene	2.0	U	U		
Pentachlorophenol	100	U	U		
Pyridine	5.0	590	U		
2,4,5-Trichlorophenol	400	U	U		
2,4,6-Trichlorophenol	2.0	U	U		

U - non-detected compound

B - detected in the corresponding method blank

J - estimated value

JN - presumptive evidence of a compound
at an estimated value

R - rejected compound

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
		<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A3A89101	D001	11/05/2003	14:45	11/05/2003	17:40
A3A89102	D004	11/05/2003	15:00	11/05/2003	17:40
A3A89104	D012	11/05/2003	15:30	11/05/2003	17:40
A3A89103	D013	11/05/2003	15:15	11/05/2003	17:40
A3A89105	VAT	11/05/2003	15:45	11/05/2003	17:40

METHODS SUMMARY

Job#: A03-A891STL Project#: NY9A8461

Site Name:

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8260 - TCLP VOLATILES	SW8463 8260/SML
METHOD 8270 - TCLP BASE NEUTRAL/ACID EXTRACTABLES	SW8463 8270
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Lead - Total	SW8463 6010
Mercury - Total	SW8463 7470
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Flashpoint	SW8463 1010
H2S Released From Waste	SW8463 SECT7.3
HCN Released From Waste	SW8463 SECT7.3
Leachable pH	SW8463 9045
Toxicity Characteristic Leaching Procedure	SW8463 1311

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A03-A891

STL Project#: NY9A8461

Site Name:

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A03-A891

Sample Cooler(s) were received at the following temperature(s); 4.6 °C
All samples were received in good condition.

GC/MS Volatile Data

Due to the software limitations, the dilution for D012 is listed as 25000 with an injection volume/weight of 0.5ml instead of the actual dilution of 250000 and an injection/weight of 5.0ml to correctly calculate the final concentration.

GC/MS Semivolatile Data

The surrogate compounds 2,4,6-Tribromophenol, 2-Fluorophenol, and Nitrobenzene-D5 were diluted out sample D012.

The surrogate compound 2-Fluorophenol was diluted out of sample VAT.

Metals Data

The analyte Barium was detected in the Method Blank at a level above the project established reporting limit. However, all samples had levels of Barium greater than ten times that of the Method Blank value, therefore, no corrective action was necessary.

Wet Chemistry Data

Sample D004 for Leachable pH was analyzed in duplicate and confirmed with full range pH strips due to a irregularly low pH.

The U.S. EPA has determined the applicability of the Reactive Cyanide and Sulfide tests to be limited in part due to the poor recoveries obtainable with their procedures. The April 1998 memorandum entitled 'Withdrawal of Cyanide and Sulfide Reactivity Guidance' details the justification for this determination. Therefore, in conjunction with these test results, the U.S. EPA recommends the data user apply process or waste knowledge to determine if their waste exhibits the characteristic of reactivity.

Samples D001 and D012 were pre-screened for Flashpoint. The screening results for both samples indicated that Method 1010 (Pensky-Martens Closed Cup) is not appropriate for these matrices. Both samples were screened as "positive" at ambient temperature (approximately 21 degrees Celcius).

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
D012	A3A89104	8260/5ML	25000.00	004
D012	A3A89104	8270	20.00	007
VAT	A3A89105	8260/5ML	50.00	003
VAT	A3A89105	8270	20.00	007

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected at or above the reporting limit.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- ' Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected at or above the reporting limit.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- K Indicates the post digestion spike recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- M Indicates duplicate injection results exceeded quality control limits.
- W Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

METHOD 8260 - TCLP VOLATILES
ANALYSIS DATA SHEET

10/779

Client No.

D012

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A3A89104

Sample wt/vol: 0.50 (g/mL) ML

Lab File ID: F3787.RR

Level: (low/med) LOW

Date Samp/Recv: 11/05/2003 11/05/2003

Moisture: not dec. 100.0 Heated Purge: N

Date Analyzed: 11/18/2003

GC Column: DB-624 ID: 0.20 (mm)

Dilution Factor: 25000.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	MG/L	Q
71-43-2-----	Benzene		1200	U
78-93-3-----	2-Butanone		4900	J
56-23-5-----	Carbon Tetrachloride		1200	U
108-90-7-----	Chlorobenzene		1200	U
67-66-3-----	Chloroform		1200	U
107-06-2-----	1,2-Dichloroethane		1200	U
75-35-4-----	1,1-Dichloroethene		1200	U
127-18-4-----	Tetrachloroethene		1200	U
79-01-6-----	Trichloroethene		1200	U
75-01-4-----	Vinyl chloride		1200	U

VAT

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A3A89105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F3789.RR

Level: (low/med) LOW Date Samp/Recv: 11/05/2003 11/05/2003

Moisture: not dec. 100.0 Heated Purge: N Date Analyzed: 11/18/2003

Column: DB-624 ID: 0.20 (mm) Dilution Factor: 50.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	MG/L	Q
71-43-2-----	Benzene		0.25	U
78-93-3-----	2-Butanone		0.52	J
56-23-5-----	Carbon Tetrachloride		0.25	U
108-90-7-----	Chlorobenzene		0.25	U
67-66-3-----	Chloroform		0.25	U
107-06-2-----	1,2-Dichloroethane		0.25	U
75-35-4-----	1,1-Dichloroethene		0.25	U
127-18-4-----	Tetrachloroethene		0.25	U
79-01-6-----	Trichloroethene		0.25	U
75-01-4-----	Vinyl chloride		0.25	U

D012

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A3A89104

Sample wt/vol: 1.09 (g/mL) ML Lab File ID: W53501.RR

Level: (low/med) LOW Date Samp/Recv: 11/05/2003 11/05/2003

Moisture: 100.0 decanted: (Y/N) N Date Extracted: 11/11/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/12/2003

Injection Volume: 1.00 (uL) Dilution Factor: 20.00

PC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	MG/L	Q
106-46-7-----	1,4-Dichlorobenzene		180	U
121-14-2-----	2,4-Dinitrotoluene		180	U
118-74-1-----	Hexachlorobenzene		180	U
87-68-3-----	Hexachlorobutadiene		180	U
67-72-1-----	Hexachloroethane		180	U
108-39-4-----	3-Methylphenol		180	U
95-48-7-----	2-Methylphenol		180	U
106-44-5-----	4-Methylphenol		180	U
98-95-3-----	Nitrobenzene		180	U
87-86-5-----	Pentachlorophenol		920	U
110-86-1-----	Pyridine		590	
95-95-4-----	2,4,5-Trichlorophenol		180	U
88-06-2-----	2,4,6-Trichlorophenol		180	U

VAT

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A3A89105

Sample wt/vol: 250.00 (g/mL) ML

Lab File ID: V00808.RR

Level: (low/med) LOW

Date Samp/Recv: 11/05/2003 11/05/2003

Moisture: 100.0 decanted: (Y/N) N

Date Extracted: 11/11/2003

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/17/2003

Injection Volume: 1.00 (uL)

Dilution Factor: 20.00

PC Cleanup: (Y/N) N pH: 8.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	MG/L	Q
106-46-7-----	1,4-Dichlorobenzene		0.80	U
121-14-2-----	2,4-Dinitrotoluene		0.80	U
118-74-1-----	Hexachlorobenzene		0.80	U
87-68-3-----	Hexachlorobutadiene		0.80	U
67-72-1-----	Hexachloroethane		0.80	U
108-39-4-----	3-Methylphenol		0.80	U
95-48-7-----	2-Methylphenol		0.80	U
106-44-5-----	4-Methylphenol		0.80	U
98-95-3-----	Nitrobenzene		0.80	U
87-86-5-----	Pentachlorophenol		4.0	U
110-86-1-----	Pyridine		2.0	U
95-95-4-----	2,4,5-Trichlorophenol		0.80	U
88-06-2-----	2,4,6-Trichlorophenol		0.80	U

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D012

Contract: NY99-220

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: A03-A891

Matrix (soil/water): WATER

Lab Sample ID: AD358638

Level (low/med): LOW

Date Received: 11/5/2003

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	865	U		P
7440-39-3	Barium	247			P
7440-43-9	Cadmium	122			P
7440-47-3	Chromium	346	U		P
7439-92-1	Lead	519	U		P
7782-49-2	Selenium	1300	U		P
7440-22-4	Silver	260	U		P
7439-97-6	Mercury	16.2		N*	CV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Weston Solutions, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

VAT

Contract: NY99-220

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: A03-A891

Matrix (soil/water): WATER

Lab Sample ID: AD358626

Level (low/med): LOW

Date Received: 11/5/2003

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	56.7			P
7440-43-9	Cadmium	1.0	U		P
7440-47-3	Chromium	4.5			P
7439-92-1	Lead	6.0	U		P
7782-49-2	Selenium	15.0	U		P
7440-22-4	Silver	3.0	U		P
7439-97-6	Mercury	0.200	U	N*	CV

Color Before: BROWN

Clarity Before: CLOUDY

Texture: NONE

Color After: YELLOW

Clarity After: CLEAR

Artifacts: _____

Comments: _____

D001

Job Name: SIL Buffalo

Contract: _____

Job Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOIL

Lab Sample ID: A3A89101

Solids: 0.0

Date Samp/Recv: 11/05/2003 11/05/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
MS Released From Waste	MG/KG	10	U			SECT7.3	11/14/2003
CN Released From Waste	MG/KG	10	U			SECT7.3	11/14/2003
Leachable pH	S.U.	4.65				9045	11/11/2003

Comments:

D004

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOIL

Lab Sample ID: A3A89102

% Solids: 0.0

Date Samp/Recv: 11/05/2003 11/05/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyze Date
Flashpoint	°F	>200				1010	11/14/2003
H2S Released From Waste	MG/KG	10	U			SECT7.3	11/14/2003
HCN Released From Waste	MG/KG	10	U			SECT7.3	11/14/2003
Leachable pH	S.U.	0				9045	11/11/2003

Comments:

Wet Chemistry Analysis

Client Sample No. **18779**

D012

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOIL

Lab Sample ID: A3A89104

Solids: 0.0

Date Samp/Recv: 11/05/2003 11/05/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
H ₂ S Released From Waste	MG/KG	10	U			SECT7.3	11/14/2003
H ₂ CN Released From Waste	MG/KG	10	U			SECT7.3	11/14/2003
Leachable pH	S.U.	3.83				9045	11/11/2003

Comments:

D013

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOIL

Lab Sample ID: A3A89103

Solids: 0.0

Date Samp/Recv: 11/05/2003 11/05/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Flashpoint	°F	>200				1010	11/14/2003
H2S Released From Waste	MG/KG	10	U			SECT7.3	11/14/2003
HCN Released From Waste	MG/KG	10	U			SECT7.3	11/14/2003
Leachable pH	S.U.	12.4				9045	11/11/2003

Comments:

VAT

Job Name: STL Buffalo

Contract: _____

Job Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOIL

Lab Sample ID: A3A89105

Solids: 0.0

Date Samp/Recv: 11/05/2003 11/05/2003

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Flashpoint	°F	>200				1010	11/14/2003
HS Released From Waste	MG/KG	10	U			SECT7.3	11/14/2003
KN Released From Waste	MG/KG	10	U			SECT7.3	11/14/2003
leachable pH	S.U.	7.41				9045	11/11/2003

Comments:
