Volume III

Closure Report Former Unisys Facility, Great Neck, New York

Appendix G

Chain of Custody and Laboratory
Data Package for September 2001
Soil Sampling Round

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. ______

CHAIN-OF-CUSTODY RECORD

Project Number/Name: N4001227.0017.00002

Project Location: LAKE SUCCESS NY.

Laboratory: SEVERN-TRENT SHELTON

Project Manager: BILL HOLUBOWITCH

Sampler(s)/Affiliation: G. WILLIAMS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	8oz JAR Cu Zn	8oz JAR Zn	8 oz JAR As Hg Zn	500ml PLASTIC Cu As Hg Zn (HNO3)			Remarks	Total
6m-21J(5')	S	9-25-01		1							1
6m-21J(10')				1							1
6m-21K(5')				1							1
6m-21K(10')				1							1
6m-15J					1						1
6m-15K					1						1
6m-15L					1						1
6m-15M					1						1
6m-15N					1						1
6m-26AM					1						1
6m-26AN					1						1
6m-26A-O					1						1
BACKGROUND					1						1
6m fpm-8K						1					1
6m-fpm-8L						1					1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 15

Relinquished by: [illegible signature]	Organization: ARCADIS G&M	Date 9/25/01	Time 5:15	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: REPORT TO BILL HOLUBOWITCH

Delivery Method: ☐ In Person ☒ Common Carrier FED EX (SPECIFY) ☐ Lab Courier ☐ Other ______ (SPECIFY)

AG 05-0597

ARCAL GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. ______

CHAIN-OF-CUSTODY RECORD

Page ___ of ___

Project Number/Name NY00 1227.0017 00002

Project Location Lake Success NY

Laboratory Severn Trent Shelton

Project Manager Bill Hollubowitch

Sampler(s)/Affiliation G. Williams

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: 8 oz Jar As Hg Zn (ws)						Remarks	Total
6m-fPn 19X	S	9-25-01		1							1
6m-fPn 19Y	S			1							1
FB 9-25-01	L			1							1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 3

Relinquished by: [illegible signature]	Organization: Arcadis G&M	Date 9/25/01	Time 5:15	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks: Report to Bill Hollubowitch

Delivery Method: ☐ In Person ☑ Common Carrier FedEx (specify) ☐ Lab Courier ☐ Other ______

SEVERN TRENT SERVICES

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

Tel: 203 929 8140
Fax: 203 929 8142
www.stl-inc.com

October 08, 2001

Mr. Bill Holubowich
ARCADIS/GERAGHTY & MILLER
88 Duryea Road
Melville, NY 11747

Dear Mr. Holubowich :

Please find enclosed the analytical results of 18 sample(s) received at our laboratory on September 26, 2001. This report contains sections addressing the following information at a minimum:

- sample summary
- analytical methodology
- state certifications
- definition of data qualifiers and terminology
- analytical results
- chain-of-custody

STL Report #7001-2520A	Purchase Order #NY001227.0017.00002
Project ID: LOCKHEED MARTIN RCRA SOIL	

Copies of this analytical report and supporting data are maintained in our files for a minimum of five years unless special arrangements have been made. Unless specifically indicated, all analytical testing was performed at this laboratory location and no portion of the testing was subcontracted.

We appreciate your selection of our services and welcome any questions or suggestions you may have relative to this report. Please contact your customer service representative at (203) 929-8140 for any additional information. Thank you for utilizing our services; we hope you will consider us for your future analytical needs.

I have reviewed and approved the enclosed data for final release.

Very truly yours,

Jeffrey C. Curran
Laboratory Manager

JCC

This report contains 97 pages.

7001-2520A
ARCADIS GERAGHTY & MILLER

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Metals – ICAP metals were determined using a JA61E trace ICAP following guidance provided in SW846 according to methods 3010A, 3050B/6010B.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

TABLE AS-1.0
7001-2520A
ARCADIS/GERAGHTY & MILLER
MISCELLANEOUS ATOMIC SPECTROSCOPY

0002

Aqueous

All values are ug/L.

Client Sample I.D.	FB092501			
Lab Sample I.D.	012520A-18			
Arsenic	4.4UJ			
Copper	NR			
Mercury	0.10U			
Zinc	8.2B			

See Appendix for qualifier definitions

10/1/10

TABLE AS-1.1
7001-2520A
ARCADIS/GERAGHTY & MILLER
MISCELLANEOUS ATOMIC SPECTROSCOPY

Soil

All values are mg/Kg dry weight basis.

Client Sample I.D.	GM-21J(5')	GM-21J(10')	GM-21K(5')	GM-21K(10')
Lab Sample I.D.	012520A-01	012520A-02	012520A-03	012520A-04
Arsenic	NR	NR	NR	NR
Copper 50	186	82.0	14.1	7.7
Mercury	NR	NR	NR	NR
Zinc 55.7	64.0	51.4	40.0	21.8

See Appendix for qualifier definitions

Soil

TABLE AS-1.2
7001-2520A
ARCADIS/GERAGHTY & MILLER
MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are mg/Kg dry weight basis.

Client Sample I.D.	GM-15J	GM-15K	GM-15L	GM-15M
Lab Sample I.D.	012520A-05	012520A-06	012520A-07	012520A-08
Arsenic	NR	NR	NR	NR
Copper	NR	NR	NR	NR
Mercury	NR	NR	NR	NR
Zinc 55.7	230.	78.0	105	158.

See Appendix for qualifier definitions

Soil

TABLE AS-1.3
7001-2520A
ARCADIS/GERAGHTY & MILLER
MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are mg/Kg dry weight basis.

Client Sample I.D.	GM-15N	GM-26AM	GM-26AN	GM-26A-O
Lab Sample I.D.	012520A-09	012520A-10	012520A-11	012520A-12
Arsenic	NR	NR	NR	NR
Copper	NR	NR	NR	NR
Mercury	NR	NR	NR	NR
Zinc	40.8	44.6	25.4	212.

See Appendix for qualifier definitions

Soil

TABLE AS-1.4
7001-2520A
ARCADIS/GERAGHTY & MILLER
MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are mg/Kg dry weight basis.

Client Sample I.D.	BACKGROUND	GM-FPM-8K	GM-FPM-8L	GM-FPM 19X
Lab Sample I.D.	012520A-13	012520A-14	012520A-15	012520A-16
Arsenic	NR	4.8	7.9	112.
Copper	NR	NR	NR	NR
Mercury	NR	0.15	0.58	0.74
Zinc	51.0	43.0	308.	98.4

See Appendix for qualifier definitions

Soil

TABLE AS-1.5
7001-2520A
ARCADIS/GERAGHTY & MILLER
MISCELLANEOUS ATOMIC SPECTROSCOPY

All values are mg/Kg dry weight basis.

Client Sample I.D.	GM-FPM 19Y			
Lab Sample I.D.	012520A-17			
Arsenic	11.6			
Copper	NR			
Mercury	0.58			
Zinc	122.			

See Appendix for qualifier definitions

SEVERN TRENT SERVICES

STL Connecticut

INORGANICS APPENDIX

C – Concentration qualifiers

U – Indicates analyte was not detected at method reporting limit.

B- Indicates analyte result between IDL and contract required detection limit (CRDL)

Q – QC qualifiers

E – Reported value is estimated because of the presence of interference

M – Duplicate injection precision not met

N – Spiked sample recovery not within control limits

S – The reported value was determined by the method of standard additions (MSA)

W – Post-digest spike recovery furnace analysis was out of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance

* - Duplicate analysis not within control limit

+ - Correlation coefficient for MSA is less than 0.995

M – Method codes

P – ICP

A – Flame AA

F – Furnace AA

CV – Cold vapor AA (manual)

C – Cyanide

NR – Not required

NC – Not calculated as per protocols

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut
Certification Summary (as of February 2001)

State	Responsible Agency	Certification	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	Chemistry...Non-Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Washington	Department of Ecology	Wastewater/Hazardous Waste	C231
Wisconsin	Department of Natural Resources	Wastewater	998355710

7001-2520A
ARCADIS/GERAGHTY & MILLER
SAMPLE SUMMARY

CLIENT ID	LAB ID	MATRIX	DATE COLLECTED	DATE RECEIVED
GM-21J(5')	012520A-01	SOIL	09/25/01	09/26/01
GM-21J(10')	012520A-02	SOIL	09/25/01	09/26/01
GM-21K(5')	012520A-03	SOIL	09/25/01	09/26/01
GM-21K(10')	012520A-04	SOIL	09/25/01	09/26/01
GM-15J	012520A-05	SOIL	09/25/01	09/26/01
GM-15K	012520A-06	SOIL	09/25/01	09/26/01
GM-15L	012520A-07	SOIL	09/25/01	09/26/01
GM-15M	012520A-08	SOIL	09/25/01	09/26/01
GM-15N	012520A-09	SOIL	09/25/01	09/26/01
GM-26AM	012520A-10	SOIL	09/25/01	09/26/01
GM-26AN	012520A-11	SOIL	09/25/01	09/26/01
GM-26A-O	012520A-12	SOIL	09/25/01	09/26/01
BA GROUND	012520A-13	SOIL	09/25/01	09/26/01
GM-FPM-8K	012520A-14	SOIL	09/25/01	09/26/01
GM-FPM-8L	012520A-15	SOIL	09/25/01	09/26/01
GM-FPM 19X	012520A-16	SOIL	09/25/01	09/26/01
GM-FPM 19Y	012520A-17	SOIL	09/25/01	09/26/01
FB092501	012520A-18	WATER	09/25/01	09/26/01

STL CT ANALYTICAL SUMMARY

Client ID: BACKGROUND, FB092501, GM-15J, GM-15K, GM-15L, GM-15M, GM-15N, GM-21J(10'), GM-21J(5'), GM-21K(10'), GM-21K(5'), GM-26A-O, GM-26AM, GM-26AN, GM-FPM 19X, GM-FPM 19Y, GM-FPM-8K, GM-FPM-8L

Job Number: 7001-2520A

Date: 10/9/101

Qty	Matrix	Analysis	Description
1	None	DISK	Diskette Prep.
1	None	DISK-2	Diskette Prep.
	SOIL	AS-NSW846	Arsenic
	SOIL	CU-NSW846	Copper
4	SOIL	HG-NSW846	Mercury
17	SOIL	MET-PREP-ICAP	Metals ICAP Prep
17	SOIL	ZN-NSW846	Zinc
1	WATER	AS-NSW846	Arsenic
1	WATER	HG-NSW846	Mercury
1	WATER	MET-PREP-ICAP	Metals ICAP Prep
1	WATER	ZN-NSW846	Zinc

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. 2001-2526A

CHAIN-OF-CUSTODY RECORD

Page ___ of ___

Project Number/Name NY001227.0017.00002

Project Location LAKE SUCCESS NY

Laboratory SEVERN-TRENT SHELTON

Project Manager BILL HOLUBOWICH

Sampler(s)/Affiliation G. WILLIAMS

ANALYSIS / METHOD / SIZE

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	8oz JAR Cu Zn	8oz JAR Zn	8 oz JAR As Hg Zn	500ml PLASTIC Cu As Hg Zn (HNO3)			Remarks	Total
GM-21J(5')	S	9-25-01	01	1							1
GM-21J(10')			02	1							1
GM-21K(5')			03	1							1
GM-21K(10')			04	1							1
GM-15J			05		1						1
GM-15K			06		1						1
GM-15L			07		1						1
GM-15M			08		1						1
GM-15N			09		1					0.6°C	1
GM-26AM			10		1					"PA… HAD SCREEN"	1
GM-26AN			11		1						1
GM-26A-O			12		1						1
BACKGROUND			13		1						1
GM-FPM-8K			14			1					1
GM-FPM-8L			15			1					1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 15

Relinquished by: [signature]	Organization: ARCADIS GTM	Date 9/25/01	Time 5:15	Seal Intact?
Received by: Allen C. Yurrorosh	Organization: STL-CT	Date 09/26/01	Time 09:20	(Yes) No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: REPORT TO BILL HOLUBOWICH

Delivery Method: ☐ In Person ☒ Common Carrier FED EX (SPECIFY) ☐ Lab Courier ☐ Other ______ (SPECIFY)

AG 05-0597

0012

ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. 2001-2570A

CHAIN-OF-CUSTODY RECORD

Page - - of ____

Project Number/Name NY001227.0017.00002
Project Location LAKE SUCCESS NY
Laboratory SEVERN TRENT SHELTON
Project Manager BILL HOLUBOWICH
Sampler(s)/Affiliation G. WILLIAMS

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE: 8oz JAR AS HS EN (SW)						Remarks	Total
GM-FPN 19X	S	9-25-01	16	1							1
GM-FPN 19Y	S		17	1							1
FB 9-25-01	L		18	1							1
										06°C	
										"PASSED RAD SCREEN"	

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 3

Relinquished by: [signature]	Organization: ARCADIS GTM	Date 9/25/01	Time 5:15	Seal Intact?
Received by: Peter C. Yanirowski	Organization: STL CT	Date 09/26/01	Time 09:20	Yes No N/A
Relinquished by:	Organization:	Date / /	Time	Seal Intact?
Received by:	Organization:	Date / /	Time	Yes No N/A

Special Instructions/Remarks: REPORT TO BILL HOLUBOWICH

Delivery Method: ☐ In Person ☒ Common Carrier FED-EX (SPECIFY) ☐ Lab Courier ☐ Other ____ (SPECIFY)

AG 05-0597

0013

SAMPLE RECEIPT CHECKLIST

STL CT Job No. 7001-2520A Date Received: 9/26/01

Client: GPM Project: Lake Success

A. Preliminary Examination

Cooler opened by: Rob / Alex Signature:

1. Did cooler(s) come with a shipping airbill?..... (Yes) No N/A

   Name of courier and/or airbill no._____

2. Were custody seals on outside of cooler(s)?..... (Yes) No N/A

3. Were custody seals tamper evident?..... Yes (No) (N/A)

   Seal Date_____

4. Were custody seals intact upon arrival to lab?..... (Yes) No N/A

5. Were samples screened for radioactivity and COC stamped?..... (Yes) No N/A

6. Were COCs included, filled out properly in ink, and signed in the field?... (Yes) No N/A

7. Were COCs signed and dated properly upon lab receipt?..... (Yes) No N/A

8. If required, did cooler(s) show evidence of cooling?..... (Yes) No N/A

   Type of coolant used: Loose ice (Bagged ice) Ice packs Other:_____

   Temperature of cooler(s) on receipt: 6°C

   Source of temperature reading (check one) Temp blank (Sample)

9. If necessary, was the lab notified of any short holding times?..... Yes No (N/A)

10. Initial and date this form to acknowledge receipt of cooler(s): (initials) ___ (Date) 9/26

B. Log-in Date of login: 9/26/01

Logged in by: Rob Signature:

10. Describe type of packing in cooler(s): (Bubble wrap) Vermiculite Other None

12. Did all bottles arrive intact with legible labels in good condition?..... (Yes) No N/A

13. Was all required bottle label information complete?..... (Yes) No N/A

14. Did all bottle labels agree with COCs?..... (Yes) No N/A

15. Were samples checked for residual chlorine and correct preservatives? (Yes) No N/A

    Was Preservative Log filled out (Yes) No N/A

16. Was enough volume submitted for the indicated tests?..... (Yes) No N/A

17. Were bubbles present in any VOA vials?..... Yes (No) (N/A)

    If yes, list by sample number_____

18. If necessary, has CAR been issued to QA manager?..... Yes No (N/A)

STL/CT PRESERVATIVE RECORD

Job Number: 7001-252WA
Client: GFM
Client Project: Lake Success

Lab Number	Preservative	pH	Adjustment	Chlorine Residual	Initials	Date
18	HNO_3	<2	None	NA		9/20/14

STL Form# SMF00202.CT

Severn T - Connecticut
Internal Chain-of-Custody

Client: G+M

STL Job #: 201.3520A

Trip Blank: NA

Date Received: 9/26/01

QC: NO

Sample #s: 01 → 18

Project #: Lake Success

Locations: Misc B, A10

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
14-17	ML	GB	9/28	1400	Hg	GB	ML	9/28	1530
18	ML	GB	10/01	1330	Hg	GB	ML	10/01	1600
1-18	ML	KW	10/02	9:10	MHS	KW	ML	10/03	9:05

STL Form# SMF00505.CT

ATOMIC SPECTROSCOPY DEPARTMENT

ob Number 2520A Sample Numbers 18

(WATER) - SOIL - SLUDGE - EPTOX/TCLP

confirm that I have performed the preparation below following SOP guidelines and uthorize the release of this preparation:

mple Prep		ICP/FLME
Kathleen Wilcoxk	10/02/01	
		FURN
		MERCURY
Chemist	Date(s)	

confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Un ;is	10/4/01	ICP
		FLAME
		FURN
		MERCURY
Chemist	Date(s)	

I have reviewed and authorize the release of this job:

Complete _____ Supervisor 10/5/01 Date

Batch Assignment _____

mitted To *Your* Success

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

0018

ob Number 2520A Sample Numbers 01-17

WATER - (SOIL) - SLUDGE - EPTOX/TCLP

confirm that I have performed the preparation below following SOP guidelines and uthorize the release of this preparation:

ample Prep

Kathie Wilcox	10/02/01	ICP/FLME
		FURN
		MERCURY
Chemist	Date(s)	

confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis

Nelson Peterson	10/4/01	ICP
		FLAME
		FURN
		MERCURY
Chemist	Date(s)	

I have reviewed and authorize the release of this job:

Complete [signature] 10/5/01
Supervisor Date

Batch Assignment

ATOMIC SPECTROSCOPY DEPARTMENT

ob Number 012520 A Sample Numbers 18

WATER - SOIL - SLUDGE - EPTOX/TCLP

confirm that I have performed the preparation below following SOP guidelines and uthorize the release of this preparation:

mple Prep			
			ICP/FLME
			FURN
	Gerda Bao	10-01-01	MERCURY
	Chemist	Date(s)	

confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

			ICP
An sis			FLAME
			FURN
	Gerda Bao	10-02-01	MERCURY
	Chemist	Date(s)	

I have reviewed and authorize the release of this job:

Complete 2ew 10/5/01
Supervisor Date

Batch Assignment

ATOMIC SPECTROSCOPY DEPARTMENT

0020

ob Number 12520A Sample Numbers 14 - 17

WATER (SOIL) SLUDGE - EPTOX/TCLP

confirm that I have performed the preparation below following SOP guidelines and uthorize the release of this preparation:

ample Prep _____ _____

_____ _____ ICP/FLME

_____ _____ FURN

Gordon Bao 09-28-01 MERCURY

Chemist Date(s)

confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

_____ _____ ICP

Analysis _____ _____ FLAME

_____ _____ FURN

Gordon Bao 10-01-01 MERCURY

Chemist Date(s)

I have reviewed and authorize the release of this job:

Complete _____ 10/1/01

Supervisor Date

Batch Assignment _____

IEA / CT
LABORATORY CHRONICLE

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

JOB #: **7001-2520A**

SAMPLE ID	MATRIX	LIST REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
GM-21J(5')	SOIL	CU-NSW846	09/26/01	10/2/01	10/3/01
GM-21J(5')	SOIL	ZN-NSW846	09/26/01		
GM-21J(10')	SOIL	CU-NSW846	09/26/01		
GM-21J(10')	SOIL	ZN-NSW846	09/26/01		
GM-21K(5')	SOIL	CU-NSW846	09/26/01		
GM-21K(5')	SOIL	ZN-NSW846	09/26/01		
GM-21K(10')	SOIL	CU-NSW846	09/26/01		
GM-21K(10')	SOIL	ZN-NSW846	09/26/01		
GM-15J	SOIL	ZN-NSW846	09/26/01		
GM-15K	SOIL	ZN-NSW846	09/26/01		
GM-15L	SOIL	ZN-NSW846	09/26/01		
GM-15M	SOIL	ZN-NSW846	09/26/01		
GM-15N	SOIL	ZN-NSW846	09/26/01		
GM-26AM	SOIL	ZN-NSW846	09/26/01		
GM-26AN	SOIL	ZN-NSW846	09/26/01		
GM-26A-O	SOIL	ZN-NSW846	09/26/01		
BACKGROUND	SOIL	ZN-NSW846	09/26/01		
GM-FPM-8K	SOIL	AS-NSW846	09/26/01		
GM-FPM-8K	SOIL	HG-NSW846	09/26/01	9/27/01	10/1/01
GM-FPM-8K	SOIL	ZN-NSW846	09/26/01	10/2/01	10/3/01
GM-FPM-8L	SOIL	AS-NSW846	09/26/01		
GM-FPM-8L	SOIL	HG-NSW846	09/26/01		

Section Supervisor (signature) _____

w & Approval (printed name) D.W.IEL

(Date) 10/5/01

QC Supervisor (signature) _____

Review & Approval (printed name) _____

(Date) ___/___/___

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

SOW No.: ILM04.0

Field Sample ID	Lab Sample ID.
GM-21J(5')	012520A-01
GM-21J(10')	012520A-02
GM-21K(5')	012520A-03
GM-21K(10')	012520A-04
GM-15J	012520A-05
GM-15K	012520A-06
GM-15L	012520A-07
GM-15M	012520A-08
GM-15N	012520A-09
GM-26AMD	012520A-10D
GM-26AMS	012520A-10S
GM-26AM	012520A-10
GM-26AN	012520A-11
GM-26A-O	012520A-12
BACKGROUND	012520A-13
GM-FPM-8K	012520A-14
GM-FPM-8L	012520A-15
GM-FPM 19X	012520A-16
GM-FPM 19Y	012520A-17
FB092501	012520A-18

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: [signature] Name: Daniel W. Hoffman

Date: 10/5/01 Title: Group Leader

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1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

GM-21J(5')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-01

Level (low/med): LOW Date Received: 09/26/01

% Solids: 91.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	186.			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	64.0			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-21J(10')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-02

Level (low/med): LOW Date Received: 09/26/01

% Solids: 92.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	82.0			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	51.4			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-21K(5')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-03

Level (low/med): LOW Date Received: 09/26/01

% Solids: 82.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	14.1			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	40.0			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-21K(10')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-04

Level (low/med): LOW Date Received: 09/26/01

% Solids: 88.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	7.7			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	21.8			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-15J

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-05

Level (low/med): LOW Date Received: 09/26/01

% Solids: 93.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	230.			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-15K

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-06

Level (low/med): LOW Date Received: 09/26/01

% Solids: 91

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	78.0			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-15L

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-07

Level (low/med): LOW Date Received: 09/26/01

% Solids: 92.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	105.			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-15M

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-08

Level (low/med): LOW Date Received: 09/26/01

% Solids: 93.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	158.			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-15N

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-09

Level (low/med): LOW Date Received: 09/26/01

% Solids: 92

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	40.8			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

GM-26AM

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-10

Level (low/med): LOW Date Received: 09/26/01

% Solids: 93.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	44.6			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-26AN

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-11

Level (low/med): LOW Date Received: 09/26/01

% Solids: 93.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	25.4			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-26A-O

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-12

Level (low/med): LOW Date Received: 09/26/01

% Solids: 81.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	212.			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BACKGROUND

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-13

Level (low/med): LOW Date Received: 09/26/01

% Solids: 88.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	51.0			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-FPM-8K

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-14

Level (low/med): LOW Date Received: 09/26/01

% Solids: 87.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	4.8			P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	43.0			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-FPM-8L

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-15

Level (low/med): LOW Date Received: 09/26/01

% Solids: 92

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	7.9			P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.58			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	308.			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GM-FPM 19X

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-16

Level (low/med): LOW Date Received: 09/26/01

% Solids: 87.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	112.			P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.74			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	98.4			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

GM-FPM 19Y

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): SOIL Lab Sample ID: 012520A-17

Level (low/med): LOW Date Received: 09/26/01

% Solids: 86.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	11.6			P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.58			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	122.			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB092501

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix (soil/water): WATER Lab Sample ID: 012520A-18

Level (low/med): LOW Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	4.4	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	8.2	B		P
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

_____

_____

_____

_____

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic	1000.0	987.80	98.8	500.0	500.06	100.0	520.15	104.0	P
Barium									NR
Beryllium									NR
Cadmium									NR
lcium									NR
.romium									NR
Cobalt									NR
Copper	1000.0	997.52	99.8	500.0	492.57	98.5	505.75	101.2	P
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	5.0	5.00	100.0	5.0	4.94	98.8	5.07	101.4	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc	1000.0	998.35	99.8	500.0	507.81	101.6	520.93	104.2	P
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic				500.0	507.39	101.5	506.11	101.2	P
Barium									NR
Beryllium									NR
Cadmium									NR
lcium									NR
romium									NR
Cobalt									NR
Copper				500.0	498.27	99.6	498.29	99.6	P
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.18	103.6	5.03	100.6	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc				500.0	505.29	101.0	515.00	103.0	P
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic				500.0	515.67	103.1			P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper				500.0	502.96	100.6			P
Iron									NR
Lead									NR
Magnesium									NR
Manganese							do	do	NR
Mercury				5.0	5.07	101.4	~~5.07~~	101.4	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc				500.0	517.46	103.5			P
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic	1000.0	1002.80	100.3	500.0	494.76	99.0	498.93	99.8	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper	1000.0	996.15	99.6	500.0	488.39	97.7	490.71	98.1	P
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	5.0	4.93	98.6	5.0	4.91	98.2	4.96	99.2	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc	1000.0	995.00	99.5	500.0	494.98	99.0	496.06	99.2	P
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic				500.0	497.04	99.4	512.25	102.4	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper				500.0	493.90	98.8	499.08	99.8	P
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	4.82	96.4	4.86	97.2	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc				500.0	498.09	99.6	510.16	102.0	P
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic				500.0	508.16	101.6			P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper				500.0	494.58	98.9			P
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	4.89	97.8	4.86	97.2	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc				500.0	505.36	101.1			P
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	4.88	97.6	4.87	97.4	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

AA CRDL Standard Source: INORG. VENT.

ICP CRDL Standard Source: INORG. VENT.

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R(1)	True	Initial Found	%R(1)	Final Found	%R(1)
Aluminum								
Antimony								
Arsenic				20.0	23.06	115.3	21.47	107.4
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper				50.0	52.42	104.8	52.98	106.0
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc				40.8 ~~60.0~~	42.28	~~70.5~~ 105.7	42.85	~~71.4~~ 107.1
Cyanide								

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2B
CRDL STANDARD FOR AA AND ICP

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

AA CRDL Standard Source: INORG. VENT.

ICP CRDL Standard Source: INORG. VENT.

Concentration Units: ug/L

Analyte	CRDL Standard for AA True	Found	%R(1)	CRDL Standard for ICP True	Initial Found	%R(1)	Final Found	%R(1)
Aluminum								
Antimony								
Arsenic				9.8	21.35	217.9	18.98	193.8
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper				50.0	51.86	103.7	50.68	101.4
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc				40.0 ~~60.0~~	41.79	~~69.7~~ 104.5	41.55	~~69.2~~ 103.9
Cyanide								

U.S. EPA - CLP

3
BLANKS

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic	4.4	U	4.4	U	4.4	U	4.4	U	0.980	U	P
Barium											NR
ryllium											NR
dmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper	1.5	U	1.5	U	1.5	U	1.5	U	0.300	U	P
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	-0.1	B	0.001	U	CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc	4.5	U	4.5	U	4.5	U	4.5	U	0.980	U	P
Cyanide											NR

3
BLANKS

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic			4.4	U	4.4	U			2.200	U	P
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper			1.5	U	1.5	U			0.750	U	P
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1 U		0.100	U	CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc			4.5	U	4.5	U			3.159	B	P
Cyanide											NR

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3
BLANKS

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic	4.9	U	4.9	U	4.9	U	4.9	U	2.200	U	P
Barium											NR
ryllium											NR
dmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper	1.5	U	1.5	U	1.5	U	1.5	U	0.750	U	P
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	3.159	B	P
Cyanide											NR

U.S. EPA - CLP

3
BLANKS

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic			4.9	U	4.9	U					P
Barium											NR
ryllium											NR
dmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper			1.5	U	-1.6	B					P
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc			4.9	U	4.9	U					P
Cyanide											NR

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3
BLANKS

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury			0.1	U	0.1	U					CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ID Number: JA61 ICS Source: EPA-LV87

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000							
Antimony								
Arsenic		100	7	102.6	102.6	4	108.2	108.2
Barium								
Beryllium								
ıdmium								
ılcium	500000							
Chromium								
Cobalt								
Copper		500	0	527.0	105.4	-2	532.7	106.5
Iron	200000							
Lead								
Magnesium	500000							
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc		1000	-5	896.7	89.6	-5	907.5	90.7
Cyanide								

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4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ID Number: JA61E ICS Source: EPA-LV87

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000							
Antimony								
Arsenic		100	9	105.5	105.5	5	106.4	106.4
Barium								
Beryllium								
dmium								
lcium	500000							
Chromium								
Cobalt								
Copper		500	1	539.4	107.8	1	550.1	110.0
Iron	200000							
Lead								
Magnesium	500000							
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc		1000	4	973.0	97.3	3	997.1	99.7
Cyanide								

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

GM-26AMS

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix: SOIL Level (low/med): LOW

% Solids for Sample: 93.39

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

Analyte	Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
[illegible]per									NR
[illegible]n									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc	75-125	143.7686		✓ 44.5769		94.76	104.7		P
Cyanide									NR

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-56B/0-4S

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix: SOIL Level (low/med): LOW

% Solids for Sample: 89.08

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

Analyte	Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
C pper									NR
n									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	75-125	0.1204		0.0611		0.06	101.5		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

GM-26AMD

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix: SOIL Level (low/med): LOW

% Solids for Sample: 93.39 % Solids for Duplicate: 93.39

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc		44.5769		61.3500		31.7		P
Cyanide								NR

OK

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

SB-56B/0-4D

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix: SOIL Level (low/med): LOW

% Solids for Sample: 89.08 % Solids for Duplicate: 89.08

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury	0.0	0.0611		0.0637		4.2		CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide								NR

U.S. EPA - CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Solid LCS Source: _____

Aqueous LCS Source: INORG. VENT.

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic	1000.0	1003.98	100.4						
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	300.0	296.98	99.0						
Iron									
Lead									
Magnesium									
Manganese									
Mercury	5.0	4.84	96.8						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc	300.0	308.31	102.8						
Cyanide									

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7
LABORATORY CONTROL SAMPLE

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Solid LCS Source: INORG. VENT.

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic				47.5	55.2		34.4	60.6	116.4
Barium									
Beryllium									
Cadmium									
lcium									
.romium									
Cobalt									
Copper				69.5	77.3		56.9	82.0	111.3
Iron									
Lead									
Magnesium									
Manganese									
Mercury				6.2	7.3		4.1	8.2	118.8
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc				289.0	312.3		224.0	356.0	108.1
Cyanide									

U.S. EPA - CLP

8
STANDARD ADDITION RESULTS

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Concentration Units: ug/L

EPA Sample No.	An	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q

FORM VIII - IN ILM04.0

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9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

GM-26AML

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Matrix(soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony							NR
Arsenic			24.50	U	100.0		P
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper			84.68	B	0.6		P
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc	233.13		239.46		2.7		P
Cyanide							NR

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61 Date: 07/25/01

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					
Antimony					
Arsenic	193.60		10.0	4.9	P
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper	324.75		25.0	1.5	P
Iron					
Lead					
Magnesium					
Manganese					
Mercury			.2		
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc	213.85		30.0	4.9	P

Comments:

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61E Date: 07/25/01

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					
Antimony					
Arsenic	193.60		10.0	4.4	P
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper	324.75		25.0	1.5	P
Iron					
Lead					
Magnesium					
Manganese					
Mercury			.2		
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc	213.85		30.0	4.5	P

Comments:

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: _____ Date: 07/25/01

Flame AA ID Number: HG4

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					
Antimony					
Arsenic			10.0		
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper			25.0		
Iron					
Lead					
Magnesium					
Manganese					
Mercury	253.70		.2	.1	CV
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc			30.0		

Comments:

11A
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61 Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	Ag
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	-.4786330
[illegible]on						
[illegible]ad						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85	.0009443	8.7485000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61 Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : As	Au	B	Ba	Be
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75	0.0000000		-14.5688000	0.0000000	0.0000000
on						
ad						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85	-1.3146900		0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61 Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Cd	Co	Cr	Cu	K
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
[illegible]on						
[illegible]ad						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61 Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Li	Mn	Mo	Na	Ni
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75		0.0000000	0.0000000	0.0000000	0.0000000
on						
ad						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85		0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61 Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Pb	Pd	Pt	Sb	Se
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75	-3.6280800			0.0000000	.0519865
Iron						
Lead						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85	0.0000000			-.6141440	.1325478

Comments:

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61 Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Si	Sn	Ti	Tl	V
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75		0.0000000	0.0000000	0.0000000	0.0000000
on						
ad						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85		0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

0074

11B

ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61 Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Zn	Zr			
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75	-1.9375200	0.0000000			
on						
ad						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85	0.0000000	0.0000000			

Comments:

U.S. EPA - CLP

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61E Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	Ag
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	-.4786330
on						
ad						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85	.0009443	8.7485000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61E Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : As	Au	B	Ba	Be
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75	0.0000000		-14.5688000	0.0000000	0.0000000
[illegible]on						
[illegible]ead						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85	-1.3146900		0.0000000	0.0000000	0.0000000

Comments:

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61E Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Cd	Co	Cr	Cu	K
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
[illegible]on						
[illegible]ad						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

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11B 0078

ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61E Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Li	Mn	Mo	Na	Ni
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75		0.0000000	0.0000000	0.0000000	0.0000000
[illegible]on						
[illegible]ad						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85		0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61E Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Pb	Pd	Pt	Sb	Se
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75	-3.6280800			0.0000000	.0519865
Iron						
Lead						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85	0.0000000			-.6141440	.1325478

Comments:

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61E Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Si	Sn	Ti	Tl	V
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75		0.0000000	0.0000000	0.0000000	0.0000000
on						
ead						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85		0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61E Date: 06/05/01

Analyte	Wave-length (nm)	Interelement Correction Factors for : Zn	Zr			
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	324.75	-1.9375200	0.0000000			
Iron						
Lead						
Magnesium						
Manganese						
Mercury						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc	213.85	0.0000000	0.0000000			

Comments:

12
ICP Linear Ranges (Quarterly)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61 Date: 07/25/01

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	6.00	500000.0	P
Antimony	6.00	10000.0	P
Arsenic	6.00	10000.0	P
Barium	6.00	10000.0	P
Beryllium	6.00	10000.0	P
Cadmium	6.00	10000.0	P
Calcium	6.00	200000.0	P
Chromium	6.00	200000.0	P
Cobalt	6.00	10000.0	P
Copper	6.00	100000.0	P
Iron	6.00	500000.0	P
Lead	6.00	500000.0	P
Magnesium	6.00	500000.0	P
Manganese	6.00	10000.0	P
Mercury			NR
Nickel	6.00	10000.0	P
Potassium	6.00	100000.0	P
Selenium	6.00	10000.0	P
Silver	6.00	10000.0	P
Sodium	6.00	500000.0	P
Thallium	6.00	100000.0	P
Vanadium	6.00	10000.0	P
Zinc	6.00	10000.0	P

Comments:

U.S. EPA - CLP

12
ICP Linear Ranges (Quarterly)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

ICP ID Number: JA61E Date: 07/25/01

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	6.00	500000.0	P
Antimony	6.00	10000.0	P
Arsenic	6.00	10000.0	P
Barium	6.00	10000.0	P
Beryllium	6.00	10000.0	P
Cadmium	6.00	10000.0	P
Calcium	6.00	200000.0	P
Chromium	6.00	200000.0	P
Cobalt	6.00	10000.0	P
Copper	6.00	100000.0	P
Iron	6.00	500000.0	P
Lead	6.00	500000.0	P
Magnesium	6.00	500000.0	P
Manganese	6.00	10000.0	P
Mercury			NR
Nickel	6.00	10000.0	P
Potassium	6.00	100000.0	P
Selenium	6.00	10000.0	P
Silver	6.00	10000.0	P
Sodium	6.00	500000.0	P
Thallium	6.00	100000.0	P
Vanadium	6.00	10000.0	P
Zinc	6.00	10000.0	P

Comments:

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13
PREPARATION LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
012520A-14	09/28/01	.77	25
012520A-15	09/28/01	.81	25
012520A-16	09/28/01	.66	25
012520A-17	09/28/01	.84	25
LCSS1	09/28/01	.18	25
LCSS2	09/28/01	.19	25
PBS1	09/28/01	2.50	25
PBS2	09/28/01	2.50	25

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13
PREPARATION LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
012520A-18	10/01/01	25.00	25
LCSW1	10/01/01		25
LCSW2	10/01/01		25
LCSW3	10/01/01		25
LCSW4	10/01/01		25
PBW1	10/01/01		25
PBW2	10/01/01		25
PBW3	10/01/01		25
PBW4	10/01/01		25

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13
PREPARATION LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
012520A-18	10/02/01	100.00	100
LCSW1	10/02/01		100
PBW1	10/02/01		100

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13
PREPARATION LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2520A SAS No.: _____ SDG No.: A2520

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
012520A-01	10/02/01	1.11	200
012520A-02	10/02/01	1.26	200
012520A-03	10/02/01	1.12	200
012520A-04	10/02/01	1.02	200
012520A-05	10/02/01	1.19	200
012520A-06	10/02/01	1.25	200
012520A-07	10/02/01	1.09	200
012520A-08	10/02/01	1.06	200
012520A-09	10/02/01	1.46	200
012520A-10	10/02/01	1.12	200
012520A-10D	10/02/01	1.14	200
012520A-10S	10/02/01	1.13	200
012520A-10SD	10/02/01	1.12	200
012520A-11	10/02/01	1.23	200
012520A-12	10/02/01	1.06	200
012520A-13	10/02/01	1.45	200
012520A-14	10/02/01	1.12	200
012520A-15	10/02/01	1.11	200
012520A-16	10/02/01	1.19	200
012520A-17	10/02/01	1.08	200
LCSS1	10/02/01	1.00	200
PBS1	10/02/01	1.00	200

14
ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Instrument ID Number: JA61 Method: P

Start Date: 10/03/01 End Date: 10/03/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
S1	1.00	1312																												
S7	1.00	1317																												
S8	1.00	1324																												
S4	1.00	1330																												
S9	1.00	1333																												
S6	1.00	1337																												
S5	1.00	1341																												
S3	1.00	1344																												
ICV1	1.00	1344				X							X													X				
I[illegible]	1.00	1350				X							X													X				
Z[illegible]ZZ	1.00	1356																												
CRI3	1.00	1403				X							X													X				
ICSAI	1.00	1409																												
ICSABI	1.00	1415																												
CCV7	1.00	1421				X							X													X				
CCB7	1.00	1427				X							X													X				
ZZZZZZ	1.00	1433																												
ZZZZZZ	1.00	1439																												
ZZZZZZ	1.00	1445																												
ZZZZZZ	1.00	1451																												
ZZZZZZ	1.00	1457																												
PBS100201	1.00	1503				X							X													X				
PBS1	1.00	1503				X							X													X				
LCSS1	1.00	1509				X							X													X				
012520A-01	1.00	1515											X													X				
012520A-02	1.00	1521											X													X				
012520A-03	1.00	1527											X													X				
CCV8	1.00	1533				X							X													X				
CCB8	1.00	1539				X							X													X				
012520A-04	1.00	1545											X													X				
012520A-05	1.00	1551																								X				
012520A-06	1.00	1559																								X				
012520A-07	1.00	1605																								X				

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Instrument ID Number: JA61 Method: P

Start Date: 10/03/01 End Date: 10/03/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
012520A-08	1.00	1611																							X	
012520A-09	1.00	1617																							X	
012520A-10	1.00	1623																							X	
012520A-10D	1.00	1629																							X	
012520A-10S	1.00	1635																							X	
012520A-10SD	1.00	1641																								
CCV9	1.00	1647				X							X												X	
CCB9	1.00	1653				X							X												X	
012520A-10A	1.00	1659																								
012520A-10L	5.00	1705				X							X												X	
012520A-11	1.00	1711																							X	
012520A-12	1.00	1717																							X	
012520A-13	1.00	1723																							X	
012520A-14	1.00	1729				X																			X	
012520A-15	1.00	1735				X																			X	
012520A-16	1.00	1741				X																			X	
012520A-17	1.00	1747				X																			X	
ZZZZZZ	1.00	1753																								
CCV10	1.00	1759				X							X												X	
CCB10	1.00	1805				X							X												X	
ZZZZZZ	5.00	1812																								
CRI4	1.00	1818				X							X												X	
ICSAF	1.00	1824																								
ICSABF	1.00	1830																								
CCV11	1.00	1836				X							X												X	
CCB11	1.00	1842				X							X												X	

14
ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Instrument ID Number: JA61E Method: P

Start Date: 10/03/01 End Date: 10/03/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
S1	1.00	1021				X							X													X			
S7	1.00	1027				X							X													X			
S8	1.00	1033				X							X													X			
S4	1.00	1039				X							X													X			
S9	1.00	1043																												
S6	1.00	1048																												
S5	1.00	1052																												
S3	1.00	1056																												
ICV1	1.00	1056				X							X													X			
I[illegible]	1.00	1056				X							X													X			
I[illegible]	1.00	1102				X							X													X			
ICB3	1.00	1102				X							X													X			
ZZZZZZ	1.00	1108																												
CRI1	1.00	1114				X							X													X			
CRI3	1.00	1114				X							X													X			
ICSAI	1.00	1120				X							X													X			
ICSABI	1.00	1126				X							X													X			
CCV1	1.00	1132				X							X													X			
CCV7	1.00	1132				X							X													X			
CCB1	1.00	1138				X							X													X			
CCB7	1.00	1138				X							X													X			
PBW1	0.500	1144				X							X													X			
LCSW1	0.500	1150				X							X													X			
ZZZZZZ	0.500	1156																												
ZZZZZZ	0.500	1202																												
ZZZZZZ	0.500	1208																												
ZZZZZZ	0.500	1214																												
ZZZZZZ	0.500	1220																												
ZZZZZZ	0.500	1226																												
ZZZZZZ	0.500	1232																												
ZZZZZZ	0.500	1238																												
CCV2	1.00	1244				X							X													X			
CCV8	1.00	1244				X							X													X			

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Instrument ID Number: JA61E Method: P

Start Date: 10/03/01 End Date: 10/03/01

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN					
CCB2	1.00	1250				X							X												X							
CCB8	1.00	1250				X							X												X							
ZZZZZZ	0.500	1256																														
ZZZZZZ	1.00	1302																														
ZZZZZZ	2.50	1308																														
ZZZZZZ	0.500	1314																														
ZZZZZZ	1.00	1320																														
ZZZZZZ	1.00	1326																														
ZZZZZZ	1.00	1332																														
ZZZZZZ	1.00	1338																														
ZZZZZZ	1.00	1344																														
ZZZZZZ	1.00	1350																														
CCV3	1.00	1356				X							X												X							
CCV9	1.00	1356				X							X												X							
CCB3	1.00	1402				X							X												X							
CCB9	1.00	1402				X							X												X							
ZZZZZZ	1.00	1408																														
ZZZZZZ	5.00	1414																														
ZZZZZZ	1.00	1420																														
ZZZZZZ	1.00	1426																														
ZZZZZZ	1.00	1432																														
ZZZZZZ	1.00	1438																														
ZZZZZZ	1.00	1444																														
ZZZZZZ	1.00	1450																														
ZZZZZZ	1.00	1456																														
ZZZZZZ	1.00	1502																														
CCV10	1.00	1509				X							X												X							
CCV4	1.00	1509				X							X												X							
CCB10	1.00	1515				X							X												X							
CCB4	1.00	1515				X							X												X							
ZZZZZZ	1.00	1521																														
ZZZZZZ	1.00	1527																														
ZZZZZZ	1.00	1533																														

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Instrument ID Number: JA61E Method: P

Start Date: 10/03/01 End Date: 10/03/01

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN					
012520A-18	1.00	1539				X																				X						
ZZZZZZ	1.00	1545																														
ZZZZZZ	1.00	1551																														
ZZZZZZ	5.00	1557																														
CRI2	1.00	1603				X							X													X						
CRI4	1.00	1603				X							X													X						
ICSAF	1.00	1609				X							X													X						
ICSABF	1.00	1615				X							X													X						
CCV11	1.00	1621				X							X													X						
C	1.00	1621				X							X													X						
C 1	1.00	1627				X							X													X						
CCB5	1.00	1627				X							X													X						

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14
ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Instrument ID Number: HG4 Method: CV

Start Date: 10/01/01 End Date: 10/01/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1031																X									
S0	1.00	1032																X									
S1	1.00	1034																X									
S2	1.00	1036																X									
S5	1.00	1038																X									
S1	1.00	1040																X									
ICV1	1.00	1042																X									
ICB1	1.00	1044																X									
CCV1	1.00	1046																X									
C[illegible]	1.00	1048																X									
P[illegible]	1.00	1049																X									
PBS2	1.00	1049																X									
LCSS1	10.0	1051																X									
LCSS2	10.0	1051																X									
012448A-05	1.00	1053																X									
012448A-05D	1.00	1055																X									
012448A-05S	1.00	1057																X									
ZZZZZZ	1.00	1059																									
ZZZZZZ	1.00	1101																									
ZZZZZZ	1.00	1103																									
ZZZZZZ	1.00	1105																									
ZZZZZZ	1.00	1107																									
CCV2	1.00	1108																X									
CCB2	1.00	1110																X									
ZZZZZZ	1.00	1112																									
012520A-14	1.00	1116																X									
ZZZZZZ	1.00	1117																									
CCV3	1.00	1137																X									
CCB3	1.00	1139																X									
ZZZZZZ	10.0	1148																									
ZZZZZZ	10.0	1150																									
ZZZZZZ	10.0	1152																									
CCV3	1.00	1155																X									

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Instrument ID Number: HG4 Method: CV

Start Date: 10/01/01 End Date: 10/01/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB3	1.00	1157																X									
ZZZZZZ	10.0	1158																									
ZZZZZZ	1.00	1203																									
ZZZZZZ	1.00	1205																									
ZZZZZZ	1.00	1207																									
ZZZZZZ	1.00	1208																									
ZZZZZZ	1.00	1210																									
ZZZZZZ	1.00	1212																									
ZZZZZZ	10.0	1214																									
C[illegible]	1.00	1216															X										
C	1.00	1218															X										
ZZZZZZ	10.0	1237																									
012520A-15	10.0	1239															X										
012520A-16	10.0	1241															X										
012520A-17	10.0	1243															X										
CCV6	1.00	1250															X										
CCB6	1.00	1252															X										

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Instrument ID Number: HG4 Method: CV

Start Date: 10/02/01 End Date: 10/02/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1025																X									
S0	1.00	1027																X									
S1	1.00	1028																X									
S2	1.00	1030																X									
S5	1.00	1032																X									
S1	1.00	1035																X									
ICV1	1.00	1037																X									
ICV1	1.00	1037																X									
ICB3	1.00	1039																X									
I[illegible]	1.00	1039																X									
C[illegible]1	1.00	1040																X									
CCV7	1.00	1040																X									
CCB10	1.00	1042																X									
CCB7	1.00	1042																X									
PBW1	1.00	1044																X									
LCSW1	1.00	1046																X									
ZZZZZZ	1.00	1048																									
ZZZZZZ	1.00	1049																									
ZZZZZZ	1.00	1051																									
ZZZZZZ	1.00	1053																									
ZZZZZZ	1.00	1055																									
ZZZZZZ	1.00	1056																									
ZZZZZZ	1.00	1058																									
ZZZZZZ	1.00	1100																									
CCV12	1.00	1101																X									
CCV8	1.00	1101																X									
CCB11	1.00	1103																X									
CCB8	1.00	1103																X									
ZZZZZZ	1.00	1105																									
ZZZZZZ	1.00	1106																									
ZZZZZZ	1.00	1108																									
ZZZZZZ	1.00	1110																									
ZZZZZZ	1.00	1111																									

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Instrument ID Number: HG4 Method: CV

Start Date: 10/02/01 End Date: 10/02/01

EPA Sample No.	D/F	Time	% R	Analytes																									
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1116																											
CCV13	1.00	1118																X											
CCV9	1.00	1118																X											
CCB12	1.00	1120																X											
CCB9	1.00	1120																X											
ZZZZZZ	1.00	1121																											
ZZZZZZ	1.00	1123																											
ZZZZZZ	1.00	1125																											
ZZZZZZ	1.00	1127																											
ZZZZZZ	1.00	1128																											
ZZZZZZ	1.00	1130																											
ZZZZZZ	1.00	1132																											
CCV10	1.00	1133																X											
CCV14	1.00	1133																X											
CCB10	1.00	1136																X											
CCB13	1.00	1136																X											
ZZZZZZ	1.00	1137																											
ZZZZZZ	1.00	1139																											
ZZZZZZ	1.00	1140																											
ZZZZZZ	1.00	1142																											
ZZZZZZ	1.00	1144																											
ZZZZZZ	1.00	1145																											
ZZZZZZ	1.00	1147																											
ZZZZZZ	1.00	1148																											
ZZZZZZ	1.00	1150																											
ZZZZZZ	1.00	1152																											
CCV11	1.00	1153																X											
CCV15	1.00	1153																X											
CCB11	1.00	1155																X											
CCB14	1.00	1155																X											
ZZZZZZ	1.00	1157																											
ZZZZZZ	1.00	1159																											
ZZZZZZ	1.00	1200																											

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A2520

Instrument ID Number: HG4 Method: CV

Start Date: 10/02/01 End Date: 10/02/01

EPA Sample No.	D/F	Time	% R	Analytes																												
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN					
ZZZZZZ	1.00	1202																														
ZZZZZZ	1.00	1203																														
ZZZZZZ	1.00	1205																														
ZZZZZZ	1.00	1207																														
CCV12	1.00	1209																X														
CCV16	1.00	1209																X														
CCB12	1.00	1211																X														
CCB15	1.00	1211																X														
ZZZZZZ	1.00	1213																														
ZZZZZZ	1.00	1214																														
Z ZZ	1.00	1216																														
ZZZZZZ	1.00	1218																														
ZZZZZZ	1.00	1219																														
ZZZZZZ	1.00	1221																														
ZZZZZZ	1.00	1223																														
ZZZZZZ	1.00	1224																														
CCV13	1.00	1226																X														
CCV17	1.00	1226																X														
CCB13	1.00	1229																X														
CCB16	1.00	1229																X														
012520A-18	1.00	1236																X														
CCV14	1.00	1238																X														
CCB14	1.00	1240																X														

Appendix H

Chain of Custody and Laboratory Data Package for December 2001 Soil Sampling Round

SEVERN TRENT SERVICES

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

Tel: 203 929 8140
Fax: 203 929 8142
www.stl-inc.com

July 31, 2001

Mr. Bill Holubowich
ARCADIS/GERAGHTY & MILLER
88 Duryea Road
Melville, NY 11747

Dear Mr. Holubowich :

Please find enclosed the analytical results of 25 sample(s) received at our laboratory on July 13, 2001. This report contains sections addressing the following information at a minimum:

- sample summary
- analytical methodology
- state certifications
- definition of data qualifiers and terminology
- analytical results
- chain-of-custody

STL Report #7001-1820A	Purchase Order #NY001227.0017.00001
Project ID: LOCKHEED MARTIN RCRA SOIL	

Copies of this analytical report and supporting data are maintained in our files for a minimum of five years unless special arrangements have been made. Unless specifically indicated, all analytical testing was performed at this laboratory location and no portion of the testing was subcontracted.

We appreciate your selection of our services and welcome any questions or suggestions you may have relative to this report. Please contact your customer service representative at (203) 929-8140 for any additional information. Thank you for utilizing our services; we hope you will consider us for your future analytical needs.

I have reviewed and approved the enclosed data for final release.

Very truly yours,

Jeffrey C. Curran
Laboratory Manager

JCC

This report contains 146 pages.

7001-1820A
ARCADIS GERAGHTY & MILLER

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 5030B/8260B. The instrumentation used was a Tekmar Model 2000/2016 Concentrator interfaced with a Hewlett Packard Model 5970A GC/MS/DS.

The spike compound percent recoveries for benzene were within the laboratory generated guidelines in the independent source quality control samples (020PPB_QCS).

The percent RPD value for vinyl acetate was above the criteria limit of twenty percent.

Metals – ICAP metals were determined using a JA61E trace ICAP; mercury was determined by cold vapor technique using a Leeman Labs mercury analyzer; following guidance provided in SW846 according to methods: ICAP – 3050B/6010B; mercury-7471A.

One "*" flag resulted from duplicate analysis of sample 21G (21.5) for chromium.

No other problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

Semi-Volatile Organics - Semi-volatile organic samples were extracted and analyzed by capillary GC/MS according to NYSDEC '95 Protocols using guidance provided in Methods 3510C/3550B/8270C. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

The spike recovery for the compound, benzoic acid, was above recovery limits and benzyl alcohol was below recovery limits for SBLKISFMS.

The spike recoveries for phenol and 2,4-dinitrotoluene were above recovery limits for 21G(21.5)MS. The recovery limits for 4-chloro-3-methylphenol, pentachlorophenol, and 2,4-dinitrotoluene were above recovery limits for 21G(21.5)MSB.

Polychlorinated Biphenyls (PCB's) - PCB samples were extracted and analyzed by GC/ECD using guidance provided in Methods 3510C/3550B/8082. The instrumentation used was a Hewlett-Packard Gas Chromatograph equipped with an Electron Capture Detector (Ni63).

All samples were extracted and concentrated without any apparent problems.

The aroclor's detected in 21G (26.5) and REP-1 were below the reporting limit and were not confirmed.

Surrogate recovery for Tetrachloro-m-xylene was above QC limits in PBLK19, PBLK19QC2, and FB071201. It was suspected that a contaminant peak coeluting with Tetrachloro-m-xylene elevated the recovery.

Manual integrations were performed if required, and any affected peaks were designated with an "MM" on the area report in the column titled "Code". Manual integrations were initialed by the analyst that performed the integration.

Aqueo

TABLE VO-1.0
7001-1820A
ARCADIS/GERAGHTY & MILLER
TCL VOLATILE ORGANICS

All values are ug/L.

Client Sample I.D.	Method Blank	FB071201	TB071201	Quant Limit with Dilut
Lab Sample I.D.	VBLKM1	011820A-13	011820A-14	
Method Blank I.D.	VBLKM1	VBLKM1	VBLKM1	
Quant. Factor	1.00	1.00	1.00	
Chloromethane	U	UJ	UJ	10
Bromomethane	U	U	U	10
Vinyl Chloride	U	U	U	10
Chloroethane	U	U	U	10
Methylene Chloride	U	18	18	5.0
Acetone	U	4J	6J	10
Carbon Disulfide	U	U	U	5.0
Vinyl Acetate	U	UJ	UJ	10
1,1-Dichloroethene	U	U	U	5.0
1,1-Dichloroethane	U	U	U	5.0
cis-1,2-Dichloroethene	U	U	U	5.0
trans-1,2-Dichloroethene	U	U	U	5.0
Chloroform	U	U	U	5.0
1,2-Dichloroethane	U	U	U	5.0
2-Butanone	U	UJ	UJ	10
1,1,1-Trichloroethane	U	U	U	5.0
Carbon Tetrachloride	U	U	U	5.0
Bromodichloromethane	U	U	U	5.0
1,2-Dichloropropane	U	U	U	5.0
cis-1,3-Dichloropropene	U	U	U	5.0
Trichloroethene	U	U	U	5.0
Dibromochloromethane	U	U	U	5.0
1,1,2-Trichloroethane	U	U	U	5.0
Benzene	U	U	U	5.0
trans-1,3-Dichloropropene	U	U	U	5.0
Bromoform	U	U	U	5.0
4-Methyl-2-Pentanone	U	UJ	UJ	10
2-Hexanone	U	UJ	UJ	10
Tetrachloroethene	U	U	U	5.0
Toluene	U	U	U	5.0
1,1,2,2-Tetrachloroethane	U	U	U	5.0
Chlorobenzene	U	U	U	5.
Ethylbenzene	U	U	U	5.
Styrene	U	U	U	5.
Xylene (total)	U	U	U	5.
Date Received		07/13/01	07/13/01	
Date Extracted	N/A	N/A	N/A	
Date Analyzed	07/17/01	07/17/01	07/17/01	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation fact
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

Soil

TABLE VO-1.1
7001-1820A
ARCADIS/GERAGHTY & MILLER
TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	Method Blank VBLKOA VBLKOA 1.00	21G (21.5) 011820A-04 VBLKOA 1.10 ✓	21G (21.5) FMS 011820A-04 FMS VBLKOA 1.08	Quant. Limits with no Dilution
Chloromethane	U	U	42X	10
Bromomethane	U	U 5	54X	10
Vinyl Chloride	U	U	45X	10
Chloroethane	U	U	56X	10
Methylene Chloride	4J	12B U	51BX	5.0
Acetone	4J	5JB 10 U	47BX	10
Carbon Disulfide	U	.3J	51X	5.0
Vinyl Acetate	U	U	27X	10
1,1-Dichloroethene	U	U	56X	5.0
1,1-Dichloroethane	U	U	55X	5.0
cis-1,2-Dichloroethene	U	U	56	5.0
trans-1,2-Dichloroethene	U	U	55	5.0
Chloroform	U	U	59X	5.0
1,2-Dichloroethane	U	U	59X	5.0
2-Butanone	U	U	48X	10
1,1,1-Trichloroethane	U	U	57X	5.0
arbon Tetrachloride	U	U	58X	5.0
romodichloromethane	U	U	56X	5.0
1,2-Dichloropropane	U	U	53X	5.0
cis-1,3-Dichloropropene	U	U	56X	5.0
Trichloroethene	U	U	52X	5.0
Dibromochloromethane	U	U	58X	5.0
1,1,2-Trichloroethane	U	U	55X	5.0
Benzene	U	U	52X	5.0
trans-1,3-Dichloropropene	U	U	54X	5.0
Bromoform	U	U	57X	5.0
4-Methyl-2-Pentanone	U	U	47X	10
2-Hexanone	U	U	50X	10
Tetrachloroethene	U	U	53X	5.0
Toluene	.9J	.9JB 5.5U	51BX	5.0
1,1,2,2-Tetrachloroethane	U	U	51X	5.0
Chlorobenzene	U	U	54X	5.0
Ethylbenzene	U	U	53X	5.0
Styrene	U	U	53X	5.0
Xylene (total)	U	.4J	160X	5.0
Date Received		07/13/01	07/13/01	
Date Extracted	N/A	N/A	N/A	
Date Analyzed	07/18/01	07/18/01	07/18/01	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

Soil

TABLE VO-1.2
7001-1820A
ARCADIS/GERAGHTY & MILLER
TCL VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	21G (21.5) FMSD 011820A-04 FMSD VBLKOA 1.11	21G (26.5) 011820A-05 VBLKOA 1.04	REP-1 011820A-06 VBLKOA 1.17	Quant. Limits with no Dilution
Chloromethane	40X	U	U	10
Bromomethane	60X	UJ	UJ	10
Vinyl Chloride	43X	U	U	10
Chloroethane	55X	U	U	10
Methylene Chloride	48BX	8B U	11B U	5.0
Acetone	40BX	8JB U	15B U	10
Carbon Disulfide	50X	U	.5J	5.0
Vinyl Acetate	20X	U	U	10
1,1-Dichloroethene	53X	U	U	5.0
1,1-Dichloroethane	55X	U	U	5.0
cis-1,2-Dichloroethene	55	U	U	5.0
trans-1,2-Dichloroethene	53	U	U	5.0
Chloroform	56X	U	U	5.0
1,2-Dichloroethane	57X	U	U	5.0
2-Butanone	45X	U	6J	10
1,1,1-Trichloroethane	58X	U	U	5.0
Carbon Tetrachloride	58X	U	U	5.0
Bromodichloromethane	57X	U	U	5.0
1,2-Dichloropropane	51X	U	U	5.0
cis-1,3-Dichloropropene	55X	U	U	5.0
Trichloroethene	53X	U	.6J	5.0
Dibromochloromethane	58X	U	U	5.0
1,1,2-Trichloroethane	56X	U	U	5.0
Benzene	54X	U	U	5.0
trans-1,3-Dichloropropene	56X	U	U	5.0
Bromoform	57X	U	U	5.0
4-Methyl-2-Pentanone	49X	U	U	10
2-Hexanone	53X	U	U	10
Tetrachloroethene	55X	U	U	5.0
Toluene	53BX	2JB 5U	2JB 5U	5.0
1,1,2,2-Tetrachloroethane	52X	U	U	5.0
Chlorobenzene	55X	U	U	5.0
Ethylbenzene	55X	U	U	5.0
Styrene	54X	U	U	5.0
Xylene (total)	160X	U	U	5.0
Date Received	07/13/01	07/13/01	07/13/01	
Date Extracted	N/A	N/A	N/A	
Date Analyzed	07/18/01	07/18/01	07/18/01	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

TABLE SV-1.1
7001-1820A
ARCADIS/GERAGHTY & MILLER
TCL SEMI-VOLATILE ORGANICS

Soil

All values are ug/Kg dry weight basis.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	Method Blank SBLKIS SBLKIS 1.00	21G (21.5) 011820A-04 SBLKIS 1.53	21G (21.5) MS 011820A-04MS SBLKIS 1.55	Quant. Limits with no Dilution
Phenol	U	U	4800EX	39
bis(2-Chloroethyl)ether	U	U	U	35
2-Chlorophenol	U	U	4600EX	28
1,3-Dichlorobenzene	U	U	U	24
1,4-Dichlorobenzene	U	U	1800X	23
Benzyl Alcohol	U	U	U	110
1,2-Dichlorobenzene	U	U	U	25
2-Methylphenol	U	U	U	38
bis(2-Chloroisopropyl)ether	U	U	U	53
4-Methylphenol	U	U	U	50
Hexachloroethane	U	U	U	27
N-Nitroso-di-n-propylamine	U	U	2400X	27
Nitrobenzene	U	U	U	41
Isophorone	U	U	U	30
2-Nitrophenol	U	U	U	35
2,4-Dimethylphenol	U	U	U	39
enzoic Acid	U	U	U	660
is(2-Chloroethoxy)methane	U	U	U	34
2,4-Dichlorophenol	U	U	U	50
1,2,4-Trichlorobenzene	U	U	1900X	40
Naphthalene	U	U	U	25
4-Chloroaniline	U	U	U	56
Hexachlorobutadiene	U	U	U	39
4-Chloro-3-methylphenol	U	U	5000EX	43
2-Methylnaphthalene	U	U	U	28
Hexachlorocyclopentadiene	U	U	U	46
2,4,6-Trichlorophenol	U	U	U	44
2,4,5-Trichlorophenol	U	U	U	48
2-Chloronaphthalene	U	U	U	37
2-Nitroaniline	U	U	U	42
Acenaphthylene	U	U	U	29
Dimethylphthalate	U	U	U	21
2,6-Dinitrotoluene	U	U	U	30
3-Nitroaniline	U	U	U	40
Acenaphthene	U	U	2200X	28
Date Received		07/13/01	07/13/01	
Date Extracted	07/24/01	07/24/01	07/24/01	
Date Analyzed	07/26/01	07/27/01	07/27/01	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

TABLE SV-1.1
7001-1820A
ARCADIS/GERAGHTY & MILLER
TCL SEMI-VOLATILE ORGANICS

Soil

All values are ug/Kg dry weight basis.

Client Sample I.D.	Method Blank	21G (21.5)	21G (21.5) MS	Quant. Limits with no Dilution
Lab Sample I.D.	SBLKIS	011820A-04	011820A-04MS	
Method Blank I.D.	SBLKIS	SBLKIS	SBLKIS	
Quant. Factor	1.00	1.53	1.55	
2,4-Dinitrophenol	U	U	U	83
4-Nitrophenol	U	U	5000EX	99
Dibenzofuran	U	U	U	26
2,4-Dinitrotoluene	U	U	2400X	25
Fluorene	U	U	U	26
4-Chlorophenyl-phenylether	U	U	U	35
Diethylphthalate	U	U	U	19
4-Nitroaniline	U	U	U	34
4,6-Dinitro-2-methylphenol	U	U	U	36
N-Nitrosodiphenylamine (1)	U	U	U	17
4-Bromophenyl-phenylether	U	U	U	17
Hexachlorobenzene	U	U	U	18
Pentachlorophenol	U	U	4600EX	120
Phenanthrene	U	U	U	20
Carbazole	U	U	U	13
Anthracene	U	U	U	18
Di-n-butylphthalate	U	U	U	34
Fluoranthene	U	U	U	18
Pyrene	U	U	2400X	22
Butylbenzylphthalate	U	U	U	35
3,3'-Dichlorobenzidine	U	U	U	55
Benzo(a)anthracene	U	U	U	15
Chrysene	U	U	U	14
bis(2-Ethylhexyl)phthalate	U	55J	91J	71
Di-n-octylphthalate	U	U	U	46
Benzo(b)fluoranthene	U	U	U	44
Benzo(k)fluoranthene	U	U	U	33
Benzo(a)pyrene	U	U	U	19
Indeno(1,2,3-cd)pyrene	U	U	U	29
Dibenzo(a,h)anthracene	U	U	U	25
Benzo(g,h,i)perylene	U	U	U	33
Date Received		07/13/01	07/13/01	
Date Extracted	07/24/01	07/24/01	07/24/01	
Date Analyzed	07/26/01	07/27/01	07/27/01	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

TABLE SV-1.0
7001-1820A
ARCADIS/GERAGHTY & MILLER
TCL SEMI-VOLATILE ORGANICS

Aqueous

All values are ug/L.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	Method Blank SBLKAS SBLKAS 1.00	FB071201 011820A-13 SBLKAS 1.20		Quant. Limits with no Dilution
Phenol	U	U		0.40
bis(2-Chloroethyl)ether	U	U		1.3
2-Chlorophenol	U	U		1.2
1,3-Dichlorobenzene	U	U		0.90
1,4-Dichlorobenzene	U	U		1.0
Benzyl Alcohol	U	U		1.3
1,2-Dichlorobenzene	U	U		1.2
2-Methylphenol	U	U		1.1
bis(2-Chloroisopropyl)ether	U	U		1.3
4-Methylphenol	U	U		1.1
Hexachloroethane	U	U		1.0
N-Nitroso-di-n-propylamine	U	U		1.2
Nitrobenzene	U	U		1.1
Isophorone	U	U		1.0
2-Nitrophenol	U	U		1.1
2,4-Dimethylphenol	U	U		1.8
`enzoic Acid	U	U		22
is(2-Chloroethoxy)methane	U	U		1.3
2,4-Dichlorophenol	U	U		1.0
1,2,4-Trichlorobenzene	U	U		1.1
Naphthalene	U	U		1.1
4-Chloroaniline	U	U		1.0
Hexachlorobutadiene	U	U		0.90
4-Chloro-3-methylphenol	U	U		0.90
2-Methylnaphthalene	U	U		1.3
Hexachlorocyclopentadiene	U	U		1.3
2,4,6-Trichlorophenol	U	U		0.70
2,4,5-Trichlorophenol	U	U		0.90
2-Chloronaphthalene	U	U		1.2
2-Nitroaniline	U	U		0.90
Acenaphthylene	U	U		1.0
Dimethylphthalate	U	U		0.70
2,6-Dinitrotoluene	U	U		1.0
3-Nitroaniline	U	U		0.70
Acenaphthene	U	U		0.90
Date Received		07/13/01		
Date Extracted	07/19/01	07/19/01		
Date Analyzed	07/24/01	07/24/01		

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

All values are ug/L.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	Method Blank SBLKAS SBLKAS 1.00	FB071201 011820A-13 SBLKAS 1.20		Quant. Limits with no Dilution
2,4-Dinitrophenol	U	U		1.6
4-Nitrophenol	U	U		0.40
Dibenzofuran	U	U		1.0
2,4-Dinitrotoluene	U	U		0.70
Fluorene	U	U		0.80
4-Chlorophenyl-phenylether	U	U		0.70
Diethylphthalate	U	U		0.70
4-Nitroaniline	U	U		0.60
4,6-Dinitro-2-methylphenol	U	U		1.3
N-Nitrosodiphenylamine (1)	U	U		1.5
4-Bromophenyl-phenylether	U	U		0.90
Hexachlorobenzene	U	U		0.90
Pentachlorophenol	U	U		0.90
Phenanthrene	U	U		1.0
Carbazole	U	U		1.0
Anthracene	U	U		1.3
Di-n-butylphthalate	U	U		0.80
Fluoranthene	U	U		0.80
Pyrene	U	U		1.7
Butylbenzylphthalate	U	U		2.5
3,3'-Dichlorobenzidine	U	U		1.3
Benzo(a)anthracene	U	U		1.6
Chrysene	U	U		1.3
bis(2-Ethylhexyl)phthalate	U	U		3.1
Di-n-octylphthalate	U	U		1.0
Benzo(b)fluoranthene	U	U		1.0
Benzo(k)fluoranthene	U	U		1.1
Benzo(a)pyrene	U	U		0.80
Indeno(1,2,3-cd)pyrene	U	U		0.70
Dibenzo(a,h)anthracene	U	U		0.90
Benzo(g,h,i)perylene	U	U		0.80
Date Received Date Extracted Date Analyzed	 07/19/01 07/24/01	07/13/01 07/19/01 07/24/01		

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

0010

Soil

TABLE SV-1.2
7001-1820A
ARCADIS/GERAGHTY & MILLER
TCL SEMI-VOLATILE ORGANICS

All values are ug/Kg dry weight basis.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	21G (21.5) MSD 011820A-04 MSD SBLKIS 1.53	21G (26.5) 011820A-05 SBLKIS 1.29	REP-1 011820A-06 SBLKIS 1.05	Quant. Limits with no Dilution
Phenol	4600EX	U	U	39
bis(2-Chloroethyl)ether	U	U	U	35
2-Chlorophenol	4400EX	U	U	28
1,3-Dichlorobenzene	U	U	U	24
1,4-Dichlorobenzene	1600X	U	U	23
Benzyl Alcohol	U	U	U	110
1,2-Dichlorobenzene	U	U	U	25
2-Methylphenol	U	U	U	38
bis(2-Chloroisopropyl)ether	U	U	U	53
4-Methylphenol	U	U	U	50
Hexachloroethane	U	U	U	27
N-Nitroso-di-n-propylamine	2200X	U	U	27
Nitrobenzene	U	U	U	41
Isophorone	U	U	U	30
2-Nitrophenol	U	U	U	35
2,4-Dimethylphenol	U	U	U	39
Benzoic Acid	U	U	U	660
bis(2-Chloroethoxy)methane	U	U	U	34
2,4-Dichlorophenol	U	U	U	50
1,2,4-Trichlorobenzene	1800X	U	U	40
Naphthalene	U	U	U	25
4-Chloroaniline	U	U	U	56
Hexachlorobutadiene	U	U	U	39
4-Chloro-3-methylphenol	4900EX	U	U	43
2-Methylnaphthalene	U	U	U	28
Hexachlorocyclopentadiene	U	U	U	46
2,4,6-Trichlorophenol	U	U	U	44
2,4,5-Trichlorophenol	U	U	U	48
2-Chloronaphthalene	U	U	U	37
2-Nitroaniline	U	U	U	42
Acenaphthylene	U	21J	19J	29
Dimethylphthalate	U	U	U	21
2,6-Dinitrotoluene	U	U	U	30
3-Nitroaniline	U	U	U	40
Acenaphthene	2100X	U	U	28
Date Received	07/13/01	07/13/01	07/13/01	
Date Extracted	07/24/01	07/24/01	07/24/01	
Date Analyzed	07/27/01	07/27/01	07/27/01	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

TABLE SV-1.2
7001-1820A
ARCADIS/GERAGHTY & MILLER
TCL SEMI-VOLATILE ORGANICS

Soil

All values are ug/Kg dry weight basis.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	21G (21.5) MSD 011820A-04 MSD SBLKIS 1.53	21G (26.5) 011820A-05 SBLKIS 1.29	REP-1 011820A-06 SBLKIS 1.05	Quant. Limits with no Dilution
2,4-Dinitrophenol	U	U	U	83
4-Nitrophenol	4700EX	U	U	99
Dibenzofuran	U	U	U	26
2,4-Dinitrotoluene	2200X	U	U	25
Fluorene	U	U	U	26
4-Chlorophenyl-phenylether	U	U	U	35
Diethylphthalate	U	U	U	19
4-Nitroaniline	U	U	U	34
4,6-Dinitro-2-methylphenol	U	U	U	36
N-Nitrosodiphenylamine (1)	U	U	U	17
4-Bromophenyl-phenylether	U	U	U	17
Hexachlorobenzene	U	U	U	18
Pentachlorophenol	4300EX	U	U	120
Phenanthrene	U	100	70	20
Carbazole	U	U	U	13
Anthracene	U	39	31	18
Di-n-butylphthalate	U	U	U	34
Fluoranthene	U	160	120	18
Pyrene	2300X	220	160	22
Butylbenzylphthalate	U	50	42	35
3,3'-Dichlorobenzidine	U	U	U	55
Benzo(a)anthracene	U	130	98	15
Chrysene	U	150	120	14
bis(2-Ethylhexyl)phthalate	94J	2000	1700	71
Di-n-octylphthalate	U	U	U	46
Benzo(b)fluoranthene	U	130	100	44
Benzo(k)fluoranthene	U	110	74	33
Benzo(a)pyrene	U	150	110	19
Indeno(1,2,3-cd)pyrene	U	130	100	29
Dibenzo(a,h)anthracene	U	48	44	25
Benzo(g,h,i)perylene	U	160	140	33
Date Received	07/13/01	07/13/01	07/13/01	
Date Extracted	07/24/01	07/24/01	07/24/01	
Date Analyzed	07/27/01	07/27/01	07/27/01	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

Aqueous

TABLE GC-1.0
7001-1820A
ARCADIS/GERAGHTY & MILLER
8082 POLYCHLORINATED BIPHENYL'S

All values are ug/L.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	Method Blank 071801-B02 PBLK19 1.00	FB071201 011820A-13 PBLK19 1.28	PBLK19 QC2 071801-B02 QC2 PBLK19 1.00	Quant. Limits with no Dilution
Aroclor-1016	U	U	U	1.0
Aroclor-1221	U	U	U	2.0
Aroclor-1232	U	U	U	1.0
Aroclor-1242	U	U	4.4X	1.0
Aroclor-1248	U	U	U	1.0
Aroclor-1254	U	U	U	1.0
Aroclor-1260	U	U	5.2X	1.0
Date Received		07/13/01		
Date Extracted	07/18/01	07/18/01	07/18/01	
Date Analyzed	07/22/01	07/22/01	07/22/01	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

TABLE GC-1.1
7001-1820A
ARCADIS/GERAGHTY & MILLER
8082 POLYCHLORINATED BIPHENYL'S

Soil

All values are ug/Kg dry weight basis.

Client Sample I.D.	Method Blank	21G (21.5)	21G (21.5) MS	Quant. Limits with no Dilution
Lab Sample I.D.	071701-B04	011820A-04	011820A-04MS	
Method Blank I.D.	PBLK18	PBLK18	PBLK18	
Quant. Factor	1.00	1.03	1.05	
Aroclor-1016	U	U	U	33.
Aroclor-1221	U	U	U	67.
Aroclor-1232	U	U	U	33.
Aroclor-1242	U	U	U	33.
Aroclor-1248	U	U	U	33.
Aroclor-1254	U	U	U	33.
Aroclor-1260	U	U	72.X	33.
Date Received		07/13/01	07/13/01	
Date Extracted	07/17/01	07/17/01	07/17/01	
Date Analyzed	07/24/01	07/25/01	07/25/01	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

Soil

TABLE GC-1.2
7001-1820A
ARCADIS/GERAGHTY & MILLER
8082 POLYCHLORINATED BIPHENYL'S

All values are ug/Kg dry weight basis.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	21G (21.5) MSD 011820A-04 MSD PBLK18 1.03	21G (26.5) 011820A-05 PBLK18 1.06	REP-1 011820A-06 PBLK18 1.05	Quant. Limits with no Dilution
Aroclor-1016	U	U	U	33.
Aroclor-1221	U	U	U	67.
Aroclor-1232	U	U	U	33.
Aroclor-1242	U	U	U	33.
Aroclor-1248	U	U	U	33.
Aroclor-1254	U	U	U	33.
Aroclor-1260	65.X	1.1J	2.7J	33.
Date Received	07/13/01	07/13/01	07/13/01	
Date Extracted	07/17/01	07/17/01	07/17/01	
Date Analyzed	07/25/01	07/25/01	07/25/01	

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

Soil

TABLE GC-1.3
7001-1820A
ARCADIS/GERAGHTY & MILLER
8082 POLYCHLORINATED BIPHENYL'S

All values are ug/Kg dry weight basis.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	PBLK18 QC2 071701-B04 QC2 PBLK18 1.00			Quant. Limits with no Dilution
Aroclor-1016	U			33.
Aroclor-1221	U			67.
Aroclor-1232	U			33.
Aroclor-1242	140X			33.
Aroclor-1248	U			33.
Aroclor-1254	U			33.
Aroclor-1260	170X			33.
Date Received Date Extracted Date Analyzed	 07/17/01 07/24/01			

See Appendix for qualifier definitions
Note: Compound detection limit = quantitation limit x quantitation factor
Quant. Factor = a numerical value which takes into account any variation in sample weight/volume, % moisture and sample dilution.

Aqueous

TABLE AS-1.0
7001-1820A
ARCADIS/GERAGHTY & MILLER
PRIORITY POLLUTANT METALS

All values are ug/L.

Client Sample I.D.	FB071201			
Lab Sample I.D.	011820A-13			
Antimony	4.4UJ			
Arsenic	4.2U			
Beryllium	0.50U			
Cadmium	0.90U			
Chromium	0.80UJ			
Copper	1.6U			
Lead	2.0U			
Mercury	1.0			
Nickel	1.3U			
Selenium	4.9U			
Silver	1.0UJ			
Thallium	9.1U			
Zinc	25.2B			

See Appendix for qualifier definitions

8/14/97

Soil

TABLE AS-1.1
7001-1820A
ARCADIS/GERAGHTY & MILLER
PRIORITY POLLUTANT METALS

All values are mg/Kg dry weight basis.

Client Sample I.D.	21G (0-1)	21G (4-5)	21G (9-10)	21G (21.5)
Lab Sample I.D.	011820A-01	011820A-02	011820A-03	011820A-04
Antimony	NR	NR	NR	0.85UN
Arsenic	NR	NR	NR	2.4B
Beryllium	NR	NR	NR	0.44B
Cadmium	NR	NR	NR	0.17U
Chromium	NR	NR	NR	37.0*
Copper	15.4	11.3	392.	15.4
Lead	NR	NR	NR	3.2B
Mercury	NR	NR	NR	0.0029U
Nickel	NR	NR	NR	38.6
Selenium	NR	NR	NR	0.94U
Silver	NR	NR	NR	0.19U
Thallium	NR	NR	NR	1.8U
Zinc	22.7	18.5	138.	37.5

See Appendix for qualifier definitions

TABLE AS-1.2 0018 Soil
7001-1820A
ARCADIS/GERAGHTY & MILLER
PRIORITY POLLUTANT METALS

All values are mg/Kg dry weight basis.

Client Sample I.D.	21G (21.5) D	21G (21.5) S	21G (26.5)	REP-1
Lab Sample I.D.	011820A-04D	011820A-04S	011820A-05	011820A-06
Antimony	0.84U	60.2N	0.85UN	0.84UN
Arsenic	0.83B	8.8	2.6B	2.1B
Beryllium	0.37B	9.6	0.33B	0.31B
Cadmium	0.17U	0.72B	0.17U	0.17U
Chromium	26.9*	66.6	24.6* J	42.9* J
Copper	10.0	57.9	98.5 J	60.8 J
Lead	1.9B	6.6	8.0	7.4
Mercury	0.0028U	0.036	0.018 U	0.019 U
Nickel	30.2	127.	17.0	16.0
Selenium	0.94U	1.5B	0.94U	0.94U
Silver	0.19U	8.9	0.19U	0.19U
Thallium	1.7U	10.4B	1.8U	1.7U
Zinc	33.2	132.	103.	98.6

See Appendix for qualifier definitions

AP 8/14/01

TABLE AS-1.3
7001-1820A
ARCADIS/GERAGHTY & MILLER
PRIORITY POLLUTANT METALS

Soil

All values are mg/Kg dry weight basis.

Client Sample I.D.	21H (0-1)	21H (4-5)	21H (9-10)	21I (0-1)
Lab Sample I.D.	011820A-07	011820A-08	011820A-09	011820A-10
Antimony	NR	NR	NR	NR
Arsenic	NR	NR	NR	NR
Beryllium	NR	NR	NR	NR
Cadmium	NR	NR	NR	NR
Chromium	NR	NR	NR	NR
Copper	18.3	201.	72.5	14.1
Lead	NR	NR	NR	NR
Mercury	NR	NR	NR	NR
Nickel	NR	NR	NR	NR
Selenium	NR	NR	NR	NR
Silver	NR	NR	NR	NR
Thallium	NR	NR	NR	NR
Zinc	27.1	66.9	59.5	23.5

See Appendix for qualifier definitions

Soil

TABLE AS-1.4
7001-1820A
ARCADIS/GERAGHTY & MILLER
PRIORITY POLLUTANT METALS

All values are mg/Kg dry weight basis.

Client Sample I.D.	21I (4-5)	21I (9-10)	15D	15E
Lab Sample I.D.	011820A-11	011820A-12	011820A-15	011820A-16
Antimony	NR	NR	NR	NR
Arsenic	NR	NR	NR	NR
Beryllium	NR	NR	NR	NR
Cadmium	NR	NR	NR	NR
Chromium	NR	NR	18.0* J	12.8* J
Copper	6.6	14.2	NR	NR
Lead	NR	NR	NR	NR
Mercury	NR	NR	0.16	0.032 U
Nickel	NR	NR	NR	NR
Selenium	NR	NR	NR	NR
Silver	NR	NR	NR	NR
Thallium	NR	NR	NR	NR
Zinc	25.2	19.1	29.5	21.0

See Appendix for qualifier definitions

Soil

TABLE AS-1.5
7001-1820A
ARCADIS/GERAGHTY & MILLER
PRIORITY POLLUTANT METALS

All values are mg/Kg dry weight basis.

Client Sample I.D.	15F	15G	15H	15I
Lab Sample I.D.	011820A-17	011820A-18	011820A-19	011820A-20
Antimony	NR	NR	NR	NR
Arsenic	NR	NR	NR	NR
Beryllium	NR	NR	NR	NR
Cadmium	NR	NR	NR	NR
Chromium	23.8* J	14.6* J	19.8* J	14.3* J
Copper	NR	NR	NR	NR
Lead	NR	NR	NR	NR
Mercury	0.070	0.032 U	0.085	0.22
Nickel	NR	NR	NR	NR
Selenium	NR	NR	NR	NR
Silver	NR	NR	NR	NR
Thallium	NR	NR	NR	NR
Zinc	63.5	25.1	29.4	52.9

See Appendix for qualifier definitions

SEVERN TRENT SERVICES

STL Connecticut

ORGANICS APPENDIX

U – Indicates that the compound was analyzed for but not detected.

J – Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.

B – This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.

N – Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.

S – Estimated due to surrogate outliers.

X – Matrix spike compound.

(1) - Cannot be separated

(2) – Decomposes to azobenzene. Measured and calibrated as azobenzene.

A – This flag indicates that a TIC is a suspected aldol condensation product.

E – Indicates that it exceeds calibration curve range.

D – This flag identifies all compounds identified in an analysis at a secondary dilution factor.

C – Confirmed by GC/MS.

T – Compound present in TCLP blank.

P – This flag is used for a pesticide/aroclor target analyte when there is a greater than 25 percent difference for detected concentrations between the two GC columns (see Form X).

SEVERN TRENT SERVICES

STL Connecticut

ORGANICS APPENDIX

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STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut
Certification Summary (as of February 2001)

Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	Chemistry...Non-Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Washington	Department of Ecology	Wastewater/Hazardous Waste	C231
Wisconsin	Department of Natural Resources	Wastewater	998355710

7001-1820A
ARCADIS/GERAGHTY & MILLER
SAMPLE SUMMARY

CLIENT ID	LAB ID	MATRIX	DATE COLLECTED	DATE RECEIVED
21G (0-1)	011820A-01	SOIL	07/12/01	07/13/01
21G (4-5)	011820A-02	SOIL	07/12/01	07/13/01
21G (9-10)	011820A-03	SOIL	07/12/01	07/13/01
21G (21.5)	011820A-04	SOIL	07/12/01	07/13/01
21G (21.5)	011820A-04D	SOIL	07/12/01	07/13/01
21G (21.5)	011820A-04MS	SOIL	07/12/01	07/13/01
21G (21.5)	011820A-04MSB	SOIL	07/12/01	07/13/01
21G (21.5)	011820A-04MSD	SOIL	07/12/01	07/13/01
21G (21.5)	011820A-04S	SOIL	07/12/01	07/13/01
21G (26.5)	011820A-05	SOIL	07/12/01	07/13/01
REP-1	011820A-06	SOIL	07/12/01	07/13/01
21H (0-1)	011820A-07	SOIL	07/12/01	07/13/01
21H (4-5)	011820A-08	SOIL	07/12/01	07/13/01
21H (9-10)	011820A-09	SOIL	07/12/01	07/13/01
21I (0-1)	011820A-10	SOIL	07/12/01	07/13/01
21I (4-5)	011820A-11	SOIL	07/12/01	07/13/01
21I (9-10)	011820A-12	SOIL	07/12/01	07/13/01
FB071201	011820A-13	WATER	07/12/01	07/13/01
TB071201	011820A-14	WATER	07/12/01	07/13/01
15D	011820A-15	SOIL	07/12/01	07/13/01
15E	011820A-16	SOIL	07/12/01	07/13/01
15F	011820A-17	SOIL	07/12/01	07/13/01
15G	011820A-18	SOIL	07/12/01	07/13/01
15H	011820A-19	SOIL	07/12/01	07/13/01
15I	011820A-20	SOIL	07/12/01	07/13/01

STL CT ANALYTICAL SUMMARY

Client ID: 15D, 15E, 15F, 15G, 15H, 15I, 21G (0-1), 21G (21.5), 21G (26.5), 21G (4-5), 21G (9-10), 21H (0-1), 21H (4-5), 21H (9-10), 21I (0-1), 21I (4-5), 21I (9-10), FB071201, REP-1, TB071201
Job Number: 7001-1820A

Date: 8/1/101

Qty	Matrix	Analysis	Description
1	None	DISK	Diskette Prep.
1	None	DISK-2	Diskette Prep.
3	SOIL	BNA-N8270C-TCL	TCL Semi-Volatile Or
	SOIL	BNA-N8270C-TCL	TCL Semi-Volatile Or
9	SOIL	CR-NSW846	Chromium
9	SOIL	CU-NSW846	Copper
6	SOIL	HG-NSW846	Mercury
2	SOIL	MET-NSW846-PP	Pri Pol Metals
3	SOIL	MET-NSW846-PP	Pri Pol Metals
15	SOIL	MET-PREP-ICAP	Metals ICAP Prep
3	SOIL	PCB-N8082	PCB's
3	SOIL	PCB-N8082	PCB's
3	SOIL	VOA-N8260B-TCL	TCL Volatile Organic
3	SOIL	VOA-N8260B-TCL	TCL Volatile Organic
15	SOIL	ZN-NSW846	Zinc
1	WATER	BNA-N8270C-TCL	TCL Semi-Volatile Or
1	WATER	MET-NSW846-PP	Pri Pol Metals
1	WATER	PCB-N8082	PCB's
2	WATER	VOA-N8260B-TCL	TCL Volatile Organic

ARCADIS GERAGHTY&MILLER

Laboratory Task Order No./P.O. No.______

CHAIN-OF-CUSTODY RECORD

Page ___ of ___

7001-1820A

Project Number/Name NY001227.0017.00001
Project Location LAKE SUCCESS NY.
Laboratory SEVERN-TRENT SHELTON
Project Manager BILL HOLUBOWICH
Sampler(s)/Affiliation G. WILLIAMS

4°C

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	2oz JAR VOC 8240/8021	8oz JAR SVOC, PPM, PCB (8270)(8080)(6010)	8oz JAR Cu Zn (6010)	40ml VOA VOC 8240/8021	1L AMBER SVOC (8270) PCB (8080)	500ml PLASTIC PPMETALS 6010 (7470)	Remarks	Total
21G (0-1)	S	7-12-01	01			1					1
21G (4-5)	|	|	02			1					1
21G (9-10)	|	|	03			1					1
21G (21.5)	|	|	04	2*	2*						4
21G (26.5)	|	|	05	1	1						2
REP-1	|	|	06	1	1						2
21H (0-1)	|	|	07			1					1
21H (4-5)	|	|	08			1					1
21H (9-10)	|	|	09			1					1
21I (0-1)	|	|	10			1					1
21I (4-5)	|	|	11			1					1
21I (9-10)	|	|	12			1					1
FB 7-12-01	L	|	13				2	4	1		7
TB 7-12-01	L	|	14				2				2

Sample Matrix: L = Liquid; S = Solid; A = Air

"PASSED RAD SCREEN"

Total No. of Bottles/Containers: 26

Relinquished by: [signature]	Organization: ARCADIS G+M	Date 7/13/01	Time 12:00	Seal Intact? Yes No N/A
Received by: [signature]	Organization: STL-CT	Date 7/13/01	Time 14:45	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks:
* PLEASE USE THIS SAMPLE FOR ALL MS/MSD QA/QC SAMPLE
REPORT TO BILL HOLUBOWICH
RESULTS MUST BE AT CLOSURE PERFORMANCE STANDARDS!!!

Delivery Method: ☒ In Person ☐ Common Carrier ______ (SPECIFY) ☐ Lab Courier ☐ Other ______ (SPECIFY)

0027

AG 05-0597

ARCADIS GERAGHTY&MILLER

Laboratory Task Order No./P.O. No.

CHAIN-OF-CUSTODY RECORD

Page ___ of ___

7001-1820A

Project Number/Name NY001227.0017.00001
Project Location LAKE SUCCESS NY
Laboratory SEVERN TRENT SHELTON
Project Manager BILL HOLUBOWICH
Sampler(s)/Affiliation G. WILLIAMS

ANALYSIS / METHOD / SIZE

05°C

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	8OZ JAR 7471 Cr Hs Zn 6010	8OZ JAR As (6010)					Remarks	Total
15D	S	7-12-01	15	1							1
15E			16	1							1
15F			17	1							1
15G			18	1							1
15H			19	1							1
15I			20	1							1
26E			—		1						1
26F			—		1						1

Sample Matrix: L = Liquid; S = Solid; A = Air

"PASSED RAD SCREEN"

Total No. of Bottles/Containers 8

Relinquished by: [signature]	Organization: ARCADIS G&M	Date 7/13/	Time	Seal Intact? Yes No N/A
Received by: [signature]	Organization: STL-CT	Date 7/13/01	Time 14:45	
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

Special Instructions/Remarks:
REPORT TO BILL HOLUBOWICH
REPORTS MUST BE TO CLOSURE PERFORMANCE STANDARDS!!!

Delivery Method: ☒ In Person ☐ Common Carrier ______ SPECIFY ☐ Lab Courier ☐ Other ______ SPECIFY

0028

SAMPLE RECEIPT CHECKLIST

STL CT Job No. 7001-1820A Date Received: 7/13/01

Client: G & Miller Project: NY001227.0017.00001

A. Preliminary Examination

Cooler opened by: DeLroy Robinson Signature: DR

1. Did cooler(s) come with a shipping airbill?..... Yes (No) N/A

   Name of courier and/or airbill no. Client

2. Were custody seals on outside of cooler(s)?..... (Yes) No N/A

3. Were custody seals tamper evident?..... Yes (No) N/A

   Seal Date_____

4. Were custody seals intact upon arrival to lab?..... (Yes) No N/A

5. Were samples screened for radioactivity and COC stamped?..... (Yes) No N/A

6. Were COCs included, filled out properly in ink, and signed in the field?... (Yes) No N/A

7. Were COCs signed and dated properly upon lab receipt?..... (Yes) No N/A

8. If required, did cooler(s) show evidence of cooling?..... (Yes) No N/A

   Type of coolant used: (Loose ice) Bagged ice Ice packs Other:_____

   Temperature of cooler(s) on receipt: 04°C/05°C

   Source of temperature reading (check one) Temp blank (Sample)

9. If necessary, was the lab notified of any short holding times?..... Yes (No) N/A

10. Initial and date this form to acknowledge receipt of cooler(s): (initials) DR (Date) 7/13/01

B. Log-in Date of login: 7/13/01

Logged in by: DeLroy Robinson Signature: DR

10. Describe type of packing in cooler(s): (Bubble wrap) Vermiculite Other_____

12. Did all bottles arrive intact with legible labels in good condition?..... (Yes) No N/A

13. Was all required bottle label information complete?..... (Yes) No N/A

14. Did all bottle labels agree with COCs?..... (Yes) No N/A

15. Were samples checked for residual chlorine and correct preservatives? (Yes) No N/A

    Was Preservative Log filled out (Yes) No N/A

16. Was enough volume submitted for the indicated tests?..... (Yes) No N/A

17. Were bubbles present in any VOA vials?..... Yes (No) N/A

    If yes, list by sample number_____

18. If necessary, has CAR been issued to QA manager?..... Yes (No) N/A

STL/CT PRESERVATIVE RECORD

Job Number: 7001-1820A
Client: GS miller
Client Project: N400/227.0007-000

Lab Number	Preservative	pH	Adjustment	Chlorine Residual	Initials	Date
013	HNO_3	<2	—	PASSED	DR	7/12/01

7/12/01
DR

0030

STL Form# SMF00202.CT

Severn [illegible]nt - Connecticut
Internal Chain-of-Custody

Client: G&Miller

STL Job #: 7001-1820A

Trip Blank: 2

Date Received: 7/13/01

QC: 04

Sample #s: 01-20

Project #: NY001227.007.00001

Locations: 34K, 89, A9, 12E

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
4,5,6	ML	EL	7/17/01	9:20	EXT				
13	ML	KW	7/17	1030	mtS	KW	ML	7/17	16:25
13-14	ML	[illegible]	7/17	9040	VOA	used			
3	ML	[illegible]	7/18	9:15	EXT				
1-20	ML	KW	7/18	9:30	mtS	KW	ML	7/18	14:10
13	ML		7/18	0940	H8				
4-6	ML	M. Crow	7/18/01	1310	VOA	M. Crow	ML	7/20/01	1313
13	ML	DCP	7/19	9:15	BNA	used			
4-6	ML	DCP	7/24	9:25	BNA	DCP	ML	7/25	9:10
4-6, 15-20	ML	GB	7/24	1000	H8	GB	ML	7/25	1000

0031

STL Form# SMF00505.CT

STL

GC-GC/MS Extract Chain of Custody

Fraction: (BNA) Pesticide-PCB / Herbicide / O/P Pesticide / DRO / Other (Circle one)

CLIENT: G+M

JOB NO: 1820 A

SAMPLE IN (Extractions)					SAMPLE IN (Extractions)				
Sample(s)	Date	Time	Sign.	Location	Sample(s)	Date	Time	Sign.	Location
13	7/13	1100	[illegible]	29					
4+6, 1MS, MSD, MSB	7/26	1525	DCP	29					

SAMPLE OUT					SAMPLE IN			
Sample(s)	Date	Time	Code	Sign.	Date	Time	Location	Sign.
13	07/24/01	1100	AN	EM	07/24/01	1230	29	EM
04-16, 04DC	07/26/01	1645	AN	EM	07/26/01	1810	29	EM

Codes: SC = Screening AN = Analysis

Verified By: [signature]

Date: 7/30/01

Lab Form: SMF01201.CT

STL

GC-GC/MS Extract Chain of Custody

Fraction: BNA / Pesticide-PCB / Herbicide / O/P Pesticide / DRO / Other (Circle one)

CLIENT: GM

JOB NO: 1820A

SAMPLE IN (Extractions)					SAMPLE IN (Extractions)				
Sample(s)	Date	Time	Sign.	Location	Sample(s)	Date	Time	Sign.	Location
4-6	7/17	18:40	APP	50					
4MS/MSD/MSD	7/17	18:40	APP	50					
13	7/19	17:00	EL	50					

SAMPLE OUT					SAMPLE IN			
Sample(s)	Date	Time	Code	Sign.	Date	Time	Location	Sign.
13	7/19	17:30	SC	BL	7/19	18:00	SC	BL
4-6	7/24	15:00	SC	BL	7/24	16:00	SC	BL

Codes: SC = Screening AN = Analysis

Verified By: [signature]

Date: 7/30/01

Lab Form: SMF01201.CT

...mitted To *Your* Success

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

... Number 1820A Sample Numbers 13

(WATER) - SOIL - SLUDGE - EPTOX/TCLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of this preparation:

Sample Prep		
Kathie Wilczak	7/18/01	ICP/FLME
		FURN
		MERCURY
Chemist	Date(s)	

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis	7/19/01	ICP
		FLAME
		FURN
		MERCURY
Chemist	Date(s)	

I have reviewed and authorize the release of this job:

Complete		7/24/01
Supervisor		Date

Batch Assignment

mmitted To *Your* Success

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

0035

Job Number 1820A Sample Numbers 01-12, 15-20

WATER - (SOIL) - SLUDGE - EPTOX/TCLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of this preparation:

Sample Prep			
	Kathrin Wilczak	7/18/01	ICP/FLME
			FURN
			MERCURY
	Chemist	Date(s)	

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis	[illegible]	7/19/01	ICP
			FLAME
			FURN
			MERCURY
	Chemist	Date(s)	

I have reviewed and authorize the release of this job:

Complete	[illegible]	7/26/01
	Supervisor	Date

Batch Assignment _____

Other Laboratory Locations:

- 149 Rangeway Road, North Billerica MA 01862
- 16203 Park Row, Suite 110, Houston TX 77084
- 120 Southpointe Court, Suite 300 Morrisville NC 27560
- 315 Fullerton Avenue Newburgh NY 12550
- 11 Cost Ohio Road Pensacola FL 32514
- Hartford Corporate Park, 53 Southampton Road Westfield MA 01085

a part of

mmitted To *Your* Success

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number 011820A Sample Numbers 13

(WATER) - SOIL - SLUDGE - EPTOX/TCLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of this preparation:

Sample Prep		
		ICP/FLME
		FURN
Chemist	Date(s)	MERCURY

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis		ICP
		FLAME
		FURN
Chemist	Date(s)	MERCURY

I have reviewed and authorize the release of this job:

Complete	Supervisor	Date

Batch Assignment

mmitted To *Your* Success

CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Number 011820A Sample Numbers 04-06, 15-20

WATER (SOIL) SLUDGE - EPTOX/TCLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the release of this preparation:

Sample Prep			
			ICP/FLME
			FURN
	Gerdy Bao	07-24-01	MERCURY
	Chemist	Date(s)	

I confirm that I have performed the analysis below following SOP guidelines and authorize the release of all associated data:

Analysis			ICP
			FLAME
			FURN
	Gerdy Bao	07-24-01	MERCURY
	Chemist	Date(s)	

I have reviewed and authorize the release of this job:

Complete	[signature]	7/26/01
	Supervisor	Date

Batch Assignment _____

IEA / CT
LABORATORY CHRONICLE

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA) ANALYSIS

JOB #: **7001-1820A**

SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED	DATE EXTRACTED	DATE ANALYZED
21G (21.5)	SOIL	07/12/01	07/13/01	N/A	07/18/01
21G (26.5)	SOIL	07/12/01	07/13/01		
REP-1	SOIL	07/12/01	07/13/01		
FB071201	WATER	07/12/01	07/13/01		07/17/01
TB071201	WATER	07/12/01	07/13/01		

Section Supervisor (signature) _____

Review & Approval (printed name) Lawrence H. Decker

(Date) 07/23/01

QC Supervisor (signature) _____

Review & Approval (printed name) _____

(Date) ___/___/___

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDES/PCB
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
011820A-04	SOIL	07/12/01	07/13/01	7/17/01	7/25/01
011820A-05	SOIL	07/12/01	07/13/01	↓	↓
011820A-06	SOIL	07/12/01	07/13/01	↓	↓
011820A-13	WATER	07/12/01	07/13/01	7/18/01	7/22/01

IEA / CT
LABORATORY CHRONICLE

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

JOB #: **7001-1820A**

SAMPLE ID	MATRIX	LIST REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
21G (0-1)	SOIL	CU-NSW846	07/13/01	7/18/01	7/19/01
21G (0-1)	SOIL	ZN-NSW846	07/13/01		
21G (4-5)	SOIL	CU-NSW846	07/13/01		
21G (4-5)	SOIL	ZN-NSW846	07/13/01		
21G (9-10)	SOIL	CU-NSW846	07/13/01		
21G (9-10)	SOIL	ZN-NSW846	07/13/01		
21G (21.5)	SOIL	MET-NSW846-PP	07/13/01		
21G (26.5)	SOIL	MET-NSW846-PP	07/13/01		
REP-1	SOIL	MET-NSW846-PP	07/13/01		
21H (0-1)	SOIL	CU-NSW846	07/13/01		
21H (0-1)	SOIL	ZN-NSW846	07/13/01		
21H (4-5)	SOIL	CU-NSW846	07/13/01		
21H (4-5)	SOIL	ZN-NSW846	07/13/01		
21H (9-10)	SOIL	CU-NSW846	07/13/01		
21H (9-10)	SOIL	ZN-NSW846	07/13/01		
21I (0-1)	SOIL	CU-NSW846	07/13/01		
21I (0-1)	SOIL	ZN-NSW846	07/13/01		
21I (4-5)	SOIL	CU-NSW846	07/13/01		
21I (4-5)	SOIL	ZN-NSW846	07/13/01		
21I (9-10)	SOIL	CU-NSW846	07/13/01		
21I (9-10)	SOIL	ZN-NSW846	07/13/01		
FB071201	WATER	MET-NSW846-PP	07/13/01		

Section Supervisor (signature) _____

Review & Approval (printed name) _____

(Date) 7/22/01

QC Supervisor (signature) _____

Review & Approval (printed name) _____

(Date) ___/___/___

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKM1	99	84	89		0
02	020ppb QCS	104	95	96		0
03	FB071201	102	94	94		0
04	TB071201	102	95	101		0
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25		✓	✓	✓		
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (85-116)
SMC2 (BFB) = Bromofluorobenzene (78-120)
SMC3 (DCE) = 1,2-Dichloroethane-d4 (71-129)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKOA	92	94	78		0
02	020 ppbQCS	92	90	79		0
03	21G (21.5)	89	95	84		0
04	21G (26.5)	92	92	83		0
05	REP-1	92	93	85		0
06	1G (21.5) FMS	93	88	91		0
07	G (21.5) FMSD	92	88	86		0
08	G (21.5) FMSB	93	90	89		0
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21				✓		
22						
23		✓	✓			
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(51-137)
SMC2 (BFB)	= Bromofluorobenzene	(36-133)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(49-134)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3-ASP

SOIL VOLATILE SPIKE/SPIKE DUPLICATE RECOVERY SUMMARY 0043

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: 21G (21.5) Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	SPIKE CONCENTRATION (ug/Kg)	SPIKE % REC #	QC. LIMITS REC.
Chloromethane	54	0	42	78	32-191
Bromomethane	54	0	54	100	34-190
Vinyl Chloride	54	0	45	83	23-192
Chloroethane	54	0	56	104	49-222
Methylene Chloride	54	12	51	72	64-158
Acetone	54	5	47	78	0-398
Carbon Disulfide	54	.3	51	94	55-133
Vinyl Acetate	54	0	27	50	0-163
1,1-Dichloroethene	54	0	56	104	79-152
1,1-Dichloroethane	54	0	55	102	83-134
1,2-Dichloroethene (total)	110	0	110	100	82-128
Chloroform	54	0	59	109	65-126
1,2-Dichloroethane	54	0	59	109	50-132
2-Butanone	54	0	48	89	0-393
1,1,1-Trichloroethane	54	0	57	106	44-139
Carbon Tetrachloride	54	0	58	107	34-137
Bromodichloromethane	54	0	56	104	59-130
1,2-Dichloropropane	54	0	53	98	84-161
cis-1,3-Dichloropropene	54	0	56	104	72-116
Trichloroethene	54	0	52	96	72-129
Dibromochloromethane	54	0	58	107	57-129
1,1,2-Trichloroethane	54	0	55	102	72-136
Benzene	54	0	52	96	83-130
trans-1,3-Dichloropropene	54	0	54	100	59-117
Bromoform	54	0	57	106	36-144
4-Methyl-2-Pentanone	54	0	47	87	39-214
2-Hexanone	54	0	50	92	83-256
Tetrachloroethene	54	0	53	98	41-143
Toluene	54	.9	51	93	77-126
1,1,2,2-Tetrachloroethane	54	0	51	94	58-167

Column to be used to flag recovery with an asterisk

* Values outside of QC limits.

Spike Recovery: 0 out of 68 outside limits

COMMENTS: _____

SOIL VOLATILE SPIKE/SPIKE DUPLICATE RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: 21G (21.5) Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	SPIKE CONCENTRATION (ug/Kg)	SPIKE % REC #	QC. LIMITS REC.
Chlorobenzene	54	0	54	100	82-126
Ethylbenzene	54	0	53	98	79-131
Styrene	54	0	53	98	81-121
Xylene (total)	160	.4	160	100	81-126
					-
					-
					-
					-
					-
					-
				✓	-
					-
					-
					-
					-
					-
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Column to be used to flag recovery with an asterisk

* Values outside of QC limits.

Spike Recovery: 0 out of 68 outside limits

COMMENTS: _____

SOIL VOLATILE SPIKE/SPIKE DUPLICATE RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: 21G (21.5) Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chloromethane	55	40	73	7	20	32-191
Bromomethane	55	60	109	9	20	34-190
Vinyl Chloride	55	43	78	6	20	23-192
Chloroethane	55	55	100	4	20	49-222
Methylene Chloride	55	48	65	10	20	64-158
Acetone	55	40	64	20	20	0-398
Carbon Disulfide	55	50	90	4	20	55-133
Vinyl Acetate	55	20	36	32*	20	0-163
1,1-Dichloroethene	55	53	96	8	20	79-152
1,1-Dichloroethane	55	55	100	2	20	83-134
1,2-Dichloroethene (total)	110	110	100	0	20	82-128
Chloroform	55	56	102	7	20	65-126
1,2-Dichloroethane	55	57	104	5	20	50-132
2-Butanone	55	45	82	8	20	0-393
1,1,1-Trichloroethane	55	58	105	1	20	44-139
Carbon Tetrachloride	55	58	105	2	20	34-137
Bromodichloromethane	55	57	104	0	20	59-130
1,2-Dichloropropane	55	51	93	5	20	84-161
cis-1,3-Dichloropropene	55	55	100	4	20	72-116
Trichloroethene	55	53	96	0	20	72-129
Dibromochloromethane	55	58	105	2	20	57-129
1,1,2-Trichloroethane	55	56	102	0	20	72-136
Benzene	55	54	98	2	20	83-130
trans-1,3-Dichloropropene	55	56	102	2	20	59-117
Bromoform	55	57	104	2	20	36-144
4-Methyl-2-Pentanone	55	49	89	2	20	39-214
2-Hexanone	55	53	96	4	20	83-256
Tetrachloroethene	55	55	100	2	20	41-143
Toluene	55	53	95	2	20	77-126
1,1,2,2-Tetrachloroethane	55	52	94	0	20	58-167

Column to be used to flag recovery with an asterisk

* Values outside of QC limits.

RPD: 1 out of 34 outside limits
Spike Recovery: 0 out of 68 outside limits
COMMENTS: _____

3-ASP

SOIL VOLATILE SPIKE/SPIKE DUPLICATE RECOVERY SUMMARY 0046

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: 21G (21.5) Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chlorobenzene	55	55	100	0	20	82-126
Ethylbenzene	55	55	100	2	20	79-131
Styrene	55	54	98	0	20	81-121
Xylene (total)	170	160	94	6	20	81-126
						-
						-
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						-
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						-
						-

Column to be used to flag recovery with an asterisk

* Values outside of QC limits.

RPD: 1 out of 34 outside limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS: _____

3-ASP
VOLATILE MATRIX SPIKE BLANK RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: 21G (21.5) Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	SPIKE CONCENTRATION (ug/Kg)	SPIKE % REC #	QC. LIMITS REC.
Chloromethane	50	0	42	84	32-191
Bromomethane	50	0	44	88	34-190
Vinyl Chloride	50	0	43	86	23-192
Chloroethane	50	0	54	108	49-222
Methylene Chloride	50	4	41	74	64-158
Acetone	50	4	36	64	0-398
Carbon Disulfide	50	0	49	98	55-133
Vinyl Acetate	50	0	56	112	0-163
1,1-Dichloroethene	50	0	51	102	79-152
1,1-Dichloroethane	50	0	52	104	83-134
1,2-Dichloroethene (total)	100	0	100	100	[illegible]-128
Chloroform	50	0	53	106	65-126
1,2-Dichloroethane	50	0	54	108	50-132
2-Butanone	50	0	47	94	0-393
1,1,1-Trichloroethane	50	0	53	106	44-139
Carbon Tetrachloride	50	0	54	108	34-137
Bromodichloromethane	50	0	53	106	59-130
1,2-Dichloropropane	50	0	48	96	84-161
cis-1,3-Dichloropropene	50	0	52	104	72-116
Trichloroethene	50	0	51	102	72-129
Dibromochloromethane	50	0	54	108	57-129
1,1,2-Trichloroethane	50	0	52	104	72-136
Benzene	50	0	50	100	83-130
trans-1,3-Dichloropropene	50	0	52	104	59-117
Bromoform	50	0	54	108	36-144
4-Methyl-2-Pentanone	50	0	48	96	39-214
2-Hexanone	50	0	50	100	83-256
Tetrachloroethene	50	0	52	104	41-143
Toluene	50	.9	49	96	77-126
1,1,2,2-Tetrachloroethane	50	0	49	98	58-167

Column to be used to flag recovery with an asterisk ✓

* Values outside of QC limits.

Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3-ASP
VOLATILE MATRIX SPIKE BLANK RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: 21G (21.5) Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	SPIKE CONCENTRATION (ug/Kg)	SPIKE % REC #	QC. LIMITS REC.
Chlorobenzene	50	0	51	102	82-126
Ethylbenzene	50	0	50	100	79-131
Styrene	50	0	51	102	81-121
Xylene (total)	150	0	150	100	81-126
					-
					-
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Column to be used to flag recovery with an asterisk

* Values outside of QC limits.

Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

QCS Spike Summary

Spike: M5150.D

Compound	Spike Amount	Spike Result	Rec	Low	High
Chloromethane	20	8	40	29	96
Bromomethane	20	16	80	41	109
Vinyl Chloride	20	11	55	49	135
Chloroethane	20	23	115	51	152
Methylene Chloride	20	20	100	55	162
Acetone	20	17	85	20	359
Carbon Disulfide	20	19	95	12	146
Vinyl Acetate	20	8	40	0	128
1,1 Dichloroethene	20	21	105	46	161
1,1-Dichloroethane	20	20	100	59	145
cis-1,2-Dichloroethene	20	15	75	55	149
trans-1,2-Dichloroethene	20	20	100	42	159
Chloroform	20	21	105	63	143
1,2-Dichloroethane	20	20	100	55	134
2-Butanone	20	12	60	46	179
1,1,1-Trichloroethane	20	21	105	61	137
Carbon Tetrachloride	20	22	110	50	154
Bromodichloromethane	20	20	100	65	139
1,2-Dichloropropane	20	19	95	72	141
cis-1,3-Dichloropropene	20	20	100	69	147
Trichloroethene	20	20	100	76	135
Dibromochloromethane	20	17	85	71	139
1,1,2-Trichloroethane	20	19	95	69	144
Benzene	20	19	95	66	144
trans-1,3-Dichloropropene	20	18	90	61	147
Bromoform	20	19	95	69	150
4-Methyl-2-Pentanone	20	14	70	45	143
2-Hexanone	20	14	70	52	169
Tetrachloroethene	20	21	105	69	133
Toluene	20	20	100	66	142
1,1,2,2-Tetrachloroethane	20	19	95	51	152
Chlorobenzene	20	21	105	69	136
Ethylbenzene	20	20	100	74	134
Styrene	20	20	100	66	130
Xylene (total)mp	40	42	105	70	133
Xylene (total)o	20	22	110	74	138
Dichlorodifluoromethane	20	8	40	18	173
Trichlorofluoromethane	20	20	100	54	145
Acrolein	20	4	20	0	141
1,1,2-Trichlorotrifluoroethane	20	22	110	53	154
Methyl tert-Butyl Ether	20	22	110	57	142
1,2-Dibromoethane	20	19	95	58	123
1,3-Dichlorobenzene	20	21	105	75	130
1,4-Dichlorobenzene	20	21	105	71	133
1,2-Dichlorobenzene	20	23	115	67	132
1,2-Dibromo-3-chloropropane	20	12	60	23	151
1,2,4-Trichlorobenzene	20	20	100	61	128

✓

QCS Spike Summary

Spike: O4796.D

Compound	Spike Amount	Spike Result	Rec	Low	High
Chloromethane	20	13	65	24	146
Bromomethane	20	15	75	43	118
Vinyl Chloride	20	13	65	35	143
Chloroethane	20	24	120	50	152
Methylene Chloride	20	17	85	56	143
Acetone	20	23	115	0	249
Carbon Disulfide	20	18	90	7	141
Vinyl Acetate	20	11	55	0	185
1,1-Dichloroethene	20	22	110	50	150
1,1-Dichloroethane	20	20	100	67	157
cis-1,2-Dichloroethene	20	15	75	59	147
trans-1,2-Dichloroethene	20	19	95	51	145
Chloroform	20	21	105	62	162
1,2-Dichloroethane	20	21	105	71	127
2-Butanone	20	22	110	27	189
1,1,1-Trichloroethane	20	24	120	53	145
Carbon Tetrachloride	20	27	135	65	154
Bromodichloromethane	20	24	120	63	132
1,2-Dichloropropane	20	23	115	76	134
cis-1,3-Dichloropropene	20	24	120	40	148
Trichloroethene	20	23	115	65	142
Dibromochloromethane	20	24	120	63	141
1,1,2-Trichloroethane	20	24	120	57	136
Benzene	20	23	115	31	162
trans-1,3-Dichloropropene	20	23	115	45	149
Bromoform	20	24	120	51	151
4-Methyl-2-Pentanone	20	20	100	41	147
2-Hexanone	20	23	115	8	202
Tetrachloroethene	20	23	115	68	125
Toluene	20	22	110	43	153
1,1,2,2-Tetrachloroethane	20	22	110	52	145
Chlorobenzene	20	24	120	67	130
Ethylbenzene	20	23	115	63	132
Styrene	20	22	110	69	127
Xylene (total)mp	40	46	115	66	130
Xylene (total)o	20	24	120	68	139
Dichlorodifluoromethane	20	16	80	42	205
Trichlorofluoromethane	20	20	100	68	168
Acrolein	20	16	80	0	94
1,1,2-Trichlorotrifluoroethane	20	20	100	68	168
Methyl tert-Butyl Ether	20	21	105	87	134
1,2-Dibromoethane	20	22	110	43	150
1,3-Dichlorobenzene	20	22	110	60	122
1,4-Dichlorobenzene	20	23	115	56	126
1,2-Dichlorobenzene	20	21	105	59	122
1,2-Dibromo-3-chloropropane	20	26	130	35	140
1,2,4-Trichlorobenzene	20	25	125*	40	121

✓

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT ID

VBLKM1

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: >M5149 Lab Sample ID: VBLKM1

Date Analyzed: 07/17/01 Time Analyzed: 0819

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5970M

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	020ppb QCS	020ppb QCS	>M5150	0854
02	FB071201	011820A-13	>M5158	1320
03	TB071201	011820A-14	>M5159	1353
04				
05				
06				
07				
08				
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COMMENTS: _____

0052

4A

VOLATILE METHOD BLANK SUMMARY

CLIENT ID

VBLKOA

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: >O4794 Lab Sample ID: VBLKOA

Date Analyzed: 07/18/01 Time Analyzed: 1203

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5971O

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	020 ppbQCS	020 ppbQCS	>O4796	1350
02	21G (21.5)	011820A-04	>O4798	1500
03	21G (26.5)	011820A-05	>O4799	1535
04	REP-1	011820A-06	>O4800	1611
05	1G (21.5)FMS	011820A-04FMS	>O4801	1646
06	G (21.5)FMSD	011820A-04FMSD	>O4802	1721
07	G (21.5)FMSB	011820A-04FMSB	>O4803	1756
08				
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COMMENTS: _____

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: MB681 BFB Injection Date:07/10/01

Instrument ID: HP5970M BFB Injection Time:0753

GC Column: 007-624 ID: 0.53 Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15 - 40 percent of mass 95	23.4
75	30 - 60 percent of mass 95	57.4
95	Base peak, 100 percent relative abundance	100.0
96	5.0 - 9.0 percent of mass 95	7.6
173	Less than 2.9 percent of mass 174	0.0 (0.0)1
174	50 - 120 percent of mass 95	65.6
175	5.0 - 9.0 percent of mass 174	5.8 (8.8)1
176	95 - 101 percent of mass 174	64.8 (98.6)1
177	5.0 - 9.0 percent of mass 176	4.8 (7.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005MO	VSTD005MO	>M5015	07/10/01	1004
02	VSTD020MQ	VSTD020MQ	>M5017	07/10/01	1113
03	VSTD050MR	VSTD050MR	>M5018	07/10/01	1148
04	VSTD100MT	VSTD100MT	>M5019	07/10/01	1222
05	VSTD200MU	VSTD200MU	>M5020	07/10/01	1257
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
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22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: MB689 BFB Injection Date:07/17/01

Instrument ID: HP5970M BFB Injection Time:0708

GC Column: 007-624 ID: 0.53 Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15 - 40 percent of mass 95	22.3
75	30 - 60 percent of mass 95	50.5
95	Base peak, 100 percent relative abundance	100.0
96	5.0 - 9.0 percent of mass 95	8.2
173	Less than 2.9 percent of mass 174	0.0 (0.0)1
174	50 - 120 percent of mass 95	74.6
175	5.0 - 9.0 percent of mass 174	4.2 (5.7)1
176	95 - 101 percent of mass 174	74.4 (99.7)1
177	5.0 - 9.0 percent of mass 176	6.5 (8.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050M1	VSTD050M1	>M5148	07/17/01	0737
02	VBLKM1	VBLKM1	>M5149	07/17/01	0819
03	020ppb QCS	020ppb QCS	>M5150	07/17/01	0854
04	FB071201	011820A-13	>M5158	07/17/01	1320
05	TB071201	011820A-14	>M5159	07/17/01	1353
06					
07					
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: OB387 BFB Injection Date:07/17/01

Instrument ID: HP5971O BFB Injection Time:0959

GC Column: 007-624 ID: 0.53 Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15 - 40 percent of mass 95	18.4
75	30 - 60 percent of mass 95	53.6
95	Base peak, 100 percent relative abundance	100.0
96	5.0 - 9.0 percent of mass 95	7.2
173	Less than 2.9 percent of mass 174	0.0 (0.0)1
174	50 - 120 percent of mass 95	79.3
175	5.0 - 9.0 percent of mass 174	5.5 (6.9)1
176	95 - 101 percent of mass 174	76.4 (96.3)1
177	5.0 - 9.0 percent of mass 176	4.6 (6.1)2

1-Value is % mass 174 2 Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050O4	VSTD050O4	>O4781	07/17/01	1320
02	VSTD020O5	VSTD020O5	>O4782	07/17/01	1426
03	VSTD005O7	VSTD005O7	>O4784	07/17/01	1536
04	VSTD100O8	VSTD100O8	>O4786	07/17/01	1646
05	VSTD200O9	VSTD200O9	>O4789	07/17/01	1923
06					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: OB388 BFB Injection Date:07/18/01

Instrument ID: HP5971O BFB Injection Time:0911

GC Column: 007-624 ID: 0.53 Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15 - 40 percent of mass 95	18.0
75	30 - 60 percent of mass 95	53.5
95	Base peak, 100 percent relative abundance	100.0
96	5.0 - 9.0 percent of mass 95	7.0
173	Less than 2.9 percent of mass 174	0.2 (0.3)1
174	50 - 120 percent of mass 95	85.0
175	5.0 - 9.0 percent of mass 174	6.0 (7.0)1
176	95 - 101 percent of mass 174	81.3 (95.7)1
177	5.0 - 9.0 percent of mass 176	5.4 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050OA	VSTD050OA	>O4792	07/18/01	0955
02	VBLKOA	VBLKOA	>O4794	07/18/01	1203
03	020 ppbQCS	020 ppbQCS	>O4796	07/18/01	1350
04	21G (21.5)	011820A-04	>O4798	07/18/01	1500
05	21G (26.5)	011820A-05	>O4799	07/18/01	1535
06	REP-1	011820A-06	>O4800	07/18/01	1611
07	1G (21.5)FMS	011820A-04FMS	>O4801	07/18/01	1646
08	G (21.5)FMSD	011820A-04FMSD	>O4802	07/18/01	1721
09	G (21.5)FMSB	011820A-04FMSB	>O4803	07/18/01	1756
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0056 A

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5970M Calibration Date(s): 07/10/01 _____

Heated Purge: (Y/N) N Calibration Times: 1004 1257

GC Column: 007-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 = >M5015 RRF20 = >M5017
RRF50 = >M5018 RRF100= >M5019 RRF200= >M5020

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	RRF	% RSD	
Chloromethane	*	0.959	1.109	1.228	1.409	1.109	1.163	14.4	*
Bromomethane		1.048	1.030	1.032	1.063	1.018	1.038	1.7	
Vinyl Chloride	*	1.056	1.278	1.187	1.619	1.168	1.262	17.0	*
Chloroethane		0.639	0.897	0.722	0.740	0.703	0.740	12.9	
Methylene Chloride		1.718	1.613	1.369	1.512	1.428	1.528	9.2	
Acetone		0.538	0.883	0.748	0.720	0.557	0.689	20.8	
Carbon Disulfide		3.112	3.209	3.002	3.336	3.068	3.145	4.1	
1,1-Dichloroethene	*	1.240	1.436	1.294	1.408	1.247	1.325	6.9	*
1,1-Dichloroethane	*	3.005	3.137	2.755	2.941	2.814	2.930	5.2	*
cis-1,2-Dichloroethene		1.782	1.649	1.486	1.568	1.525	1.602	7.3	
trans-1,2-Dichloroethene		1.443	1.646	1.440	1.582	1.496	1.521	5.9	
Chloroform	*	3.747	3.498	3.109	3.244	3.218	3.363	7.6	*
1,2-Dichloroethane	*	2.522	2.697	2.369	2.572	2.502	2.532	4.7	*
2-Butanone		0.526	0.688	0.611	0.707	0.708	0.648	12.2	
1,1,1-Trichloroethane		0.631	0.674	0.601	0.661	0.638	0.641	4.4	
Carbon Tetrachloride		0.589	0.558	0.508	0.563	0.528	0.549	5.8	
Bromodichloromethane		0.717	0.690	0.601	0.659	0.832	0.700	12.2	
1,2-Dichloropropane		0.417	0.435	0.381	0.399	0.390	0.404	5.4	
cis-1,3-dichloropropene		0.628	0.590	0.555	0.570	0.514	0.571	7.4	
Trichloroethene		0.415	0.402	0.354	0.372	0.371	0.383	6.5	
Dibromochloromethane		0.605	0.584	0.562	0.577	0.664	0.598	6.6	
1,1,2-Trichloroethane		0.356	0.346	0.307	0.370	0.360	0.348	7.0	
Benzene		0.994	0.972	0.892	0.932	0.908	0.940	4.6	
trans-1,3-Dichloropropene		0.536	0.526	0.491	0.603	0.612	0.554	9.4	
Bromoform	*	0.487	0.461	0.506	0.428	0.488	0.474	6.4	*
4-Methyl-2-Pentanone		0.461	0.503	0.402	0.548	0.511	0.485	11.5	
2-Hexanone		0.257	0.383	0.261	0.328	0.361	0.318	18.0	
Tetrachloroethene		0.456	0.481	0.327	0.488	0.438	0.438	14.9	
1,1,2,2-Tetrachloroethane	*	0.710	0.702	0.593	0.662	0.645	0.662	7.1	*
Toluene	*	1.450	1.499	1.025	1.470	1.392	1.367	14.3	*
Chlorobenzene	*	1.088	1.062	0.938	0.974	0.968	1.006	6.5	*
Ethylbenzene	*	0.522	0.535	0.460	0.482	0.482	0.496	6.3	*
Styrene		1.033	1.076	0.946	0.966	0.978	1.000	5.3	
Xylene (total)		0.614	0.654	0.570	0.581	0.575	0.598	5.9	
Freon 123A									
Vinyl Acetate		0.770	0.763	0.728	0.747	0.725	0.747	2.7	

* Compounds with required minimum RRF and maximum %RSD values.

0056B

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5970M Calibration Date(s): 07/10/01 _____

Heated Purge: (Y/N) N Calibration Times: 1004 1257

GC Column: 007-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 = >M5015 RRF20 = >M5017
RRF50 = >M5018 RRF100= >M5019 RRF200= >M5020

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Toluene-d8	1.031	1.172	0.885	1.284	1.137	1.102	13.7
Bromofluorobenzene	0.807	0.909	0.796	0.876	0.843	0.846	5.6
1,2-Dichloroethane-d4	2.013	2.160	2.262	2.419	2.224	2.216	6.7

* Compounds with required minimum RRF and maximum %RSD values.

0056C

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP59710 Calibration Date(s): 07/17/01 _____

Heated Purge: (Y/N) Y Calibration Times: 1320 1923

GC Column: 007-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 = >04784 RRF20 = >04782
RRF50 = >04781 RRF100= >04786 RRF200= >04789

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Chloromethane	*	3.564	2.163	1.977	2.221	2.447	2.474	25.5	*
Bromomethane		1.524	1.909	1.690	0.913	1.006	1.408	30.8	
Vinyl Chloride	*	2.204	3.333	3.213	2.075	1.833	2.532	27.3	*
Chloroethane		2.165	2.090	2.166	1.212	1.090	1.745	31.2	
Methylene Chloride		5.780	3.927	3.932	2.866	2.567	3.814	33.0	
Acetone		2.220	1.012	0.994	0.694	0.632	1.110	58.0	
Carbon Disulfide		10.770	10.900	10.640	8.861	8.102	9.855	13.0	
1,1-Dichloroethene	*	2.887	3.271	3.278	2.639	2.433	2.902	13.0	*
1,1-Dichloroethane	*	5.200	5.613	5.790	4.952	4.509	5.213	9.9	*
cis-1,2-Dichloroethene		3.282	3.748	3.773	3.114	2.816	3.347	12.3	
trans-1,2-Dichloroethene		3.354	3.849	3.788	3.054	2.821	3.373	13.3	
Chloroform	*	6.124	6.924	6.919	6.205	5.567	6.348	9.1	*
2-Dichloroethane	*	4.704	5.039	4.862	4.679	4.189	4.695	6.8	*
Butanone		1.228	0.933	0.988	0.823	0.770	0.948	18.8	
1,1,1-Trichloroethane		0.834	0.805	0.780	0.834	0.810	0.813	2.8	
Carbon Tetrachloride		0.638	0.670	0.661	0.750	0.720	0.688	6.7	
Bromodichloromethane		0.607	0.625	0.580	0.639	0.632	0.617	3.8	
1,2-Dichloropropane		0.382	0.350	0.323	0.326	0.328	0.342	7.3	
cis-1,3-dichloropropene		0.613	0.649	0.622	0.627	0.641	0.630	2.3	
Trichloroethene		0.520	0.490	0.461	0.460	0.447	0.476	6.2	
Dibromochloromethane		0.419	0.444	0.421	0.456	0.462	0.440	4.5	
1,1,2-Trichloroethane		0.280	0.290	0.277	0.293	0.298	0.288	3.1	
Benzene		1.439	1.457	1.380	1.310	1.284	1.374	5.6	
trans-1,3-Dichloropropene		0.604	0.610	0.570	0.604	0.611	0.600	2.8	
Bromoform	*	0.262	0.281	0.272	0.308	0.320	0.289	8.5	*
4-Methyl-2-Pentanone		0.284	0.242	0.229	0.241	0.261	0.251	8.6	
2-Hexanone		0.170	0.194	0.162	0.178	0.189	0.179	7.4	
Tetrachloroethene		0.428	0.439	0.416	0.388	0.401	0.414	4.9	
1,1,2,2-Tetrachloroethane	*	0.380	0.398	0.372	0.386	0.425	0.392	5.3	*
Toluene	*	1.862	1.733	1.662	1.503	1.539	1.660	8.8	*
Chlorobenzene	*	1.068	1.108	1.032	0.991	0.997	1.039	4.7	*
Ethylbenzene	*	0.601	0.591	0.550	0.534	0.532	0.562	5.8	*
Styrene		1.209	1.208	1.129	1.089	1.116	1.150	4.8	
Xylene (total)		0.747	0.739	0.686	0.658	0.657	0.698	6.2	
Freon 123A									
Vinyl Acetate		0.219	0.414	0.413	0.275	0.472	0.359	29.7	

* Compounds with required minimum RRF and maximum %RSD values.

0056E

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5970M Calibration Date: 07/17/01 Time: 0737

Lab File ID: >M5148 Init. Calib. Date(s): 07/10/01 _____

Heated Purge: (Y/N) N Init. Calib. Times: 1004 1257

GC Column: 007-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.163	0.841	0.100	-27.7	
Bromomethane	1.038	1.003		-3.4	
Vinyl Chloride	1.262	1.042		-17.4	20.0
Chloroethane	0.740	0.738		-0.3	
Methylene Chloride	1.528	1.307		-14.5	
Acetone	0.689	0.359		-47.9	
Carbon Disulfide	3.145	3.018		-4.0	
1,1-Dichloroethene	1.325	1.262		-4.8	20.0
1,1-Dichloroethane	2.930	2.495	0.100	-14.8	
cis-1,2-Dichloroethene	1.602	1.475		-7.9	
trans-1,2-Dichloroethene	1.521	1.398		-8.1	
Chloroform	3.363	3.008		-10.6	20.0
1,2-Dichloroethane	2.532	2.217		-12.4	
2-Butanone	0.648	0.477		-26.4	
1,1,1-Trichloroethane	0.641	0.615		-4.1	
Carbon Tetrachloride	0.549	0.556		1.3	
Bromodichloromethane	0.700	0.609		-13.0	
1,2-Dichloropropane	0.404	0.348		-13.9	20.0
trans-1,3-Dichloropropene	0.554	0.494		-10.8	
Trichloroethene	0.383	0.373		-2.6	
Dibromochloromethane	0.598	0.549		-8.2	
1,1,2-Trichloroethane	0.348	0.299		-14.1	
Benzene	0.940	0.829		-11.8	
cis-1,3-Dichloropropene	0.571	0.501		-12.2	
Bromoform	0.474	0.420	0.100	-11.4	
2-Hexanone	0.318	0.182		-42.8	
4-Methyl-2-Pentanone	0.485	0.301		-37.9	
Tetrachloroethene	0.438	0.457		4.3	
1,1,2,2-Tetrachloroethane	0.662	0.516	0.300	-22.0	
Toluene	1.367	1.363		-0.3	20.0
Chlorobenzene	1.006	0.922	0.300	-8.4	
Ethylbenzene	0.496	0.460		-7.3	20.0
Styrene	1.000	0.921		-7.9	
Xylene (total)	0.598	0.548		-8.4	
Freon 123A					
Vinyl Acetate	0.747	0.543		-27.3	

0056D

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP59710 Calibration Date(s): 07/17/01 _____

Heated Purge: (Y/N) Y Calibration Times: 1320 1923

GC Column: 007-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 = >04784 RRF20 = >04782
RRF50 = >04781 RRF100= >04786 RRF200= >04789

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Toluene-d8	1.431	1.464	1.249	1.250	1.262	1.331	8.0
Bromofluorobenzene	0.688	0.665	0.500	0.549	0.577	0.596	13.3
1,2-Dichloroethane-d4	4.822	4.547	3.767	3.958	3.506	4.120	13.3

* Compounds with required minimum RRF and maximum %RSD values.

0056F

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5970M Calibration Date: 07/17/01 Time: 0737

Lab File ID: >M5148 Init. Calib. Date(s): 07/10/01 _____

Heated Purge: (Y/N) N Init. Calib. Times: 1004 1257

GC Column: 007-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Bromofluorobenzene	0.846	0.744		-12.0	
Toluene-d8	1.102	1.121		1.7	
1,2-Dichloroethane-d4	2.216	1.802		-18.7	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP59710 Calibration Date: 07/18/01 Time: 0955

Lab File ID: >04792 Init. Calib. Date(s): 07/17/01 _____

Heated Purge: (Y/N) Y Init. Calib. Times: 1320 1923

GC Column: 007-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	2.474	2.164	0.100	-12.5	
Bromomethane	1.408	1.894		34.5	
Vinyl Chloride	2.532	2.493		-1.5	20.0
Chloroethane	1.745	2.158		23.7	
Methylene Chloride	3.814	3.632		-4.8	
Acetone	1.110	1.189		7.1	
Carbon Disulfide	9.855	10.820		9.8	
1,1-Dichloroethene	2.902	3.276		12.9	20.0
1,1-Dichloroethane	5.213	5.766	0.100	10.6	
cis-1,2-Dichloroethene	3.347	3.734		11.6	
trans-1,2-Dichloroethene	3.373	3.723		10.4	
Chloroform	6.348	6.955		9.6	20.0
1,2-Dichloroethane	4.695	4.945		5.3	
2-Butanone	0.948	0.925		-2.4	
1,1,1-Trichloroethane	0.813	0.810		-0.4	
Carbon Tetrachloride	0.688	0.695		1.0	
Bromodichloromethane	0.617	0.606		-1.8	
1,2-Dichloropropane	0.342	0.336		-1.8	20.0
trans-1,3-Dichloropropene	0.600	0.581		-3.2	
Trichloroethene	0.476	0.467		-1.9	
Dibromochloromethane	0.440	0.433		-1.6	
1,1,2-Trichloroethane	0.288	0.288		0.0	
Benzene	1.374	1.376		0.1	
cis-1,3-Dichloropropene	0.630	0.636		1.0	
Bromoform	0.289	0.273	0.100	-5.5	
2-Hexanone	0.179	0.174		-2.8	
4-Methyl-2-Pentanone	0.251	0.222		-11.6	
Tetrachloroethene	0.414	0.416		0.5	
1,1,2,2-Tetrachloroethane	0.392	0.377	0.300	-3.8	
Toluene	1.660	1.686		1.6	20.0
Chlorobenzene	1.039	1.056	0.300	1.6	
Ethylbenzene	0.562	0.573		2.0	20.0
Styrene	1.150	1.145		-0.4	
Xylene (total)	0.698	0.713		2.2	
Freon 123A					
Vinyl Acetate	0.359	0.444		23.7	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5971O Calibration Date: 07/18/01 Time: 0955

Lab File ID: >O4792 Init. Calib. Date(s): 07/17/01 _____

Heated Purge: (Y/N) Y Init. Calib. Times: 1320 1923

GC Column: 007-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Bromofluorobenzene	0.596	0.546		-8.4	
Toluene-d8	1.331	1.339		0.6	
1,2-Dichloroethane-d4	4.120	4.160		1.0	

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: (Standard): >M5148 Date Analyzed:07/17/01

Instrument ID: HP5970M Time Analyzed:0737

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	344499	9.83	1630834	12.18	1341454	18.16
	UPPER LIMIT	688998	10.33	3261668	12.68	2682908	18.66
	LOWER LIMIT	172250	9.33	815417	11.68	670727	17.66
	EPA SAMPLE NO.						
01	VBLKM1	307667	9.81	1524017	12.16	1107983	18.14
02	020ppb QCS	317941	9.78	1558051	12.15	1178971	18.12
03	FB071201	306069	9.76	1475942	12.12	1160003	18.08
04	TB071201	284276	9.76	1484569	12.13	1165658	18.09
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: (Standard): >04792 Date Analyzed:07/18/01

Instrument ID: HP5971O Time Analyzed:0955

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	301883	11.23	2501627	12.47	2307043	17.15
	UPPER LIMIT	603766	11.73	5003254	12.97	4614086	17.65
	LOWER LIMIT	150942	10.73	1250814	11.97	1153522	16.65
	EPA SAMPLE NO.						
01	VBLKOA	292726	11.24	1940299	12.47	1732576	17.15
02	020 ppbQCS	287840	11.23	1891930	12.46	1710353	17.14
03	21G (21.5)	277827	11.23	1720658	12.47	1632064	17.14
04	21G (26.5)	270870	11.24	1781110	12.47	1627312	17.13
05	REP-1	266883	11.23	1868087	12.47	1780919	17.13
06	1G (21.5) FMS	239389	11.23	1876129	12.47	1790950	17.13
07	G (21.5) FMSD	257556	11.23	1927809	12.47	1840073	17.13
08	G (21.5) FMSB	249879	11.22	1908907	12.47	1713492	17.13
9							
0							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKAS	80	78	71	34	51	91			0
02	SBLKASFMS	89	92	87	38	58	99			0
03	FB071201	67	67	63	32	46	79			0
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
0										
21										
22										
23										
24										
25										
26		✓	✓	✓	✓	✓	✓			
27										
28										
29										
30										

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (35-114)
S2 (FBP) = 2-Fluorobiphenyl (43-116)
S3 (TPH) = Terphenyl-d14 (33-141)
S4 (PHL) = Phenol-d5 (10-110)
S5 (2FP) = 2-Fluorophenol (21-110)
S6 (TBP) = 2,4,6-Tribromophenol (10-123)
S7 (2CP) = 2-Chlorophenol-d4 (-) (advisory)
S8 (DCB) = 1,2-Dichlorobenzene-d4 (-) (advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II SV-1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKIS	86	80	75	88	99	71			0
02	SBLKISFMS	94	89	86	103	110	106			0
03	1G (21.5)MSB	93	86	84	102	107	88			0
04	21G (21.5)	96	88	82	102	110	82			0
05	21G (21.5)MS	90	83	84	96	102	87			0
06	1G (21.5)MSD	87	81	83	95	98	82			0
07	21G (26.5)	86	88	97	96	100	82			0
08	REP-1	90	90	97	97	102	79			0
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27		✓	✓	✓	✓	✓	✓			
28										
29										
30										

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
S2 (FBP) = 2-Fluorobiphenyl (30-115)
S3 (TPH) = Terphenyl-d14 (18-137)
S4 (PHL) = Phenol-d5 (24-113)
S5 (2FP) = 2-Fluorophenol (25-121)
S6 (TBP) = 2,4,6-Tribromophenol (19-122)
S7 (2CP) = 2-Chlorophenol-d4 (-) (advisory)
S8 (DCB) = 1,2-Dichlorobenzene-d4 (-) (advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: 21G (21.5) Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	5200	0	4800	92*	26- 90
2-Chlorophenol	5200	0	4600	88	25-102
1,4-Dichlorobenzene	2600	0	1800	69	28-104
N-Nitroso-di-n-prop.(1)	2600	0	2400	92	41-126
1,2,4-Trichlorobenzene	2600	0	1900	73	38-107
4-Chloro-3-methylphenol	5200	0	5000	96	26-103
Acenaphthene	2600	0	2200	85	31-137
4-Nitrophenol	5200	0	5000	96	11-114
2,4-Dinitrotoluene	2600	0	2400	92*	28- 89
Pentachlorophenol	5200	0	4600	88	17-109
Pyrene	2600	0	2400	92	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	5100	4600	90	2	35	26- 90
2-Chlorophenol	5100	4400	86	2	50	25-102
1,4-Dichlorobenzene	2500	1600	64	8	27	28-104
N-Nitroso-di-n-prop.(1)	2500	2200	88	4	38	41-126
1,2,4-Trichlorobenzene	2500	1800	72	1	23	38-107
4-Chloro-3-methylphenol	5100	4900	96	0	33	26-103
Acenaphthene	2500	2100	84	1	19	31-137
4-Nitrophenol	5100	4700	92	4	50	11-114
2,4-Dinitrotoluene	2500	2200	88	4	47	28- 89
Pentachlorophenol	5100	4300	84	5	47	17-109
Pyrene	2500	2300	92	0	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits.

RPD: 0 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS: _____

3D

SEMIVOLATILE MATRIX SPIKE BLANK RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: 21G (21.5) Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	SPIKE CONCENTRATION (ug/Kg)	SPIKE % REC #	QC. LIMITS REC.
Phenol	3300	0	3300	100	12-110
2-Chlorophenol	3300	0	3200	97	27-123
1,4-Dichlorobenzene	1700	0	1300	76	36-97
N-Nitroso-di-n-propylamine	1700	0	1600	94	41-116
1,2,4-Trichlorobenzene	1700	0	1300	76	39-98
4-Chloro-3-methylphenol	3300	0	3400	103*	23-97
Acenaphthene	1700	0	1400	82	46-118
4-Nitrophenol	3300	0	3200	97*	10-80
2,4-Dinitrotoluene	1700	0	1700	100*	24-96
Pentachlorophenol	3300	0	3100	94	9-103
Pyrene	1700	0	1600	94	26-127

Column to be used to flag recovery with an asterisk

Values outside of QC limits.

Spike Recovery: 03 out of 11 outside limits

COMMENTS: _____

FORM III SV-2

WATER SEMIVOLATILE SPIKE/SPIKE DUPLICATE RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: SBLKAS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	SPIKE CONCENTRATION (ug/L)	SPIKE % REC #	QC. LIMITS REC.
Phenol	40	0	16	40	24-57
bis(2-Chloroethyl)ether	40	0	35	88	49-133
2-Chlorophenol	40	0	35	88	60-112
1,3-Dichlorobenzene	40	0	33	82	18-143
1,4-Dichlorobenzene	40	0	34	85	21-138
Benzyl alcohol	40	0	36	90	39-117
1,2-Dichlorobenzene	40	0	35	88	21-143
2-Methylphenol	40	0	22	55	49-91
bis(2-Chloroisopropyl)ether	40	0	38	95	54-130
4-Methylphenol	40	0	22	55	48-95
N-Nitroso-di-n-propylamine	40	0	36	90	[illegible]-129
Hexachloroethane	40	0	33	82	8-144
Nitrobenzene	40	0	36	90	46-141
Isophorone	40	0	39	98	52-140
2-Nitrophenol	40	0	35	88	69-123
2,4-Dimethylphenol	40	0	36	90	62-121
Benzoic acid	120	0	0	0	0-25
bis(2-Chloroethoxy)methane	40	0	37	92	53-142
2,4-Dichlorophenol	40	0	38	95	66-122
1,2,4-Trichlorobenzene	40	0	34	85	30-142
Naphthalene	40	0	36	90	43-144
4-Chloroaniline	40	0	40	100	48-150
Hexachlorobutadiene	40	0	36	90	5-169
4-Chloro-3-methylphenol	40	0	39	98	63-119
2-Methylnaphthalene	40	0	40	100	37-137
Hexachlorocyclopentadiene	40	0	26	65	1-139
2,4,6-Trichlorophenol	40	0	39	98	70-121
2,4,5-Trichlorophenol	40	0	26	65	71-124
2-Chloronaphthalene	40	0	44	110	52-163
2-Nitroaniline	40	0	44	110	60-139

Column to be used to flag recovery with an asterisk ✓

* Values outside of QC limits.

Spike Recovery: 0 out of 65 outside limits

COMMENTS: _____

3C

WATER SEMIVOLATILE SPIKE/SPIKE DUPLICATE RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: SBLKAS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	SPIKE CONCENTRATION (ug/L)	SPIKE % REC #	QC. LIMITS REC.
Dimethylphthalate	40	0	42	105	64-137
Acenaphthylene	40	0	36	90	52-132
2,6-Dinitrotoluene	40	0	39	98	60-142
3-Nitroaniline	40	0	43	108	65-162
Acenaphthene	40	0	39	98	56-144
2,4-Dinitrophenol	40	0	43	108	70-139
4-Nitrophenol	40	0	26	65	21-65
Dibenzofuran	40	0	41	102	57-136
2,4-Dinitrotoluene	40	0	43	108	57-131
Diethylphthalate	40	0	44	110	62-132
4-Chlorophenyl-phenylether	40	0	41	102	55-136
Fluorene	40	0	42	105	59-131
4-Nitroaniline	40	0	46	115	67-155
4,6-Dinitro-2-methylphenol	40	0	45	112	77-164
N-Nitrosodiphenylamine (1)	40	0	39	98	67-149
4-Bromophenyl-phenylether	40	0	40	100	57-150
Hexachlorobenzene	40	0	42	105	53-153
Pentachlorophenol	40	0	42	105	63-125
Phenanthrene	40	0	43	108	83-124
Anthracene	40	0	42	105	66-138
Di-n-butylphthalate	40	0	43	108	65-146
Fluoranthene	40	0	43	108	63-145
Pyrene	40	0	42	105	66-152
Butylbenzylphthalate	40	0	44	110	64-158
3,3'-Dichlorobenzidine	40	0	41	102	69-159
Benzo(a)anthracene	40	0	43	108	62-151
Chrysene	40	0	41	102	72-141
bis(2-Ethylhexyl)phthalate	40	0	42	105	63-148
Di-n-octylphthalate	40	0	42	105	65-154
Benzo(b)fluoranthene	40	0	42	105	42-172

✓

Column to be used to flag recovery with an asterisk

* Values outside of QC limits.

Spike Recovery: 0 out of 65 outside limits

COMMENTS: _____

_____

WATER SEMIVOLATILE SPIKE/SPIKE DUPLICATE RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: SBLKAS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	SPIKE CONCENTRATION (ug/L)	SPIKE % REC #	QC. LIMITS REC.
Benzo(k)fluoranthene	40	0	42	105	55-150
Benzo(a)pyrene	40	0	40	100	68-147
Indeno(1,2,3-cd)pyrene	40	0	44	110	52-157
Dibenzo(a,h)anthracene	40	0	43	108	25-159
Benzo(g,h,i)perylene	40	0	45	112	56-166
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Column to be used to flag recovery with an asterisk

* Values outside of QC limits.

Spike Recovery: 0 out of 65 outside limits

COMMENTS: _____

SOIL SEMIVOLATILE SPIKE/SPIKE DUPLICATE RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: SBLKIS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	SPIKE CONCENTRATION (ug/Kg)	SPIKE % REC #	QC. LIMITS REC.
Phenol	1300	0	1400	108	48-146
bis(2-Chloroethyl)ether	1300	0	1300	100	60-119
2-Chlorophenol	1300	0	1300	100	58-139
1,3-Dichlorobenzene	1300	0	870	67	55-113
1,4-Dichlorobenzene	1300	0	930	72	54-114
Benzyl alcohol	1300	0	330	25 *	58-137
1,2-Dichlorobenzene	1300	0	1000	77	59-116
2-Methylphenol	1300	0	1000	77	50-126
bis(2-Chloroisopropyl)ether	1300	0	1300	100	64-120
4-Methylphenol	1300	0	1100	85	51-147
N-Nitroso-di-n-propylamine	1300	0	1200	92	61-121
Hexachloroethane	1300	0	920	71	54-108
Nitrobenzene	1300	0	1200	92	62-119
Isophorone	1300	0	1300	100	63-123
2-Nitrophenol	1300	0	1100	85	64-119
2,4-Dimethylphenol	1300	0	1400	108	57-130
Benzoic acid	4000	0	3900	98 *	0-88
bis(2-Chloroethoxy)methane	1300	0	1200	92	64-123
2,4-Dichlorophenol	1300	0	1400	108	67-129
1,2,4-Trichlorobenzene	1300	0	1000	77	59-115
Naphthalene	1300	0	1100	85	63-124
4-Chloroaniline	1300	0	250	19	0-139
Hexachlorobutadiene	1300	0	1100	85	54-124
4-Chloro-3-methylphenol	1300	0	1400	108	62-136
2-Methylnaphthalene	1300	0	1400	108	56-120
Hexachlorocyclopentadiene	1300	0	1000	77	20-114
2,4,6-Trichlorophenol	1300	0	1300	100	64-129
2,4,5-Trichlorophenol	1300	0	910	70	52-119
2-Chloronaphthalene	1300	0	1400	108	70-138
2-Nitroaniline	1300	0	1600	123	59-140

Column to be used to flag recovery with an asterisk

* Values outside of QC limits.

Spike Recovery: 02 out of 65 outside limits

COMMENTS: JW 1/30/01

3D

SOIL SEMIVOLATILE SPIKE/SPIKE DUPLICATE RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: SBLKIS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	SPIKE CONCENTRATION (ug/Kg)	SPIKE % REC #	QC. LIMITS REC.
Dimethylphthalate	1300	0	1400	108	62-139
Acenaphthylene	1300	0	1200	92	57-127
2,6-Dinitrotoluene	1300	0	1300	100	58-146
3-Nitroaniline	1300	0	720	55	24-172
Acenaphthene	1300	0	1200	92	63-131
2,4-Dinitrophenol	1300	0	1500	115	8-220
4-Nitrophenol	1300	0	760	58	37-164
Dibenzofuran	1300	0	1300	100	58-131
2,4-Dinitrotoluene	1300	0	1400	108	46-146
Diethylphthalate	1300	0	1300	100	56-142
4-Chlorophenyl-phenylether	1300	0	1400	108	58-133
Fluorene	1300	0	1300	100	56-133
4-Nitroaniline	1300	0	1200	92	35-174
4,6-Dinitro-2-methylphenol	1300	0	1400	108	49-186
N-Nitrosodiphenylamine (1)	1300	0	1200	92	69-142
4-Bromophenyl-phenylether	1300	0	1200	92	63-139
Hexachlorobenzene	1300	0	1400	108	63-134
Pentachlorophenol	1300	0	1500	115	68-124
Phenanthrene	1300	0	1300	100	64-140
Anthracene	1300	0	1300	100	67-134
Di-n-butylphthalate	1300	0	1400	108	70-139
Fluoranthene	1300	0	1300	100	63-145
Pyrene	1300	0	1400	108	55-146
Butylbenzylphthalate	1300	0	1500	115	65-149
3,3'-Dichlorobenzidine	1300	0	470	36	23-124
Benzo(a)anthracene	1300	0	1500	115	58-148
Chrysene	1300	0	1400	108	60-151
bis(2-Ethylhexyl)phthalate	1300	0	1600	123	60-146
Di-n-octylphthalate	1300	0	1400	108	66-154
Benzo(b)fluoranthene	1300	0	1500	115	37-191

✓

Column to be used to flag recovery with an asterisk

* Values outside of QC limits.

Spike Recovery: 2 out of 65 outside limits

COMMENTS: 1/30/01

FORM III SV-2

3D

SOIL SEMIVOLATILE SPIKE/SPIKE DUPLICATE RECOVERY SUMMARY

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix Spike - EPA Sample No.: SBLKIS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	SPIKE CONCENTRATION (ug/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzo(k)fluoranthene	1300	0	1200	92	53-130
Benzo(a)pyrene	1300	0	1300	100	60-148
Indeno(1,2,3-cd)pyrene	1300	0	1400	108	44-160
Dibenzo(a,h)anthracene	1300	0	1400	108	30-154
Benzo(g,h,i)perylene	1300	0	1400	108	39-173
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Column to be used to flag recovery with an asterisk

* Values outside of QC limits.

Spike Recovery: 0 2 out of 65 outside limits

COMMENTS: 7/30/01

FORM III SV-2

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: S4046 DFTPP Injection Date: 07/23/01

Instrument ID: HP5972S DFTPP Injection Time: 1354

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Present	63.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	19.5
365	Greater than 1.0% of mass 198	2.01
441	Present, but less than mass 443	9.9
442	40.0 - 110.0% of mass 198	67.3
443	17.0 - 23.0% of mass 442	13.3 (19.7)2

1-Value is % mass 69 2-Value is % mass 442 ✓

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD020Y4	SSTD020Y4	>S4047	07/23/01	1438
02	SSTD050Y5	SSTD050Y5	>S4048	07/23/01	1522
03	SSTD080Y6	SSTD080Y6	>S4049	07/23/01	1606
04	SSTD120Y7	SSTD120Y7	>S4050	07/23/01	1650
05	SSTD160Y8	SSTD160Y8	>S4051	07/23/01	1734
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: S4070 DFTPP Injection Date:07/24/01

Instrument ID: HP5972S DFTPP Injection Time:1009

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Present	69.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	48.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	19.4
365	Greater than 1.0% of mass 198	1.89
441	Present, but less than mass 443	9.2
442	40.0 - 110.0% of mass 198	63.5
443	17.0 - 23.0% of mass 442	11.7 (18.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050Y9	SSTD050Y9	>S4070	07/24/01	1009
02	SBLKAS	SBLKAS	>S4076	07/24/01	1426
03	SBLKASFMS	SBLKASFMS	>S4077	07/24/01	1509
04	FB071201	011820A-13	>S4078	07/24/01	1554
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Lab File ID: S4112 DFTPP Injection Date:07/26/01

Instrument ID: HP5972S DFTPP Injection Time:1710

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	57.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Present	75.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	51.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	19.5
365	Greater than 1.0% of mass 198	1.70
441	Present, but less than mass 443	9.2
442	40.0 - 110.0% of mass 198	62.7
443	17.0 - 23.0% of mass 442	11.8 (18.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050Z7	SSTD050Z7	>S4112	07/26/01	1710
02	SBLKIS	SBLKIS	>S4115	07/26/01	1915
03	SBLKISFMS	SBLKISFMS	>S4116	07/26/01	1956
04	1G (21.5)MSB	011820A-04MSB	>S4118	07/26/01	2119
05	21G (21.5)	011820A-04	>S4122	07/27/01	0006
06	21G (21.5)MS	011820A-04MS	>S4123	07/27/01	0048
07	1G (21.5)MSD	011820A-04MSD	>S4124	07/27/01	0130
08	21G (26.5)	011820A-05	>S4125	07/27/01	0212
09	REP-1	011820A-06	>S4126	07/27/01	0254
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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5972S Calibration Date(s): 07/23/01 _____

Calibration Times: 1438 1734

LAB FILE ID: RRF20 = >S4047 RRF50 = >S4048
RRF80 = >S4049 RRF120= >S4050 RRF160= >S4051

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
Phenol	*	2.070	2.040	2.069	2.181	2.063	2.085	2.6	*
bis(2-Chloroethyl)ether	*	1.305	1.270	1.309	1.354	1.253	1.298	3.0	*
2-Chlorophenol	*	1.413	1.413	1.462	1.512	1.447	1.449	2.8	*
1,3-Dichlorobenzene	*	1.421	1.389	1.444	1.455	1.365	1.415	2.6	*
1,4-Dichlorobenzene	*	1.456	1.411	1.464	1.466	1.378	1.435	2.7	*
Benzyl alcohol	*	0.969	0.912	0.876	0.876	0.805	0.888	6.7	*
1,2-Dichlorobenzene	*	1.362	1.337	1.369	1.334	1.208	1.322	5.0	*
2-Methylphenol	*	1.382	1.348	1.359	1.416	1.337	1.368	2.3	*
2,2'-oxybis(1-Chloropropane)	*	2.599	2.528	2.578	2.643	2.537	2.577	1.8	*
4-Methylphenol	*	1.434	1.419	1.400	1.426	1.299	1.396	4.0	*
N-Nitroso-di-n-propylamine	*	1.228	1.219	1.214	1.256	1.152	1.214	3.1	*
Hexachloroethane	*	0.609	0.605	0.628	0.627	0.573	0.608	3.7	*
Nitrobenzene	*	0.410	0.409	0.423	0.423	0.414	0.416	1.6	*
Isophorone	*	0.758	0.761	0.776	0.796	0.783	0.775	2.0	*
2-Nitrophenol	*	0.209	0.215	0.220	0.227	0.225	0.219	3.4	*
2,4-Dimethylphenol	*	0.302	0.302	0.308	0.317	0.313	0.308	2.2	*
Benzoic acid	*	0.265	0.302	0.314	0.332	0.324	0.307	8.5	*
bis(2-Chloroethoxy)methane	*	0.518	0.526	0.529	0.542	0.529	0.529	1.6	*
2,4-Dichlorophenol	*	0.277	0.280	0.284	0.288	0.280	0.282	1.5	*
1,2,4-Trichlorobenzene	*	0.277	0.278	0.286	0.284	0.276	0.280	1.6	*
Naphthalene	*	0.983	0.970	0.974	0.962	0.904	0.959	.3	*
4-Chloroaniline	*	0.437	0.429	0.432	0.434	0.420	0.430	1.5	*
Hexachlorobutadiene	*	0.129	0.130	0.133	0.132	0.126	0.130	2.1	*
4-Chloro-3-methylphenol	*	0.305	0.305	0.305	0.317	0.308	0.308	1.7	*
2-Methylnaphthalene	*	0.595	0.561	0.537	0.505	0.466	0.533	9.3	*
Hexachlorocyclopentadiene	*	0.188	0.238	0.273	0.282	0.288	0.254	16.4	*
2,4,6-Trichlorophenol	*	0.350	0.356	0.372	0.375	0.367	0.364	2.9	*
2,4,5-Trichlorophenol	*	0.395	0.421	0.443	0.434	0.414	0.421	4.4	*
2-Chloronaphthalene	*	1.123	1.106	1.117	1.040	0.970	1.071	6.1	*
2-Nitroaniline	*	0.444	0.445	0.465	0.475	0.471	0.460	3.2	*
Dimethylphthalate	*	1.288	1.274	1.307	1.297	1.263	1.286	1.4	*
Acenaphthylene	*	1.823	1.797	1.811	1.764	1.695	1.778	2.9	*
2,6-Dinitrotoluene	*	0.334	0.332	0.341	0.342	0.331	0.336	1.5	*
3-Nitroaniline	*	0.397	0.389	0.397	0.408	0.392	0.397	1.8	*
Acenaphthene	*	1.092	1.084	1.106	1.075	1.034	1.078	2.5	*
2,4-Dinitrophenol	*	0.185	0.213	0.231	0.240	0.240	0.222	10.5	*
4-Nitrophenol	*	0.147	0.141	0.148	0.153	0.153	0.148	3.4	*

* Compounds with required minimum RRF and maximum %RSD values.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5972S Calibration Date(s): 07/23/01 _____

Calibration Times: 1438 1734

LAB FILE ID: RRF20 = >S4047 RRF50 = >S4048
RRF80 = >S4049 RRF120= >S4050 RRF160= >S4051

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Dibenzofuran *	1.518	1.493	1.492	1.466	1.405	1.475	2.9 *
2,4-Dinitrotoluene *	0.440	0.432	0.448	0.454	0.441	0.443	1.9 *
Diethylphthalate *	1.320	1.274	1.298	1.297	1.255	1.289	1.9 *
4-Chlorophenyl-phenyl Ether *	0.522	0.496	0.480	0.425	0.377	0.460	12.7 *
Fluorene *	1.181	1.116	1.077	0.983	0.891	1.050	10.9 *
4-Nitroaniline *	0.410	0.392	0.393	0.401	0.389	0.397	2.1 *
4,6-Dinitro-2-methylphenol *	0.157	0.164	0.172	0.173	0.162	0.166	4.1 *
N-Nitrosodiphenylamine *	0.578	0.586	0.596	0.570	0.532	0.572	4.3 *
4-Bromophenyl-phenylether *	0.186	0.191	0.198	0.195	0.192	0.192	2.4 *
Hexachlorobenzene *	0.220	0.223	0.230	0.229	0.225	0.225	1.8 *
Pentachlorophenol *	0.098	0.108	0.116	0.127	0.129	0.116	11.2 *
Phenanthrene *	0.989	0.970	0.986	0.974	0.946	0.973	1.8 *
Anthracene *	1.069	1.026	1.033	1.007	0.952	1.017	4.2 *
Carbazole *	1.019	0.972	0.985	0.973	0.930	0.976	3.3 *
Di-n-butylphthalate *	1.433	1.373	1.364	1.332	1.272	1.355	4.4 *
Fluoranthene *	0.939	0.897	0.891	0.877	0.835	0.888	4.2 *
Pyrene *	1.357	1.417	1.418	1.419	1.389	1.400	1.9 *
Butylbenzylphthalate *	0.802	0.814	0.819	0.822	0.789	0.809	1.7 *
3,3'-Dichlorobenzidine *	0.389	0.366	0.377	0.346	0.316	0.359	8.0 *
Benzo(a)anthracene *	1.005	0.978	0.986	0.947	0.883	0.960	5.0 *
Chrysene *	0.945	0.924	0.930	0.829	0.725	0.871	10.7 *
bis(2-Ethylhexyl)phthalate *	1.110	1.107	1.083	0.991	0.858	1.030	10.4 *
Di-n-octylphthalate *	2.635	2.731	2.735	2.699	2.507	2.661	3.6 *
Benzo(b)fluoranthene *	1.244	1.265	1.352	1.384	1.338	1.317	4.5 *
Benzo(k)fluoranthene *	1.123	1.157	1.111	1.041	0.986	1.084	6.4 *
Benzo(a)pyrene *	1.055	1.076	1.129	1.120	1.083	1.093	2.8 *
Indeno(1,2,3-cd)pyrene *	0.934	0.969	1.068	1.082	1.133	1.037	8.0 *
Dibenz(a,h)anthracene *	0.793	0.824	0.902	0.905	0.929	0.871	6.7 *
Benzo(g,h,i)perylene *	0.764	0.802	0.883	0.916	1.012	0.875	11.2 *
Nitrobenzene-D5 *	0.404	0.409	0.424	0.434	0.424	0.419	2.9 *
2-Fluorobiphenyl *	1.174	1.167	1.209	1.156	1.103	1.162	3.3 *
Terphenyl-D14 *	0.983	1.000	1.011	1.012	0.977	0.997	1.6 *
Phenol-D5 *	1.953	1.935	1.971	2.040	1.944	1.969	2.1 *
2-Fluorophenol *	1.232	1.242	1.341	1.417	1.400	1.326	6.5 *
2,4,6-Tribromophenol *	0.169	0.173	0.177	0.180	0.174	0.175	2.4 *

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5972S Calibration Date: 07/24/01 Time: 1009

Lab File ID: >S4070 Init. Calib. Date(s): 07/23/01 _____

Init. Calib. Times: 1438 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	2.085	2.144		2.8	20.0
bis(2-Chloroethyl)ether	1.298	1.336		2.9	
2-Chlorophenol	1.449	1.422		-1.9	
1,3-Dichlorobenzene	1.415	1.409		-0.4	
1,4-Dichlorobenzene	1.435	1.458		1.6	20.0
Benzyl alcohol	0.888	1.072		20.7	
1,2-Dichlorobenzene	1.322	1.380		4.4	
2-Methylphenol	1.368	1.434		4.8	
2,2'-oxybis(1-Chloropropane)	2.577	2.776		7.7	
4-Methylphenol	1.396	1.534		9.9	
N-Nitroso-di-n-propylamine	1.214	1.329	0.050	9.5	
Hexachloroethane	0.608	0.613		0.8	
Nitrobenzene	0.416	0.420		1.0	
Isophorone	0.775	0.784		1.2	
2-Nitrophenol	0.219	0.212		-3.2	20.0
2,4-Dimethylphenol	0.308	0.311		1.0	
Benzoic acid	0.307	0.294		-4.2	
bis(2-Chloroethoxy)methane	0.529	0.513		-3.0	
2,4-Dichlorophenol	0.282	0.274		-2.8	20.0
1,2,4-Trichlorobenzene	0.280	0.269		-3.9	
Naphthalene	0.959	0.966		0.7	
4-Chloroaniline	0.430	0.429		-0.2	
Hexachlorobutadiene	0.130	0.124		-4.6	20.0
4-Chloro-3-methylphenol	0.308	0.320		3.9	20.0
2-Methylnaphthalene	0.533	0.562		5.4	
Hexachlorocyclopentadiene	0.254	0.221	0.050	-13.0	
2,4,6-Trichlorophenol	0.364	0.355		-2.5	20.0
2,4,5-Trichlorophenol	0.421	0.413		-1.9	
2-Chloronaphthalene	1.071	1.105		3.2	
2-Nitroaniline	0.460	0.489		6.3	
Dimethylphthalate	1.286	1.326		3.1	
Acenaphthylene	1.778	1.810		1.8	
2,6-Dinitrotoluene	0.336	0.342		1.8	
3-Nitroaniline	0.397	0.416		4.8	
Acenaphthene	1.078	1.067		-1.0	20.0
2,4-Dinitrophenol	0.222	0.227	0.050	2.2	
4-Nitrophenol	0.148	0.171	0.050	15.5	

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5972S Calibration Date: 07/24/01 Time: 1009

Lab File ID: >S4070 Init. Calib. Date(s): 07/23/01 _____

Init. Calib. Times: 1438 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dibenzofuran	1.475	1.524		3.3	
2,4-Dinitrotoluene	0.443	0.469		5.9	
Diethylphthalate	1.289	1.358		5.4	
4-Chlorophenyl-Phenyl Ether	0.460	0.501		8.9	
Fluorene	1.050	1.147		9.2	
4-Nitroaniline	0.397	0.447		12.6	
4,6-Dinitro-2-methylphenol	0.166	0.167		0.6	
N-Nitrosodiphenylamine	0.572	0.561		-1.9	20.0
4-Bromophenyl-phenylether	0.192	0.179		-6.8	
Hexachlorobenzene	0.225	0.214		-4.9	
Pentachlorophenol	0.116	0.109		-6.0	20.0
Phenanthrene	0.973	0.965		-0.8	
Anthracene	1.017	1.008		-0.9	
Carbazole	0.976	1.009		3.4	
Di-n-butylphthalate	1.355	1.393		2.8	
Fluoranthene	0.888	0.938		5.6	20.0
Pyrene	1.400	1.280		-8.6	
Butylbenzylphthalate	0.809	0.774		-4.3	
3,3'-Dichlorobenzidine	0.359	0.373		3.9	
Benzo(a)anthracene	0.960	0.977		1.8	
Chrysene	0.871	0.903		3.7	
bis(2-Ethylhexyl)phthalate	1.030	1.049		1.8	
Di-n-octylphthalate	2.661	2.585		-2.9	20.0
Benzo(b)fluoranthene	1.317	1.297		-1.5	
Benzo(k)fluoranthene	1.084	1.023		-5.6	
Benzo(a)pyrene	1.093	1.069		-2.2	20.0
Indeno(1,2,3-cd)pyrene	1.037	0.976		-5.9	
Dibenz(a,h)anthracene	0.871	0.823		-5.5	
Benzo(g,h,i)perylene	0.875	0.801		-8.5	
Nitrobenzene-D5	0.419	0.412		-1.7	
2-Fluorobiphenyl	1.162	1.157		-0.4	
Terphenyl-D14	0.997	0.908		-8.9	
Phenol-D5	1.969	2.055		4.4	
2-Fluorophenol	1.326	1.266		-4.5	
2,4,6-Tribromophenol	0.175	0.177		1.1	

(1) Cannot be separated from Diphenylamine

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL/CT Contract: _____

ab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5972S Calibration Date: 07/26/01 Time: 1710

Lab File ID: >S4112 Init. Calib. Date(s): 07/23/01 _____

Init. Calib. Times: 1438 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	2.085	2.144		2.8	20.0
bis(2-Chloroethyl)ether	1.298	1.438		10.8	
2-Chlorophenol	1.449	1.470		1.4	
1,3-Dichlorobenzene	1.415	1.495		5.6	
1,4-Dichlorobenzene	1.435	1.522		6.1	20.0
Benzyl alcohol	0.888	1.014		14.2	
1,2-Dichlorobenzene	1.322	1.398		5.8	
2-Methylphenol	1.368	1.384		1.2	
2,2'-oxybis(1-Chloropropane)	2.577	2.936		13.9	
4-Methylphenol	1.396	1.454		4.2	
N-Nitroso-di-n-propylamine	1.214	1.240	0.050	2.1	
Hexachloroethane	0.608	0.655		7.7	
Nitrobenzene	0.416	0.473		13.7	
Isophorone	0.775	0.822		6.1	
2-Nitrophenol	0.219	0.234		6.8	20.0
2,4-Dimethylphenol	0.308	0.328		6.5	
Benzoic acid	0.307	0.315		2.6	
bis(2-Chloroethoxy)methane	0.529	0.555		4.9	
2,4-Dichlorophenol	0.282	0.294		4.3	20.0
1,2,4-Trichlorobenzene	0.280	0.296		5.7	
Naphthalene	0.959	1.018		6.2	
4-Chloroaniline	0.430	0.435		1.2	
Hexachlorobutadiene	0.130	0.141		8.5	20.0
4-Chloro-3-methylphenol	0.308	0.319		3.6	20.0
2-Methylnaphthalene	0.533	0.569		6.8	
Hexachlorocyclopentadiene	0.254	0.306	0.050	20.5	
2,4,6-Trichlorophenol	0.364	0.386		6.0	20.0
2,4,5-Trichlorophenol	0.421	0.424		0.7	
2-Chloronaphthalene	1.071	1.150		7.4	
2-Nitroaniline	0.460	0.531		15.4	
Dimethylphthalate	1.286	1.319		2.6	
Acenaphthylene	1.778	1.901		6.9	
2,6-Dinitrotoluene	0.336	0.354		5.4	
3-Nitroaniline	0.397	0.411		3.5	
Acenaphthene	1.078	1.098		1.9	20.0
2,4-Dinitrophenol	0.222	0.222	0.050	0.0	
4-Nitrophenol	0.148	0.162	0.050	9.5	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK 0077

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 1820A SAS No.: _____ SDG No.: A1820

Instrument ID: HP5972S Calibration Date: 07/26/01 Time: 1710

Lab File ID: >S4112 Init. Calib. Date(s): 07/23/01 _____

Init. Calib. Times: 1438 1734

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dibenzofuran	1.475	1.542		4.5	
2,4-Dinitrotoluene	0.443	0.443		0.0	
Diethylphthalate	1.289	1.291		0.2	
4-Chlorophenyl-Phenyl Ether	0.460	0.528		14.8	
Fluorene	1.050	1.133		7.9	
4-Nitroaniline	0.397	0.401		1.0	
4,6-Dinitro-2-methylphenol	0.166	0.178		7.2	
N-Nitrosodiphenylamine	0.572	0.592		3.5	20.0
4-Bromophenyl-phenylether	0.192	0.195		1.6	
Hexachlorobenzene	0.225	0.237		5.3	
Pentachlorophenol	0.116	0.135		16.4	20.0
Phenanthrene	0.973	1.016		4.4	
Anthracene	1.017	1.032		1.5	
Carbazole	0.976	0.992		1.6	
Di-n-butylphthalate	1.355	1.417		4.6	
Fluoranthene	0.888	0.900		1.4	20.0
Pyrene	1.400	1.564		11.7	
Butylbenzylphthalate	0.809	0.902		11.5	
3,3'-Dichlorobenzidine	0.359	0.405		12.8	
Benzo(a)anthracene	0.960	1.091		13.6	
Chrysene	0.871	0.985		13.1	
bis(2-Ethylhexyl)phthalate	1.030	1.221		18.5	
Di-n-octylphthalate	2.661	2.788		4.8	20.0
Benzo(b)fluoranthene	1.317	1.243		-5.6	
Benzo(k)fluoranthene	1.084	1.174		8.3	
Benzo(a)pyrene	1.093	1.098		0.4	20.0
Indeno(1,2,3-cd)pyrene	1.037	1.126		8.6	
Dibenz(a,h)anthracene	0.871	0.930		6.8	
Benzo(g,h,i)perylene	0.875	0.964		10.2	
Nitrobenzene-D5	0.419	0.462		10.3	
2-Fluorobiphenyl	1.162	1.223		5.2	
Terphenyl-D14	0.997	1.104		10.7	
Phenol-D5	1.969	2.065		4.9	
2-Fluorophenol	1.326	1.372		3.5	
2,4,6-Tribromophenol	0.175	0.180		2.9	

(1) Cannot be separated from Diphenylamine

2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: STL-CT Contract: _____

I Code: IEACT Case No.: 1820A SDG No.: A1820

GC Column: DB-1701 ID: 0.53 (mm)

	SAMPLE NO.	TCX %REC	#	DCB %REC	#	OTHER %REC	#	OTHER %REC	#	TOT OUT
01	PBLK19	134*		97						1
02	PBLK19QC2	209*		116						1
03	FB071201	164*		91						1
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27		✓		✓						
28										
29										
30										

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(45-129)
DCB = Decachlorobiphenyl	(28-139)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM II PEST-1
GC-8082:rev 1.0

2F

SOIL PESTICIDE SURROGATE RECOVERY

0079

Lab Name: STL-CT Contract: _____

Code: IEACT Case No.: 1820A SDG No.: A1820

GC Column: DB-1701 ID: 0.53 (mm)

	SAMPLE NO.	TCX %REC	#	DCB %REC	#	OTHER %REC	#	OTHER %REC	#	TOT OUT
01	PBLK18	120		96						0
02	PBLK18QC2	115		120						0
03	21G (21.5)MSB	108		112						0
04	21G (21.5)	95		98						0
05	21G (21.5)MS	112		111						0
06	21G (21.5)MSD	104		100						0
07	21G (26.5)	106		103						0
08	REP-1	108		109						0
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25		✓		✓						
26										
27										
28										
29										
30										

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(14-139)
DCB = Decachlorobiphenyl	(39-171)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

SOIL PCB MATRIX SPIKE BLANK RECOVERY

Lab Name: STL-CT Contract: _____

Code: IEACT Case No.: 1820A SDG No.: A1820

Matrix Spike - Sample No.: 21G (21.5) Conc. Units : UG/KG

	SPIKE ADDED	SAMPLE CONC	MS CONC	MS %REC #	MSD CONC	MSD %REC #	%RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1260	67	0.0	64.	96				50	26-173

✓

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

3F

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY 0081

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Matrix Spike - Sample No.: 21G (21.5) Conc. Units : UG/KG

	SPIKE ADDED	SAMPLE CONC	MS CONC	MS %REC #	MSD CONC	MSD %REC #	%RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1260	70	0.0	72.	103	65.	96	7	50	26-173

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

3H
SOIL PESTICIDE QC CHECK RECOVERY

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Sample No.: PBLK18

COMPOUND	SPIKE ADDED (UG/KG)	SPIKE CONCENTRATION (UG/KG)	% REC #	QC. LIMITS REC.
Aroclor-1242	170	140	82	27-136
Aroclor-1260	170	170	100	34-128

✓

Column to be used to flag recovery values with an asterisk

COMMENTS: _____

_____

FORM III PEST-4
GC-8082:rev 1.0

3G
WATER PESTICIDE QC CHECK RECOVERY

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Sample No.: PBLK19

COMPOUND	SPIKE ADDED (UG/L)	SPIKE CONCENTRATION (UG/L)	% REC #	QC. LIMITS REC.
Aroclor-1242	5.0	4.4	88	20-134
Aroclor-1260	5.0	5.2	104	41-111

Column to be used to flag recovery values with an asterisk

COMMENTS: _____

FORM III PEST-3
GC-8082:rev 1.0

4C

PESTICIDE METHOD BLANK SUMMARY

Lab Name: STL-CT Contract: _____ Client Id: PBLK19

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Lab sample ID: 071801-B02 Lab File ID: C5108029

Matrix:(soil/water) WATER Extraction:(SepF/Cont/Sonc) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 07/18/01

Date Analyzed (1): 07/22/01 Date Analyzed (2): _____

Time Analyzed (1): 0836 Time Analyzed (2): _____

Instrument ID (1): HP58905C Instrument ID (2): _____

GC Column (1): DB-1701 ID: 0.53 (mm) GC Column (2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK19QC2	071801-B02QC2	07/22/01	
02	FB071201	011820A-13	07/22/01	
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

PESTICIDE METHOD BLANK SUMMARY

Lab Name: STL-CT Contract: _____ Client Id: PBLK18

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Lab sample ID: 071701-B04 Lab File ID: C5108077

Matrix:(soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 07/17/01

Date Analyzed (1): 07/24/01 Date Analyzed (2): _____

Time Analyzed (1): 1852 Time Analyzed (2): _____

Instrument ID (1): HP58905C Instrument ID (2): _____

GC Column (1):DB-1701 ID:0.53(mm) GC Column (2):_____ ID:____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK18QC2	071701-B04QC2	07/24/01	
02	21G (21.5)MSB	011820A-04MSB	07/25/01	
03	21G (21.5)	011820A-04	07/25/01	
04	21G (21.5)MS	011820A-04MS	07/25/01	
05	21G (21.5)MSD	011820A-04MSD	07/25/01	
06	21G (26.5)	011820A-05	07/25/01	
07	REP-1	011820A-06	07/25/01	
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Instrument: HP58905C Sequence: C5108

Column: DB-1701 ID: .53 Date(s) Analyzed: 07/21/01 07/22/01

Compound	Retention Time of Standards					Mean RT	RT Windows	
	1	2	3	4	5		From	To
alpha-BHC	8.22	8.21	8.22	8.22	8.2	8.21	8.16	8.26
beta-BHC	11.49	11.49	11.5	11.5	11.5	11.5	11.45	11.55
delta-BHC	12.39	12.39	12.4	12.4	12.4	12.4	12.35	12.45
gamma-BHC (Lindane)	9.15	9.15	9.15	9.15	9.13	9.15	9.1	9.2
Heptachlor	9.7	9.69	9.7	9.7	9.69	9.7	9.65	9.75
Aldrin	10.5	10.5	10.51	10.51	10.5	10.5	10.45	10.55
Heptachlor epoxide	13.03	13.03	13.04	13.04	13.04	13.04	12.99	13.09
Endosulfan I	14.25	14.24	14.24	14.25	14.25	14.25	14.2	14.3
Dieldrin	16.22	16.21	16.22	16.22	16.18	16.21	16.16	16.26
4,4'-DDE	15.55	15.55	15.56	15.56	15.52	15.55	15.5	15.6
Endrin	17.37	17.36	17.37	17.37	17.37	17.37	17.32	17.42
Endosulfan II	20.67	20.67	20.67	20.67	20.66	20.67	20.62	20.72
4,4'-DDD	20.7	20.7	20.7	20.71	20.71	20.7	20.65	20.75
Endosulfan sulfate	24.34	24.34	24.34	24.34	24.32	24.34	24.29	24.39
4,4'-DDT	21.61	21.61	21.61	21.62	21.61	21.61	21.56	21.66
Methoxychlor	24.75	24.74	24.74	24.72	24.68	24.73	24.68	24.78
Endrin ketone	25.86	25.86	25.87	25.87	25.84	25.86	25.81	25.91
Endrin aldehyde	22.89	22.89	22.9	22.9	22.9	22.9	22.85	22.95
alpha-Chlordane	14.88	14.88	14.89	14.89	14.89	14.89	14.84	14.94
gamma-Chlordane	14.59	14.6	14.6	14.6	14.61	14.6	14.55	14.65
Isodrin	11.87	11.87	11.87	11.87	11.87	11.87	11.82	11.92
Chlorobenzilate	19.76	19.76	19.76	19.76	19.76	19.76	19.71	19.81
Mirex	23.6	23.6	23.6	23.61	23.61	23.6	23.55	23.65
Tetrachloro-m-xylene	6.23	6.22	6.23	6.23	6.21	6.22	6.17	6.27
Decachlorobiphenyl	28.89	28.89	28.89	28.89	28.88	28.89	28.84	28.94

GC INITIAL CALIBRATION OF SINGLE & MULTI COMPONENT ANALYTES

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Instrument: HP58905C Sequence: C5108

Column: DB-1701 ID: 0.53 Date(s) Analyzed: 07/21/01 07/22/01

Compound	Calibration Factors						%RSD
	1	2	3	4	5	Mean	
alpha-BHC	41491600	52343700	63299320	66679540	59239660	56610764	17.7
beta-BHC	32918000	33284900	33786800	36222720	35836750	34409834	4.4
delta-BHC	34978600	39512900	47711880	56362660	59886350	47690478	22.3
gamma-BHC (Lindane)	43865800	53866200	62476720	64640660	60900140	57149904	14.8
Heptachlor	50195400	56649900	59475440	61239020	61459850	57803922	8.1
Aldrin	42901400	47442900	54429080	61384000	62744200	53780316	16
Heptachlor epoxide	48484800	50764000	53550800	58991120	61111150	54580374	9.8
Endosulfan I	41933600	47606100	51851640	53894960	56577280	50372716	11.4
Dieldrin	42117900	49018250	56369420	58760070	56269940	52507116	13.1
4,4'-DDE	42593700	48645700	54374220	60018290	55815685	52289517	13
Endrin	35422900	40996450	44986680	47376080	49861455	43728713	13
Endosulfan II	42585800	44200950	47791640	51197430	52479730	47651110	9
4,4'-DDD	26463400	32444050	36092240	40603030	44281860	35976916	19.3
Endosulfan sulfate	32677700	35857950	39347240	42958700	43646150	38897548	12
4,4'-DDT	27105100	32074100	37308700	41396680	45547530	36686422	19.9
Methoxychlor	15822400	18309200	18590424	17825076	12007230	16510866	16.6
Endrin ketone	34981600	36935950	40430220	43850510	44313255	40102307	10.3
Endrin aldehyde	27962200	29192550	30548900	32067260	34010690	30756320	7.7
alpha-Chlordane	54520400	57616100	59732960	64083160	65686610	60327846	7.6
gamma-Chlordane	51628200	54082400	55919640	60941520	63623690	57239090	8.6
Isodrin	39697800	45345700	51028000	53123580	55576790	48954374	13.1
Chlorobenzilate	9191780	8560900	6880668	5677654	4913454	7044891	25.9
Mirex	48701000	50701700	50146960	48089000	47258600	48979452	2.9
Tetrachloro-m-xylene	55443200	60616700	60977440	58745600	56093960	58375380	4.3
Decachlorobiphenyl	43967500	46061750	43865580	37623450	35202195	41344095	11.3
Aroclor-1016 (1)	1950200	1754690	1712500	1514270	1369081	1660148	13.5
Aroclor-1016 (2)	3637340	3374070	3258375	2900320	2609046	3155830	12.8
Aroclor-1016 (4)	6762320	6409180	6223340	5625472	5135378	6031138	10.8

GC INITIAL CALIBRATION OF SINGLE & MULTI COMPONENT ANALYTES

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Instrument: HP58905C Sequence: C5108

Column: DB-1701 ID: 0.53 Date(s) Analyzed: 07/21/01 07/22/01

Compound	Calibration Factors						%RSD
	1	2	3	4	5	Mean	
Aroclor-1016 (5)	3307020	3091070	3050175	2778508	2555906	2956536	9.9
Aroclor-1016 (6)	2216300	2111520	2146195	1990010	1866615	2066128	6.7
Aroclor-1260 (1)	5475440	5338210	5077265	4709055	4366209	4993236	9.1
Aroclor-1260 (3)	3096820	3162940	3009345	2826718	2677481	2954661	6.8
Aroclor-1260 (4)	3224560	3174030	3089475	2935900	2830384	3050870	5.4
Aroclor-1260 (5)	5681520	5752550	5743175	5611768	5588282	5675459	1.3
Aroclor-1260 (7)	4049940	3773810	4066500	3995692	3968074	3970803	2.9

6F

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Instrument ID: HP58905C Date(s) Analyzed: 07/21/01 07/21/01

GC Column: DB-1701 ID: .53 (mm)

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Technical Chlordane	*1	9.69	9.64	9.74	3273220
	*2	11.32	11.27	11.37	1963660
	*3	14.60	14.55	14.65	5654190
	4	14.91	14.86	14.96	8657830
	5	19.28	19.23	19.33	2430900
Toxaphene	*1	19.08	19.03	19.13	724434
	*2	21.85	21.80	21.90	2264868
	*3	22.26	22.21	22.31	904438
	4	23.54	23.49	23.59	1233228
	5	23.96	23.91	24.01	1767892
Aroclor-1016	*1	7.56	7.51	7.61	1660148
	*2	8.37	8.32	8.42	3155830
	*3	9.48	9.43	9.53	6031138
	4	9.83	9.78	9.88	2956536
	5	10.13	10.08	10.18	2066128
Aroclor-1221	*1	7.10	7.05	7.15	878670
	*2	7.43	7.38	7.48	572640
	*3	7.56	7.51	7.61	2197240
	4	8.70	8.65	8.75	589155
	5	9.48	9.43	9.53	398015
Aroclor-1232	*1	7.09	7.04	7.14	770810
	*2	7.56	7.51	7.61	2045580
	*3	8.37	8.32	8.42	1550650
	4	9.48	9.43	9.53	2854390
	5	11.26	11.21	11.31	1230350
Aroclor-1242	*1	7.56	7.51	7.61	1491590
	*2	8.37	8.32	8.42	2666800
	*3	9.48	9.43	9.53	4977850
	4	10.13	10.08	10.18	1679720
	5	12.82	12.77	12.87	3989300
Aroclor-1248	*1	8.37	8.32	8.42	1344040
	*2	9.48	9.43	9.53	3418120
	*3	10.48	10.43	10.53	6155840
	4	11.27	11.22	11.32	3990280
	5	12.82	12.77	12.87	7880770
Aroclor-1254	*1	10.44	10.39	10.49	2720860
	*2	12.78	12.73	12.83	6063830
	*3	14.84	14.79	14.89	1782890
	4	15.88	15.83	15.93	5522900
	5	17.37	17.32	17.42	4438100
Aroclor-1260	*1	18.25	18.20	18.30	4993236
	*2	20.79	20.74	20.84	2954661
	*3	22.43	22.38	22.48	3050870
	4	23.83	23.78	23.88	5675459
	5	25.27	25.22	25.32	3970803

* Denotes required peaks

7F

MULTI COMPONENT CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

GC Column: DB-1701 ID: .53 (mm) Init. Calib Date(s): 07/21/01 07/21/01

Sample No.(PIBLK): PIBLK Date Analyzed : 07/22/01

Lab File ID: C5108046 Time Analyzed : 2013

Sample No. : AR16603 Date Analyzed : 07/22/01

Lab File ID: C5108045 Time Analyzed : 1932

MULTI COMPONENT COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	% DIFF
Aroclor-1016	1*	7.56	7.51	7.61	0.20414	0.200	2.1
	2*	8.37	8.32	8.42			
	3*	9.48	9.43	9.53			
	4	9.83	9.78	9.88			
	5	10.13	10.08	10.18			
Aroclor-1260	1*	18.24	18.20	18.30	0.21199	0.200	6.0
	2*	20.78	20.74	20.84			
	3*	22.43	22.38	22.48			
	4	23.82	23.78	23.88			
	5	25.27	25.22	25.32			

* in Peak column indicates required peaks.

QC LIMITS: % Difference of amounts must be +/- 15.0%.

7F

MULTI COMPONENT CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

GC Column: DB-1701 ID: .53 (mm) Init. Calib Date(s): 07/21/01 07/21/01

Sample No.(PIBLK): PIBLK Date Analyzed : 07/24/01

Lab File ID: C5108076 Time Analyzed : 1811

Sample No. : AR16603 Date Analyzed : 07/24/01

Lab File ID: C5108074 Time Analyzed : 1645

MULTI COMPONENT COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	% DIFF
Aroclor-1016	1*	7.56	7.51	7.61	0.21215	0.200	6.1
	2*	8.37	8.32	8.42			
	3*	9.47	9.43	9.53			
	4	9.82	9.78	9.88			
	5	10.12	10.08	10.18			
Aroclor-1260	1*	18.23	18.20	18.30	0.21755	0.200	8.8
	2*	20.77	20.74	20.84			
	3*	22.42	22.38	22.48			
	4	23.82	23.78	23.88			
	5	25.26	25.22	25.32			

* in Peak column indicates required peaks.

QC LIMITS: % Difference of amounts must be +/- 15.0%.

7F

MULTI COMPONENT CALIBRATION VERIFICATION SUMMARY

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

GC Column: DB-1701 ID: .53 (mm) Init. Calib Date(s): 07/21/01 07/21/01

Sample No.(PIBLK): PIBLK Date Analyzed : 07/25/01

Lab File ID: C5108096 Time Analyzed : 0749

Sample No. : AR16603 Date Analyzed : 07/25/01

Lab File ID: C5108095 Time Analyzed : 0708

MULTI COMPONENT COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	% DIFF
Aroclor-1016	1*	7.56	7.51	7.61	0.22031	0.200	10.2
	2*	8.37	8.32	8.42			
	3*	9.47	9.43	9.53			
	4	9.82	9.78	9.88			
	5	10.13	10.08	10.18			
Aroclor-1260	1*	18.23	18.20	18.30	0.20859	0.200	4.3
	2*	20.78	20.74	20.84			
	3*	22.43	22.38	22.48			
	4	23.82	23.78	23.88			
	5	25.27	25.22	25.32			

* in Peak column indicates required peaks.

QC LIMITS: % Difference of amounts must be +/- 15.0%.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

GC Column: DB-1701 ID: 0.53(mm) Init. Calib. Date(s): 07/21/01 07/21/01

Instrument ID: HP58905C

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.22 DCB: 28.89

	SAMPLE NO.	LAB SAMPLE ID	DATE & TIME ANALYZED	TCX RT	#	DCB RT	#
01	INDA1	INDA1	07/21/01 1409	6.23		28.89	
02	INDB1	INDB1	07/21/01 1451	6.23		28.88	
03	INDA2	INDA2	07/21/01 1532	6.22		28.89	
04	INDB2	INDB2	07/21/01 1613	6.23		28.89	
05	INDA3	INDA3	07/21/01 1654	6.23		28.89	
06	INDB3	INDB3	07/21/01 1735	6.23		28.89	
07	INDA4	INDA4	07/21/01 1816	6.23		28.89	
08	INDB4	INDB4	07/21/01 1857	6.23		28.89	
09	INDA5	INDA5	07/21/01 1938	6.21		28.88	
10	INDB5	INDB5	07/21/01 2019	6.22		28.89	
11	TCLR2	TCLR2	07/21/01 2100	6.23		28.89	
12	TOXAPH2	TOXAPH2	07/21/01 2141	6.23		28.88	
13	AR16601	AR16601	07/21/01 2222	6.23		28.89	
14	AR16602	AR16602	07/21/01 2303	6.23		28.88	
15	AR16603	AR16603	07/21/01 2344	6.22		28.88	
16	AR16604	AR16604	07/22/01 0025	6.23		28.88	
17	AR16605	AR16605	07/22/01 0106	6.23		28.88	
18	AR12212	AR12212	07/22/01 0147	6.23		28.89	
19	AR12322	AR12322	07/22/01 0227	6.23		28.88	
20	AR12422	AR12422	07/22/01 0309	6.23		28.89	
21	AR12482	AR12482	07/22/01 0349	6.22		28.88	
22	AR12542	AR12542	07/22/01 0430	6.23		28.89	
23	PIBLK	PIBLK	07/22/01 0714	6.22		28.88	
24	PBLK19	071801-B02	07/22/01 0836	6.23		28.89	
25	PBLK19QC2	071801-B02	07/22/01 0958	6.27		28.89	
26	B071201	011820A-13	07/22/01 1201	6.23		28.89	
27	AR16603	AR16603	07/22/01 1932	6.22		28.88	
28	PIBLK	PIBLK	07/22/01 2013	6.22		28.88	
29	AR16603	AR16603	07/24/01 1645	6.22		28.87	
30	PIBLK	PIBLK	07/24/01 1811	6.22		28.87	
31	PBLK18	071701-B04	07/24/01 1852	6.23		28.88	
32	PBLK18QC2	071701-B04	07/24/01 2013	6.23		28.89	

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.05 MINUTES)

Column used to flag retention time values with a asterisk.
* Values outside of QC limits.

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8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: STL-CT Contract: _____

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

GC Column: DB-1701 ID: 0.53(mm) Init. Calib. Date(s): 07/21/01 07/21/01

Instrument ID: HP58905C

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.22 DCB: 28.89

	SAMPLE NO.	LAB SAMPLE ID	DATE & TIME ANALYZED	TCX RT #	DCB RT #
01	21G (21.5)MSB	011820A-04	07/25/01 0100	6.23	28.89
02	21G (21.5)	011820A-04	07/25/01 0141	6.23	28.89
03	21G (21.5)MS	011820A-04	07/25/01 0222	6.23	28.89
04	21G (21.5)MSD	011820A-04	07/25/01 0302	6.23	28.89
05	21G (26.5)	011820A-05	07/25/01 0343	6.23	28.89
06	REP-1	011820A-06	07/25/01 0424	6.23	28.89
07	AR16603	AR16603	07/25/01 0708	6.22	28.88
08	PIBLK	PIBLK	07/25/01 0749	6.22	28.88
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31				✓	✓
32					

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.05 MINUTES)

Column used to flag retention time values with a asterisk.
* Values outside of QC limits.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Lab Name: STL-CT Contract: _____ Client ID: 21G (26.5)

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Lab Sample ID : 011820A-05 Date(s) Analyzed: 07/25/01

Instrument ID (1): HP58905C Instrument ID (2): _____

GC Column(1): DB-1701 0.53 (mm) GC Column(2): _____ ____ (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONC.	%D
PCB-1260	1	18.24	18.20	18.30	1.1	
	2	22.43	22.38	22.48		
	3	23.83	23.78	23.88		
COLUMN 1	4	25.27	25.22	25.32		
	5					
	1					
	2					
	3					
COLUMN 2	4					
	5					

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Lab Name: STL-CT Contract: _____ Client ID: REP-1

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Lab Sample ID : 011820A-06 Date(s) Analyzed: 07/25/01 _____

Instrument ID (1): HP58905C Instrument ID (2): _____

GC Column(1): DB-1701 0.53(mm) GC Column(2): _____ _____(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONC.	%D
PCB-1260	1	18.23	18.20	18.30	2.7	
	2	22.43	22.38	22.48		
	3	23.83	23.78	23.88		
COLUMN 1	4	25.27	25.22	25.32		
	5					
	1	✓				
	2					
	3					
COLUMN 2	4					
	5					

FORM X PEST-2
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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Lab Name: STL-CT Contract: _____ Client ID: 21G (21.5)MS

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Lab Sample ID : 011820A-04MS Date(s) Analyzed: 07/25/01 _____

Instrument ID (1): HP58905C Instrument ID (2): _____

GC Column(1): DB-1701 0.53(mm) GC Column(2): _____ ____(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONC.	%D
PCB-1260	1	18.25	18.20	18.30	72.	
	2	20.79	20.74	20.84		
COLUMN 1	3	22.43	22.38	22.48		
	4	23.83	23.78	23.88		
	5	25.28	25.22	25.32		
	1	✓				
	2					
	3					
COLUMN 2	4					
	5					

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GC-8082:rev1.0

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Lab Name: STL-CT Contract: _____ Client ID: 21G (21.5)MSD

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Lab Sample ID : 011820A-04MSD Date(s) Analyzed: 07/25/01 _____

Instrument ID (1): HP58905C Instrument ID (2): _____

GC Column(1): DB-1701 0.53(mm) GC Column(2): _____ ____(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONC.	%D
PCB-1260	1	18.25	18.20	18.30	65.	
	2	20.79	20.74	20.84		
COLUMN 1	3	22.44	22.38	22.48		
	4	23.83	23.78	23.88		
	5	25.28	25.22	25.32		
	1	✓				
	2					
	3					
COLUMN 2	4					
	5					

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GC-8082:rev1.0

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Lab Name: STL-CT Contract: _____ Client ID: 21G (21.5)MSB

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Lab Sample ID : 011820A-04MSB Date(s) Analyzed: 07/25/01 _____

Instrument ID (1): HP58905C Instrument ID (2): _____

GC Column(1): DB-1701 0.53 (mm) GC Column(2): _____ ____ (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	TO	CONC.	%D
PCB-1260	1	18.25	18.20	18.30	64.	
	2	20.79	20.74	20.84		
COLUMN 1	3	22.44	22.38	22.48		
	4	23.83	23.78	23.88		
	5	25.28	25.22	25.32		
	1					
	2	✓				
	3					
COLUMN 2	4					
	5					

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FORM X PEST-2
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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Lab Name: STL-CT Contract: _____ Client ID: PBLK18QC2

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Lab Sample ID : 071701-B04QC2 Date(s) Analyzed: 07/24/01 _____

Instrument ID (1): HP58905C Instrument ID (2): _____

GC Column(1): DB-1701 0.53(mm) GC Column(2): _____ ____(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONC.	%D
PCB-1242	1	7.56	7.51	7.61	140	
	2	8.37	8.32	8.42		
	3	9.48	9.43	9.53		
COLUMN 1	4	10.13	10.08	10.18		
	5	12.80	12.77	12.87		
	1					
	2					
	3					
COLUMN 2	4					
	5					
PCB-1260	1	18.25	18.20	18.30	170	
	2	20.79	20.74	20.84		
	3	22.44	22.38	22.48		
COLUMN 1	4	23.83	23.78	23.88		
	5	25.27	25.22	25.32		
	1					
	2					
	3					
COLUMN 2	4					
	5					

FORM X PEST-2
GC-8082:rev1.0

10B

PESTICIDE IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

Lab Name: STL-CT Contract: _____ Client ID: PBLK19QC2

Lab Code: IEACT Case No.: 1820A SDG No.: A1820

Lab Sample ID : 071801-B02QC2 Date(s) Analyzed: 07/22/01 _____

Instrument ID (1): HP58905C Instrument ID (2): _____

GC Column(1): DB-1701 0.53(mm) GC Column(2): _____ _____(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONC.	%D
PCB-1242	1	7.56	7.51	7.61	4.4	
	2	8.37	8.32	8.42		
	3	9.48	9.43	9.53		
COLUMN 1	4	10.13	10.08	10.18		
	5	12.81	12.77	12.87		
	1					
	2					
	3					
COLUMN 2	4					
	5					
PCB-1260	1	18.25	18.20	18.30	5.2	
	2	20.79	20.74	20.84		
	3	22.44	22.38	22.48		
COLUMN 1	4	23.83	23.78	23.88		
	5	25.27	25.22	25.32		
	1					
	2					
	3					
COLUMN 2	4					
	5					

FORM X PEST-2
GC-8082:rev1.0

STANDARD CONCENTRATIONS (ng)
SW846 - 8081A/8082 Analysis

Pesticides	Level 1	Level 2	Level 3	Level 4	Level 5
alpha-BHC	0.005	0.01	0.025	0.05	0.10
beta-BHC	0.005	0.01	0.025	0.05	0.10
delta-BHC	0.005	0.01	0.025	0.05	0.10
gamma-BHC	0.005	0.01	0.025	0.05	0.10
Heptachlor	0.005	0.01	0.025	0.05	0.10
Aldrin	0.005	0.01	0.025	0.05	0.10
Heptachlor Epoxide	0.005	0.01	0.025	0.05	0.10
Endosulfan I	0.005	0.01	0.025	0.05	0.10
Dieldrin	0.01	0.02	0.05	0.10	0.20
4,4'-DDE	0.01	0.02	0.05	0.10	0.20
Endrin	0.01	0.02	0.05	0.10	0.20
Endosulfan II	0.01	0.02	0.05	0.10	0.20
4,4'-DDD	0.01	0.02	0.05	0.10	0.20
Endosulfan Sulfate	0.01	0.02	0.05	0.10	0.20
4,4'-DDT	0.01	0.02	0.05	0.10	0.20
Methoxychlor	0.05	0.10	0.25	0.50	1.00
Endrin Aldehyde	0.01	0.02	0.05	0.10	0.20
Endrin Ketone	0.01	0.02	0.05	0.10	0.20
alpha-Chlordane	0.005	0.01	0.025	0.05	0.10
gamma-Chlordane	0.005	0.01	0.025	0.05	0.10
Toxaphene	0.25	0.50	1.00	2.00	4.00
Technical Chlordane	0.05	0.10	0.20	0.40	0.80
Tetrachloro-m-xylene (surrogate)	0.005	0.01	0.025	0.05	0.10
Decachlorobiphenyl (surrogate)	0.01	0.02	0.05	0.10	0.20
* Isodrin	0.005	0.01	0.025	0.05	0.10
* Chlorobenzilate	0.05	0.10	0.25	0.50	1.00

* Appendix 9 compounds

Aroclors	Level 1	Level 2	Level 3	Level 4	Level 5
PCB-1016	0.05	0.10	0.20	0.40	0.80
PCB-1221	0.10	0.20	0.40	0.80	1.6
PCB-1232	0.05	0.10	0.20	0.40	0.80
PCB-1242	0.05	0.10	0.20	0.40	0.80
PCB-1248	0.05	0.10	0.20	0.40	0.80
PCB-1254	0.05	0.10	0.20	0.40	0.80
PCB-1260	0.05	0.10	0.20	0.40	0.80

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

SOW No.: ILM04.0

Field Sample ID	Lab Sample ID.
21G (0-1)	011820A-01
21G (4-5)	011820A-02
21G (9-10)	011820A-03
21G (21.5)D	011820A-04D
21G (21.5)S	011820A-04S
21G (21.5)	011820A-04
21G (26.5)	011820A-05
REP-1	011820A-06
21H (0-1)	011820A-07
21H (4-5)	011820A-08
21H (9-10)	011820A-09
21I (0-1)	011820A-10
21I (4-5)	011820A-11
21I (9-10)	011820A-12
FB071201	011820A-13
15D	011820A-15
15E	011820A-16
15F	011820A-17
15G	011820A-18
15H	011820A-19

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Daniel W. Hoffman

Date: 7/26/01 Title: Complex Manager

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

SOW No.: ILM04.0

Field Sample ID	Lab Sample ID.
15I	011820A-20

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Daniel W. Nelson

Date: 7/26/01 Title: Group Leader

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	1000.0	1009.35	100.9	500.0	509.11	101.8	508.82	101.8	P
Arsenic	1000.0	977.11	97.7	500.0	500.26	100.0	501.87	100.4	P
Barium									NR
Beryllium	1000.0	967.85	96.8	500.0	497.73	99.5	489.51	97.9	P
Cadmium	1000.0	970.78	97.1	500.0	505.02	101.0	502.53	100.5	P
lcium									NR
romium	1000.0	950.78	95.1	500.0	492.52	98.5	485.58	97.1	P
Cobalt									NR
Copper	1000.0	978.26	97.8	500.0	488.07	97.6	483.79	96.8	P
Iron									NR
Lead	1000.0	998.35	99.8	500.0	514.47	102.9	510.57	102.1	P
Magnesium									NR
Manganese									NR
Mercury	5.0	5.10	102.0	5.0	5.15	103.0	5.23	104.6	CV
Nickel	1000.0	950.79	95.1	500.0	492.11	98.4	488.60	97.7	P
Potassium									NR
Selenium	1000.0	998.77	99.9	500.0	509.36	101.9	509.99	102.0	P
Silver	100.0	95.50	95.5	50.0	48.83	97.7	48.33	96.7	P
Sodium									NR
Thallium	1000.0	1042.30	104.2	500.0	533.92	106.8	526.66	105.3	P
Vanadium									NR
Zinc	1000.0	989.52	99.0	500.0	517.05	103.4	516.30	103.3	P
Cyanide									NR
			✓			✓		✓	

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Initial Calibration Source: INORG. VENT

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				500.0	504.13	100.8	515.69	103.1	P
Arsenic				500.0	504.94	101.0	519.65	103.9	P
Barium									NR
Beryllium				500.0	489.41	97.9	504.10	100.8	P
Cadmium				500.0	503.77	100.8	520.53	104.1	P
Calcium									NR
Chromium				500.0	487.38	97.5	501.53	100.3	P
Cobalt									NR
Copper				500.0	480.72	96.1	485.40	97.1	P
Iron									NR
Lead				500.0	511.12	102.2	528.03	105.6	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.25	105.0			CV
Nickel				500.0	489.11	97.8	501.88	100.4	P
Potassium									NR
Selenium				500.0	507.85	101.6	524.67	104.9	P
Silver				50.0	48.45	96.9	49.70	99.4	P
Sodium									NR
Thallium				500.0	533.95	106.8	545.64	109.1	P
Vanadium									NR
Zinc				500.0	518.70	103.7	533.71	106.7	P
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				500.0	513.92	102.8	517.79	103.6	P
Arsenic				500.0	520.82	104.2	513.31	102.7	P
Barium									NR
Beryllium				500.0	508.59	101.7	498.81	99.8	P
Cadmium				500.0	521.59	104.3	511.42	102.3	P
Calcium									NR
Chromium				500.0	505.92	101.2	495.89	99.2	P
Cobalt									NR
Copper				500.0	488.86	97.8	487.13	97.4	P
Iron									NR
Lead				500.0	528.26	105.6	521.45	104.3	P
Magnesium									NR
Manganese									NR
Mercury	5.0	5.05	101.0	5.0	5.16	103.2	5.31	106.2	CV
Nickel				500.0	505.50	101.1	496.80	99.4	P
Potassium									NR
Selenium				500.0	522.35	104.5	521.70	104.3	P
Silver				50.0	50.28	100.6	49.15	98.3	P
Sodium									NR
Thallium				500.0	554.46	110.9	538.08	107.6	P
Vanadium									NR
Zinc				500.0	534.68	106.9	525.69	105.1	P
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				500.0	513.99	102.8			P
Arsenic				500.0	512.95	102.6			P
Barium									NR
Beryllium				500.0	506.11	101.2			P
Cadmium				500.0	517.95	103.6			P
Calcium									NR
Chromium				500.0	502.28	100.4			P
Cobalt									NR
Copper				500.0	491.29	98.2			P
Iron									NR
Lead				500.0	526.91	105.4			P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.37	107.4			CV
Nickel				500.0	502.24	100.4			P
Potassium									NR
Selenium				500.0	522.37	104.5			P
Silver				50.0	49.64	99.3			P
Sodium									NR
Thallium				500.0	551.86	110.4			P
Vanadium									NR
Zinc				500.0	530.90	106.2			P
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
[illegible]lcium									NR
[illegible]romium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	5.0	5.10	102.0	5.0	5.04	100.8	4.37	87.4	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Initial Calibration Source: INORG. VENT.

Continuing Calibration Source: INORG. VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	4.22	84.4			CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110 ; Cyanide 85-115;

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2B
CRDL STANDARD FOR AA AND ICP

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

AA CRDL Standard Source: INORG. VENT.

ICP CRDL Standard Source: INORG. VENT.

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R(1)	True	Initial Found	%R(1)	Final Found	%R(1)
Aluminum								
Antimony				120.0	124.32	103.6	125.98	105.0
Arsenic				20.0	19.88	99.4	21.39	107.0
Barium								
Beryllium				10.0	10.43	104.4	10.57	105.7
Cadmium				10.0	10.51	105.1	10.65	106.5
Calcium								
Chromium				20.0	20.55	102.8	20.71	103.6
Cobalt								
Copper				50.0	50.32	100.6	49.59	99.2
Iron								
Lead				6.0	6.91	115.3	7.22	120.4
Magnesium								
Manganese								
Mercury								
Nickel				80.0	82.01	102.5	82.86	103.6
Potassium								
Selenium				10.0	11.00	110.0	10.44	104.4
Silver				20.0	20.27	101.4	20.46	102.3
Sodium								
Thallium				20.0	22.51	112.6	21.47	107.4
Vanadium								
Zinc				60.0	39.73	66.2	40.87	68.1
Cyanide								

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3
BLANKS

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	8.8	B	8.3		8.1	B	6.6	B	0.800	U	P
Arsenic	4.2	U	4.2	U	4.2	U	4.2	U	0.764	U	P
Barium											NR
ryllium	0.5	U	0.5	U	0.5	U	0.5	B	0.091	U	P
dmium	0.9	U	0.9	U	0.9	U	0.9	U	0.164	U	P
Calcium											NR
Chromium	0.8	U	0.8	U	0.8	U	0.8	U	0.145	U	P
Cobalt											NR
Copper	1.6	U	1.6	U	1.6	U	1.6	U	0.291	U	P
Iron											NR
Lead	2.0	U	2.0	U	2.0	U	2.0	U	0.364	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.001	U	CV
Nickel	1.3	U	1.3	U	1.3	U	1.3	U	0.236	U	P
Potassium											NR
Selenium	4.9	U	4.9	U	4.9	U	4.9	U	0.891	U	P
Silver	1.0	U	1.0	U	1.0	U	1.0	U	0.182	U	P
Sodium											NR
Thallium	9.1	U	9.1	U	9.1	U	9.1	U	1.654	U	P
Vanadium											NR
Zinc	5.0	U	5.0	U	5.0	U	5.0	U	0.909	U	P
Cyanide											NR

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3
BLANKS

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			5.5	B	8.1	B	6.3	B	4.400	U	P
Arsenic			4.2	U	4.2	U	4.2	U	4.200	U	P
Barium											NR
Beryllium			0.5	U	0.5	U	0.5	U	0.500	U	P
Cadmium			0.9	U	0.9	U	0.9	U	0.900	U	P
Calcium											NR
Chromium			0.8	U	0.8	U	0.8	U	0.800	U	P
Cobalt											NR
Copper			1.6	U	1.6	U	1.6	U	1.600	U	P
Iron											NR
Lead			2.0	U	2.0	U	2.0	U	2.000	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel			1.3	U	1.3	U	1.3	U	1.300	U	P
Potassium											NR
Selenium			4.9	U	4.9	U	4.9	U	4.900	U	P
Silver			1.0	U	1.0	U	1.0	U	1.000	U	P
Sodium											NR
Thallium			9.1	U	9.1	U	9.1	U	9.100	U	P
Vanadium											NR
Zinc			5.0	U	5.0	U	5.0	U	11.803	B	P
Cyanide											NR

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3
BLANKS

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony			8.9	B							P
Arsenic			4.2	U							P
Barium											NR
Beryllium			0.5	U							P
Cadmium			0.9	U							P
Calcium											NR
Chromium			0.8	U							P
Cobalt											NR
Copper			1.6	U							P
Iron											NR
Lead			2.0	U							P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U			CV
Nickel			1.3	U							P
Potassium											NR
Selenium			4.9	U							P
Silver			1.0	U							P
Sodium											NR
Thallium			9.1	U							P
Vanadium											NR
Zinc			5.0	U							P
Cyanide											NR

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4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

ID Number: JA61E ICS Source: EPA-LV87

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000							
Antimony		600	6	578.8	96.4	3	589.2	98.2
Arsenic		100	1	101.7	101.7	4	103.2	103.2
Barium								
Beryllium		500	0	448.6	89.7	0	449.1	89.8
dmium		1000	4	890.2	89.0	4	897.8	89.7
lcium	500000							
Chromium		500	2	434.8	86.9	1	438.4	87.6
Cobalt								
Copper		500	0	528.3	105.6	0	525.8	105.1
Iron	200000							
Lead		50	5	52.8	105.6	6	53.0	106.1
Magnesium	500000							
Manganese								
Mercury								
Nickel		1000	0	908.3	90.8	0	916.3	91.6
Potassium								
Selenium		50	-4	46.9	93.8	-1	45.3	90.7
Silver		200	0	200.0	100.0	0	201.4	100.7
Sodium								
Thallium		100	-8	90.0	90.0	-11	92.5	92.5
Vanadium								
Zinc		1000	1	983.3	98.3	0	998.4	99.8
Cyanide								

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0116

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

21G (21.5)S

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix: SOIL Level (low/med): LOW

% Solids for Sample: 94.37

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

Analyte	Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	60.1609		0.8477	U	92.14	65.3	N	P
Arsenic	75-125	8.7903		2.4334	B	7.37	86.2		P
Barium									NR
Beryllium	75-125	9.6552		0.4391	B	9.21	100.0		P
Cadmium	75-125	0.7213	B	0.1734	U	0.92	78.3		P
Calcium									NR
Chromium	75-125	66.6218		37.0092		36.86	80.3		P
Cobalt									NR
Copper	75-125	57.9059		15.4498		46.07	92.2		P
Iron									NR
Lead	75-125	6.5653		3.2048	B	3.68	91.2		P
Magnesium									NR
Manganese									NR
Mercury	75-125	0.0360		0.0029	U	0.03	110.0		CV
Nickel	75-125	127.1593		38.6408		92.14	96.1		P
Potassium									NR
Selenium	75-125	1.4948	B	0.9440	U	1.84	81.1		P
Silver	75-125	8.9155		0.1927	U	9.21	96.8		P
Sodium									NR
Thallium	75-125	10.3557	B	1.7532	U	9.21	112.4		P
Vanadium									NR
Zinc	75-125	131.8211		37.4885		92.14	102.4		P
Cyanide									NR

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

21G (21.5)A

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix: SOIL Level (low/med): LOW

Concentration Units: MG/KG

Analyte	Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	101.0485		0.8477	U	500.00	104.9		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
[illegible]pper									NR
[illegible]n									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR
							✓		

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

21G (21.5)D

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix: SOIL Level (low/med): LOW

% Solids for Sample: 94.37 % Solids for Duplicate: 94.37

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		0.8477	U	0.8401	U			P
Arsenic		2.4334	B	0.8270	B	OK 98.5		P
Barium								NR
Beryllium		0.4391	B	0.3686	B	17.5		P
Cadmium		0.1734	U	0.1718	U			P
Calcium								NR
Chromium		37.0092		26.8981		OK 31.6	*	P
Cobalt								NR
Copper	4.7	15.4498		10.0131		42.7		P
Iron								NR
Lead		3.2048	B	1.9181	B	50.2		P
Magnesium								NR
Manganese								NR
Mercury		0.0029	U	0.0028	U			CV
Nickel		38.6408		30.1690		24.6		P
Potassium								NR
Selenium		0.9440	U	0.9356	U			P
Silver		0.1927	U	0.1909	U			P
Sodium								NR
Thallium		1.7532	U	1.7374	U			P
Vanadium								NR
Zinc	14.3	37.4885		33.2033		12.1		P
Cyanide								NR

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7

LABORATORY CONTROL SAMPLE

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Solid LCS Source: _____

Aqueous LCS Source: INORG. VENT.

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	1000.0	952.22	95.2						
Arsenic	1000.0	949.00	94.9						
Barium									
Beryllium	100.0	95.48	95.5						
Cadmium	300.0	284.44	94.8						
[illegible]lcium									
[illegible]romium	300.0	279.71	93.2						
Cobalt									
Copper	300.0	276.86	92.3						
Iron									
Lead	1000.0	959.44	95.9						
Magnesium									
Manganese									
Mercury	5.0	5.18	103.6						
Nickel	300.0	285.70	95.2						
Potassium									
Selenium	500.0	469.35	93.9						
Silver	300.0	91.94	30.6						
Sodium									
Thallium	1000.0	985.42	98.5						
Vanadium									
Zinc	300.0	310.45	103.5						
Cyanide									

✓

Total Metals

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7
LABORATORY CONTROL SAMPLE

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Solid LCS Source: INORG. VENT.

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony				68.9	62.2		18.8	119.0	90.3
Arsenic				136.0	138.4		101.0	171.0	101.8
Barium									
Beryllium				95.3	92.8		74.7	116.0	97.5
Cadmium				118.0	118.8		90.4	145.0	100.7
[illegible]lcium									
[illegible]romium				89.3	83.7		71.3	107.0	93.7
Cobalt									
Copper				117.0	117.2		95.7	138.0	100.2
Iron									
Lead				138.0	140.5		105.0	170.0	101.8
Magnesium									
Manganese									
Mercury				2.4	2.6		1.6	3.[illegible]	105.1
Nickel				156.0	157.1		122.0	190.0	100.7
Potassium									
Selenium				87.6	96.3		64.9	110.0	110.0
Silver				119.0	115.3		88.8	150.0	96.9
Sodium									
Thallium				139.0	150.5		79.6	199.0	108.3
Vanadium									
Zinc				66.0	61.5		42.9	89.1	93.2
Cyanide									

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8
STANDARD ADDITION RESULTS

Lab Name: STL Contract: ___________

Lab Code: STL Case No.: _______ SAS No.: _______ SDG No.: A1820

Concentration Units: ug/L

EPA Sample No.	An	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q

9
ICP SERIAL DILUTIONS

EPA SAMPLE NO.
21G (21.5)L

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix(soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	4.40	U	22.00	U			P
Arsenic	12.63	B	21.00	U	100.0		P
Barium							NR
Beryllium	2.28	B	3.45	B	51.4		P
Cadmium	0.90	U	4.50	U			P
Calcium							NR
Chromium	192.09		191.10		0.5		P
Cobalt							NR
Copper	80.19		77.21	B	3.7		P
Iron							NR
Lead	16.63	B	18.12	B	8.9		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	200.56		195.99		2.3		P
Potassium							NR
Selenium	4.90	U	24.50	U			P
Silver	1.00	U	5.00	U			P
Sodium							NR
Thallium	9.10	U	45.50	U			P
Vanadium							NR
Zinc	194.58		256.02	B	31.6		P
Cyanide							NR

✓

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10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

ICP ID Number: JA61E Date: 04/17/01

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					
Antimony	206.83		60.0	4.4	P
Arsenic	193.60		10.0	4.2	P
Barium					
Beryllium	234.86		5.0	.5	P
Cadmium	228.80		5.0	.9	P
Calcium					
Chromium	267.70		10.0	.8	P
Cobalt					
Copper	324.75		25.0	1.6	P
Iron					
Lead	220.35		3.0	2.0	P
Magnesium					
Manganese					
Mercury			.2		
Nickel	231.60		40.0	1.3	P
Potassium					
Selenium	196.02		5.0	4.9	P
Silver	328.06		10.0	1.0	P
Sodium					
Thallium	189.90		10.0	9.1	P
Vanadium					
Zinc	213.85		30.0	5.0	P

Comments:

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10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

ICP ID Number: _____ Date: 04/17/01

Flame AA ID Number: HG4

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					
Antimony			60.0		
Arsenic			10.0		
Barium					
Beryllium			5.0		
Cadmium			5.0		
Calcium					
Chromium			10.0		
Cobalt					
Copper			25.0		
Iron					
Lead			3.0		
Magnesium					
Manganese					
Mercury	253.70		.2	.1	CV
Nickel			40.0		
Potassium					
Selenium			5.0		
Silver			10.0		
Sodium					
Thallium			10.0		
Vanadium					
Zinc			30.0		

Comments:

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11A
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

ICP ID Number: JA61E Date: 06/05/00

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	Ag
Aluminum						
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic						
Barium						
Beryllium	234.86	0.0000000	-2.1540000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	-.0014590	1.1105000	0.0000000	0.0000000	0.0000000
Calcium						
Chromium	267.70	.0018652		-.0011680	-3.0940000	0.0000000
Cobalt						
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	-.4786330
Iron						
Lead	220.35	0.0000000	1.9097000	0.0000000	0.0000000	0.0000000
Magnesium						
Manganese						
Mercury						
Nickel	231.60	-.0027450	3.1950000	0.0000000	0.0000000	-.1560630
Potassium						
Selenium						
Silver	328.06	0.0000000		0.0000000	0.0000000	0.0000000
Sodium						
Thallium						
Vanadium						
Zinc	213.85	.0009443	8.7485000	0.0000000	0.0000000	0.0000000

Comments:

11B

ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

ICP ID Number: JA61E Date: 06/05/00

Analyte	Wave-length (nm)	Interelement Correction Factors for : As	B	Ba	Be	Cd
Aluminum						
Antimony	206.83	.2221185	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic						
Barium						
Beryllium	234.86	2.2054610	0.0000000	3.3925410	0.0000000	.2991092
Cadmium	228.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium						
Chromium	267.70	-6.3330600	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt						
Copper	324.75	0.0000000	-14.5688000	0.0000000	0.0000000	0.0000000
Iron						
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium						
Manganese						
Mercury						
Nickel	231.60	-.3004870	0.0000000	0.0000000	-.0254260	1.6268810
Potassium						
Selenium						
Silver	328.06	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium						
Thallium						
Vanadium						
Zinc	213.85	-1.3146900	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

ICP ID Number: JA61E Date: 06/05/00

Analyte	Wave-length (nm)	Interelement Correction Factors for : Co	Cr	Cu	K	Mn
Aluminum						
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic						
Barium						
Beryllium	234.86	0.0000000	-.1224680	0.0000000	0.0000000	0.0000000
Cadmium	228.80	-2.0803500	-1.0195500	0.0000000	0.0000000	0.0000000
Calcium						
Chromium	267.70	1.2502400	0.0000000	0.0000000	0.0000000	-.04[illegible]7720
Cobalt						
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
[illegible]on						
[illegible]ad	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium						
Manganese						
Mercury						
Nickel	231.60	-.0428020	0.0000000	0.0000000	0.0000000	0.0000000
Potassium						
Selenium						
Silver	328.06	[illegible].0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium						
Thallium						
Vanadium						
Zinc	213.85	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

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11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

ICP ID Number: JA61E Date: 06/05/00

Analyte	Wave-length (nm)	Interelement Correction Factors for : Mo	Na	Ni	Pb	Sb
Aluminum						
Antimony	206.83	0.0000000	.0959060	5.1763370	1.2997970	0.0000000
Arsenic						
Barium						
Beryllium	234.86	0.0000000	0.0000000	-.0145800	0.0000000	-1.6234400
Cadmium	228.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium						
Chromium	267.70	1.5194300	0.0000000	.4416338	-.1202820	7.7030790
Cobalt						
Copper	324.75	0.0000000	0.0000000	0.0000000	-3.6280800	0.0000000
Iron						
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium						
Manganese						
Mercury						
Nickel	231.60	5.5485240	0.0000000	0.0000000	-.2555120	2.1088370
Potassium						
Selenium						
Silver	328.06	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium						
Thallium						
Vanadium						
Zinc	213.85	0.0000000	0.0000000	0.0000000	0.0000000	-.6141440

Comments:

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11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

ICP ID Number: JA61E Date: 06/05/00

Analyte	Wave-length (nm)	Interelement Correction Factors for : Se	Sn	Ti	Tl	V
Aluminum						
Antimony	206.83	3.0897440	-.6053750	0.0000000	0.0000000	0.0000000
Arsenic						
Barium						
Beryllium	234.86	0.0000000	.6761988	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium						
Chromium	267.70	0.0000000	.2203577	.9567213	4.5557730	1.2170310
Cobalt						
Copper	324.75	.0519865	0.0000000	0.0000000	0.0000000	0.0000000
Iron						
Lead	220.35	.9428241	1.1606640	0.0000000	0.0000000	0.0000000
Magnesium						
Manganese						
Mercury						
Nickel	231.60	0.0000000	-.7297880	0.0000000	0.0000000	0.0000000
Potassium						
Selenium						
Silver	328.06	.5868963	0.0000000	0.0000000	0.0000000	0.0000000
Sodium						
Thallium						
Vanadium						
Zinc	213.85	.1325478	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

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11B
ICP Interelement correction Factors (Annually)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

ICP ID Number: JA61E Date: 06/05/00

Analyte	Wave-length (nm)	Interelement Correction Factors for : Zn	Zr			
Aluminum						
Antimony	206.83	-1.0792400	0.0000000			
Arsenic						
Barium						
Beryllium	234.86	0.0000000	0.0000000			
Cadmium	228.80	0.0000000	0.0000000			
Calcium						
Chromium	267.70	0.0000000	-.0096980			
Cobalt						
Copper	324.75	-1.9375200	0.0000000			
on						
ad	220.35	0.0000000	0.0000000			
Magnesium						
Manganese						
Mercury						
Nickel	231.60	-4.4617100	0.0000000			
Potassium						
Selenium						
Silver	328.06	-1.8535700	0.0000000			
Sodium						
Thallium						
Vanadium						
Zinc	213.85	0.0000000	0.0000000			

Comments:

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12
ICP Linear Ranges (Quarterly)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

ICP ID Number: JA61E Date: 04/17/01

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	6.00	500000.0	P
Antimony	6.00	10000.0	P
Arsenic	6.00	10000.0	P
Barium	6.00	10000.0	P
Beryllium	6.00	10000.0	P
Cadmium	6.00	10000.0	P
Calcium	6.00	200000.0	P
Chromium	6.00	200000.0	P
Cobalt	6.00	10000.0	P
Copper	6.00	100000.0	P
Iron	6.00	500000.0	P
Lead	6.00	500000.0	P
Magnesium	6.00	500000.0	P
Manganese	6.00	10000.0	P
Mercury			NR
Nickel	6.00	10000.0	P
Potassium	6.00	100000.0	P
Selenium	6.00	10000.0	P
Silver	6.00	10000.0	P
Sodium	6.00	500000.0	P
Thallium	6.00	100000.0	P
Vanadium	6.00	10000.0	P
Zinc	6.00	10000.0	P

Comments:

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13
PREPARATION LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Method: P

EPA Sample No.	Preparation Date	Weight (~~gram~~) mL	Volume (mL)
011820A-13	07/18/01	100.00	100
LCSW1	07/18/01	100.00	100
PBW1	07/18/01	100.00	100

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13
PREPARATION LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
011820A-01	07/18/01	1.10	200
011820A-02	07/18/01	1.14	200
011820A-03	07/18/01	1.02	200
011820A-04	07/18/01	1.10	200
011820A-04D	07/18/01	1.11	200
011820A-04S	07/18/01	1.15	200
011820A-04SD	07/18/01	1.10	200
011820A-05	07/18/01	1.09	200
011820A-06	07/18/01	1.11	200
011820A-07	07/18/01	1.23	200
011820A-08	07/18/01	1.25	200
011820A-09	07/18/01	1.09	200
011820A-10	07/18/01	1.26	200
011820A-11	07/18/01	1.16	200
011820A-12	07/18/01	1.03	200
011820A-15	07/18/01	1.08	200
011820A-16	07/18/01	1.29	200
011820A-17	07/18/01	1.18	200
011820A-18	07/18/01	1.16	200
011820A-19	07/18/01	1.16	200
011820A-20	07/18/01	1.17	200
LCSS1	07/18/01	1.00	200
PBS1	07/18/01	1.10	200

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13
PREPARATION LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Method: CV

EPA Sample No.	Preparation Date	Weight (~~gram~~) 07/24/01 RC	Volume (mL)
011820A-13	07/18/01	25.00	25
LCSW1	07/18/01	25.00	25
~~LCSW2~~	07/18/01	—	25
PBW1	07/18/01	25.00	25
~~PBW2~~	07/18/01	—	25

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PREPARATION LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
011820A-04	07/24/01	.92	25
011820A-04D	07/24/01	.95	25
011820A-04S	07/24/01	.81	25
011820A-04SD	07/24/01	.95	25
011820A-05	07/24/01	.76	25
011820A-06	07/24/01	.89	25
011820A-15	07/24/01	.61	25
011820A-16	07/24/01	.71	25
011820A-17	07/24/01	.78	25
011820A-18	07/24/01	.75	25
011820A-19	07/24/01	.91	25
011820A-20	07/24/01	1.01	25
011820B-03	07/24/01	.75	25
011820B-05	07/24/01	.90	25
011820B-06	07/24/01	.64	25
011820B-07	07/24/01	.81	25
011820B-08	07/24/01	.68	25
011820B-08D	07/24/01	.82	25
011820B-08S	07/24/01	.71	25
011820B-08SD	07/24/01	.73	25
011820B-09	07/24/01	.81	25
011820B-10	07/24/01	.60	25
011820B-11	07/24/01	1.03	25
011820B-12	07/24/01	.61	25
011820B-13	07/24/01	.88	25
011820B-14	07/24/01	.70	25
011820B-15	07/24/01	.78	25
011820B-16	07/24/01	.92	25
011820B-17	07/24/01	.74	25
011820B-18	07/24/01	.57	25
011820B-19	07/24/01	.69	25
LCSS1	07/24/01	.47	25
LCSS2	07/24/01	.45	25

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PREPARATION LOG

Lab Name: STL Contract: ______

Lab Code: STL Case No.: 1820A SAS No.: ______ SDG No.: A1820

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS3	07/24/01	.45	25
PBS1	07/24/01	2.50	25
PBS2	07/24/01	2.50	25
PBS3	07/24/01	2.50	25

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14
ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Instrument ID Number: JA61E Method: P

Start Date: 07/19/01 End Date: 07/19/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
S1	1.00	1009		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
S7	1.00	1015			X	X	X	X	X		X	X	X		X		X		X	X	X	X		X	X	X				
S8	1.00	1021			X	X	X	X	X		X	X	X		X		X		X	X	X	X		X	X	X				
S4	1.00	1027		X		X	X	X	X		X	X	X		X		X		X		X	X		X	X	X				
S9	1.00	1032		X						X				X		X							X							
S6	1.00	1036		X						X				X		X							X							
S5	1.00	1040			X															X										
S3	1.00	1044								X				X		X							X							
ICV1	1.00	1044		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
I	1.00	1044		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICV1	1.00	1050			X																									
ICV1	1.00	1050			X																									
ICB1	1.00	1056		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICB3	1.00	1056		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1102																												
CRI1	1.00	1112			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X				
CRI3	1.00	1112			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X				
ICSAI	1.00	1118		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICSABI	1.00	1124		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV1	1.00	1130		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV5	1.00	1130		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV1	1.00	1136			X																									
CCV5	1.00	1136			X																									
CCB1	1.00	1142		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB7	1.00	1142		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
PBW1	1.00	1148		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
PBW2	1.00	1148		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
LCSW1	1.00	1154		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
LCSW2	1.00	1154		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1200																												
ZZZZZZ	1.00	1206																												
ZZZZZZ	5.00	1212																												
ZZZZZZ	1.00	1218																												

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Instrument ID Number: JA61E Method: P

Start Date: 07/19/01 End Date: 07/19/01

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1224																									
ZZZZZZ	1.00	1230																									
011820A-13	1.00	1236		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1242																									
CCV2	1.00	1248		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV6	1.00	1248		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV2	1.00	1254			X																						
CCV6	1.00	1254			X																						
CCB2	1.00	1300		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
[illegible]	1.00	1300		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1306																									
ZZZZZZ	1.00	1312																									
ZZZZZZ	1.00	1318																									
ZZZZZZ	1.00	1324																									
ZZZZZZ	1.00	1330																									
ZZZZZZ	1.00	1336																									
ZZZZZZ	1.00	1342																									
ZZZZZZ	1.00	1348																									
ZZZZZZ	1.00	1354																									
ZZZZZZ	1.00	1400																									
CCV3	1.00	1406		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV7	1.00	1406		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV3	1.00	1412			X																						
CCV7	1.00	1412			X																						
CCB3	1.00	1419		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB9	1.00	1419		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1425																									
ZZZZZZ	1.00	1431																									
ZZZZZZ	1.00	1437																									
ZZZZZZ	1.00	1443																									
LCSS1	1.00	1449		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PBS1	1.00	1455		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
011820A-01	1.00	1501											X													X	

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Instrument ID Number: JA61E Method: P

Start Date: 07/19/01 End Date: 07/19/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
ZZZZZZ	1.00	1507																												
ZZZZZZ	1.00	1507																												
ZZZZZZ	1.00	1513																												
ZZZZZZ	1.00	1519																												
CCV4	1.00	1525		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV8	1.00	1525		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV4	1.00	1531			X																									
CCV8	1.00	1531			X																									
CCB10	1.00	1537		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.00	1537		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
011820A-02	1.00	1543											X													X				
011820A-03	1.00	1549											X													X				
011820A-04	1.00	1555		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
011820A-04D	1.00	1601		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
011820A-04S	1.00	1607		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
011820A-04A	1.00	1613	93.8		X																									
011820A-04L	5.00	1619		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
011820A-05	1.00	1625		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
011820A-06	1.00	1631		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
011820A-07	1.00	1637											X													X				
CCV5	1.00	1643		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV5	1.00	1649			X																									
CCB5	1.00	1655		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
011820A-08	1.00	1701											X													X				
011820A-09	1.00	1707											X													X				
011820A-10	1.00	1713											X													X				
011820A-11	1.00	1719											X													X				
011820A-12	1.00	1725											X													X				
011820A-15	1.00	1731									X															X				
011820A-16	1.00	1737									X															X				
011820A-17	1.00	1743									X															X				
011820A-18	1.00	1749									X															X				
011820A-19	1.00	1755									X															X				

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Instrument ID Number: JA61E Method: P

Start Date: 07/19/01 End Date: 07/19/01

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV6	1.00	1802		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV6	1.00	1808			X																						
CCB6	1.00	1814		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
011820A-20	1.00	1820									X														X	
CRI2	1.00	1826			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSAF	1.00	1832		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSABF	1.00	1838		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV7	1.00	1844		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CC**	1.00	1850			X																						
C	1.00	1856		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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14
ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Instrument ID Number: HG4 Method: CV

Start Date: 07/18/01 End Date: 07/18/01

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1353																X									
S0	1.00	1355																X									
S1	1.00	1357																X									
S2	1.00	1359																X									
S5	1.00	1401																X									
S1	1.00	1403																X									
ICV1	1.00	1405																X									
ICV1	1.00	1405																X									
[illegible]	1.00	1407																X									
[illegible]	1.00	1407																X									
CCV1	1.00	1409																X									
CCV11	1.00	1409																X									
CCB1	1.00	1411																X									
CCB13	1.00	1411																X									
PBW1	1.00	1413																X									
PBW3	1.00	1413																X									
LCSW1	1.00	1414																X									
LCSW3	1.00	1414																X									
ZZZZZZ	1.00	1416																									
ZZZZZZ	1.00	1418																									
ZZZZZZ	1.00	1420																									
ZZZZZZ	1.00	1422																									
ZZZZZZ	1.00	1423																									
ZZZZZZ	1.00	1428																									
ZZZZZ[illegible]	1.00	1430																									
CCV12	1.00	1431																X									
CCV2	1.00	1431																X									
CCB14	1.00	1433																X									
CCB2	1.00	1433																X									
ZZZZZZ	1.00	1435																									
ZZZZZZ	1.00	1437																									
ZZZZZZ	1.00	1438																									
ZZZZZZ	1.00	1440																									

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Instrument ID Number: HG4 Method: CV

Start Date: 07/18/01 End Date: 07/18/01

EPA Sample No.	D/F	Time	% R	Analytes																									
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1441																									
ZZZZZZ	1.00	1443																									
ZZZZZZ	1.00	1445																									
ZZZZZZ	1.00	1446																									
011820A-13	1.00	1448																X									
ZZZZZZ	1.00	1449																									
CCV13	1.00	1451																X									
CCV3	1.00	1451																X									
CCV5	1.00	1453																X									
C	1.00	1453																X									

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Instrument ID Number: HG4 Method: CV

Start Date: 07/24/01 End Date: 07/24/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1425																X									
S0	1.00	1426																X									
S1	1.00	1428																X									
S2	1.00	1430																X									
S5	1.00	1432																X									
S1	1.00	1434																X									
ICV1	1.00	1437																X									
ICV1	1.00	1437																X									
IC[illegible]	1.00	1439																X									
I[illegible]	1.00	1439																X									
CCV1	1.00	1440																X									
CCV5	1.00	1440																X									
CCB1	1.00	1442																X									
CCB4	1.00	1442																X									
PBS072404A	1.00	1444																X									
PBS1	1.00	1444																X									
LCSS072401	10.0	1446																X									
LCSS1	10.0	1446																X									
011820A-04	1.00	1448																X									
011820A-04D	1.00	1449																X									
011820A-04S	1.00	1451																X									
011820A-04SD	1.00	1453																									
011820A-05	1.00	1455																X									
011820A-06	1.00	1456																X									
011820A-15	1.00	1458																X									
011820A-16	1.00	1500																X									
CCV2	1.00	1502																X									
CCV6	1.00	1502																X									
CCB2	1.00	1504																X									
CCB5	1.00	1504																X									
011820A-17	1.00	1506																X									
011820A-18	1.00	1508																X									
011820A-19	1.00	1510																X									

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Instrument ID Number: HG4 Method: CV

Start Date: 07/24/01 End Date: 07/24/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
011820B-03	1.00	1514																												
011820B-04	1.00	1516																												
011820B-05	1.00	1517																												
CCV3	1.00	1527																X												
CCV7	1.00	1527																X												
CCB3	1.00	1529																X												
CCB6	1.00	1529																X												

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ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Instrument ID Number: HG4 Method: CV

Start Date: 07/24/01 End Date: 07/24/01

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1731																X									
S0	1.00	1733																X									
S1	1.00	1735																X									
S2	1.00	1737																X									
S5	1.00	1739																X									
S1	1.00	1741																X									
ICV1	1.00	1743																X									
ICV1	1.00	1743																X									
I	1.00	1745																X									
I	1.00	1745																X									
CCV1	1.00	1747																X									
CCV9	1.00	1747																X									
CCB1	1.00	1751																X									
CCB7	1.00	1751																X									
011820B-14	100.	1753																										
011820B-15	10.0	1755																										
011820B-16	1.00	1757																										
011820B-17	10.0	1759																										
011820B-18	10.0	1800																										
011820B-19	10.0	1802																										
ZZZZZZ	1.00	1806																										
ZZZZZZ	1.00	1808																										
ZZZZZZ	1.00	1810																										
ZZZZZZ	1.00	1812																										
ZZZZZZ	1.00	1812																										
ZZZZZZ	10.0	1813																										
ZZZZZZ	10.0	1813																										
CCV10	1.00	1815																X									
CCV5	1.00	1815																X									
CCB5	1.00	1817																X									
CCB8	1.00	1817																X									
011820A-20	10.0	1821																X									
011820B-06	10.0	1823																										

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14
ANALYSIS RUN LOG

Lab Name: STL Contract: _____

Lab Code: STL Case No.: _____ SAS No.: _____ SDG No.: A1820

Instrument ID Number: HG4 Method: CV

Start Date: 07/24/01 End Date: 07/24/01

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
011820B-07	10.0	1825																												
011820B-08	10.0	1827																												
011820B-08	10.0	1831																												
011820B-08	10.0	1833																												
011820B-08	10.0	1835																												
011820B-10	10.0	1837																												
CCV11	1.00	1839																X												
CCB9	1.00	1842																X												

Fax Cover Sheet

SEVERN TRENT SERVICES

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

Tel 203 929 8140
Fax 203 929 8142
www.stl-inc.com

Date: 8.17.01

To: Danielle Petkus
Company: Arcadis G+M
Fax: 631-249-7610

Pages (inc. cover sheet): 19

From: Johanna Dubauskas
Direct Tel: 203-944-1305

Message: Danielle,
Here are the 90 solids you needed for STL Job 7001-1820A.
Johanna

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

21G (0-1)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-01

Level (low/med): LOW Date Received: 07/13/01

% Solids: 94.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	15.4			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	22.7			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

21G (4-5)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-02

Level (low/med): LOW Date Received: 07/13/01

% Solids: 94.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	11.3			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	18.5			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

21G (9-10)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-03

Level (low/med): LOW Date Received: 07/13/01

% Solids: 92.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	392.			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	138.			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

21G (21.5)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-04

Level (low/med): LOW Date Received: 07/13/01

% Solids: 94.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.85	U	N	P
7440-38-2	Arsenic	2.4	B		P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.44	B		P
7440-43-9	Cadmium	0.17	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	37.0		*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	15.4			P
7439-89-6	Iron				NR
7439-92-1	Lead	3.2	B		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.0029	U		CV
7440-02-0	Nickel	38.6			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.94	U		P
7440-22-4	Silver	0.19	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.8	U		P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	37.5			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

21G (26.5)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-05

Level (low/med): LOW Date Received: 07/13/01

% Solids: 95.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.85	U	N	P
7440-38-2	Arsenic	2.6	B		P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	0.17	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	24.6		*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	98.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	8.0			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.018			CV
7440-02-0	Nickel	17.0			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.94	U		P
7440-22-4	Silver	0.19	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.8	U		P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	103.			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
REP-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-06

Level (low/med): LOW Date Received: 07/13/01

% Solids: 94.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.84	U	N	P
7440-38-2	Arsenic	2.1	B		P
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	0.17	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	42.9		*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper	60.8			P
7439-89-6	Iron				NR
7439-92-1	Lead	7.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.019			CV
7440-02-0	Nickel	16.0			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.94	U		P
7440-22-4	Silver	0.19	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.7	U		P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	98.6			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

21H (0-1)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-07

Level (low/med): LOW Date Received: 07/13/01

% Solids: 93.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	18.3			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	27.1			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
21H (4-5)

Lab Name: STL Contract:

Lab Code: STL Case No.: 1820A SAS No.: SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-08

Level (low/med): LOW Date Received: 07/13/01

% Solids: 91.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	201.			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	66.9			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

21H (9-10)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-09

Level (low/med): LOW Date Received: 07/13/01

% Solids: 87.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	72.5			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	59.5			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

21I (0-1)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-10

Level (low/med): LOW Date Received: 07/13/01

% Solids: 95.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	14.1			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	23.5			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
21I (4-5)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-11

Level (low/med): LOW Date Received: 07/13/01

% Solids: 90.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	6.6			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	25.2			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
21I (9-10)

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-12

Level (low/med): LOW Date Received: 07/13/01

% Solids: 96.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper	14.2			P
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	19.1			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

15D

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-15

Level (low/med): LOW Date Received: 07/13/01

% Solids: 94.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	18.0		*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.16			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	29.5			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

15E

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-16

Level (low/med): LOW Date Received: 07/13/01

% Solids: 97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	12.8		*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.032			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	21.0			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
15F

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-17

Level (low/med): LOW Date Received: 07/13/01

% Solids: 94

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	23.8		*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.070			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	63.5			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

15G

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-18

Level (low/med): LOW Date Received: 07/13/01

% Solids: 91.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	14.6		*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.032			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	25.1			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

15H

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-19

Level (low/med): LOW Date Received: 07/13/01

% Solids: 96.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	19.8		*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.085			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	29.4			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

15I

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 1820A SAS No.: _____ SDG No.: A1820

Matrix (soil/water): SOIL Lab Sample ID: 011820A-20

Level (low/med): LOW Date Received: 07/13/01

% Solids: 93.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium	14.3		*	P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc	52.9			P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

EXTERNAL AREAS

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19Z2 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200264-1
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	97.1			0.10	0.10	1	%	1833		12/28/01 0000	ksw
	% Moisture, Solid	2.9			0.10	0.10	1	%	1833		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	10.3	B		6.0	61.5	1	ug/Kg	1747		12/21/01 1424	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	28400			2060	18700	1	ug/Kg	1810		12/21/01 1440	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowtch

Customer Sample ID: FPM19Z2 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200264-2
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	95.6			0.10	0.10	1	%	1833		12/28/01 0000	ksw
	% Moisture, Solid	4.4			0.10	0.10	1	%	1833		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	23.5	B		5.7	58.9	1	ug/Kg	1747		12/21/01 1426	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	16800			1610	14600	1	ug/Kg	1810		12/21/01 1446	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19Z3 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200264-3
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	86.0			0.10	0.10	1	%	1833		12/28/01 0000	ksw
	% Moisture, Solid	14.0			0.10	0.10	1	%	1833		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	386			5.9	60.4	1	ug/Kg	1747		12/21/01 1428	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	107000			2060	18800	1	ug/Kg	1810		12/21/01 1452	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19Z3 (2-3)
Date Sampled......: 12/17/2001
Time Sampled......: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200264-4
Date Received.......: 12/19/2001
Time Received.......: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	97.3			0.10	0.10	1	%	1833		12/28/01 0000	ksw
	% Moisture, Solid	2.7			0.10	0.10	1	%	1833		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	18.0	B		5.3	54.1	1	ug/Kg	1747		12/21/01 1430	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	13700	B		2110	19200	1	ug/Kg	1810		12/21/01 1516	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19Z3 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200264-5
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	96.5			0.10	0.10	1	%	1833		12/28/01 0000	ksw
	% Moisture, Solid	3.5			0.10	0.10	1	%	1833		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	10.3	B		5.9	60.1	1	ug/Kg	1747		12/21/01 1432	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	10300	B		2020	18300	1	ug/Kg	1810		12/21/01 1522	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19Z4 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200264-6
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	87.4			0.10	0.10	1	%	1833		12/28/01 0000	ksw
	% Moisture, Solid	12.6			0.10	0.10	1	%	1833		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	368			5.8	59.4	1	ug/Kg	1747		12/21/01 1434	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	39200			1680	15300	1	ug/Kg	1810		12/21/01 1528	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19Z4 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200264-7
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	97.7			0.10	0.10	1	%	1833		12/28/01 0000	ksw
	% Moisture, Solid	2.3			0.10	0.10	1	%	1833		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	11.4	B		6.1	63.0	1	ug/Kg	1747		12/21/01 1436	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	11600	B		2050	18600	1	ug/Kg	1810		12/21/01 1534	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: REP-3
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200264-8
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	95.6			0.10	0.10	1	%	1833		12/28/01 0000	ksw
	% Moisture, Solid	4.4			0.10	0.10	1	%	1833		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	9.2	B		5.9	60.6	1	ug/Kg	1747		12/21/01 1438	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	14300	B		2090	19000	1	ug/Kg	1810		12/21/01 1604	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: REP-2
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200264-9
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
Solids												
	% Solids, Solid	92.2			0.10	0.10	1	%	1833		12/28/01 0000	ksw
	% Moisture, Solid	7.8			0.10	0.10	1	%	1833		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	3110	B		703	6940	1	ug/Kg	1810		12/21/01 1611	nnp
	Zinc, Solid*	20300			1910	17400	1	ug/Kg	1810		12/21/01 1611	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: REP-1
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200264-10
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	94.6			0.10	0.10	1	%	1833		12/28/01 0000	ksw
	% Moisture, Solid	5.4			0.10	0.10	1	%	1833		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Copper, Solid*	9200			429	4760	1	ug/Kg	1810		12/21/01 1635	nnp
	Zinc, Solid*	10400	B		2100	19000	1	ug/Kg	1810		12/21/01 1635	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200264

Date:01/09/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: BILL Hollubowich

Customer Sample ID: FB121701
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 200264-11
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)											
	Mercury	ND	U		0.060	0.40	1	ug/L	2083		01/04/02 1916	ckc
6010B	Metals Analysis (ICAP Trace)											
	Arsenic	ND	U		7.0	40.0	1	ug/L	1810		12/21/01 1309	nnp
	Copper	ND	U		1.4	10.0	1	ug/L	1810		12/21/01 1309	nnp
	Zinc	ND	U		16.2	50.0	1	ug/L	1810		12/21/01 1309	nnp

* In Description = Dry Wgt.

Job Number: 200263

LABORATORY TEST RESULTS

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: 15J1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-1
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	89.1			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	10.9			0.10	0.10	1	%	1832		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	57400		H*	2310	21000	1	ug/Kg	1975		12/26/01 1520	ckc

* In Description = Dry Wgt.

Job Number: 200263

LABORATORY TEST RESULTS

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: 15B1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-2
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	96.0			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	4.0			0.10	0.10	1	%	1832		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	17200	B	H⁻	2010	18300	1	ug/Kg	1975		12/26/01 1526	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: 15B1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-3
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	95.6			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	4.4			0.10	0.10	1	%	1832		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	17900	B	H^	2130	19400	1	ug/Kg	1975		12/26/01 1544	ckc

* In Description = Dry Wgt.

Job Number: 200263

LABORATORY TEST RESULTS

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: 15B1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-4
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	82.2			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	17.8			0.10	0.10	1	%	1832		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	44300		H^	2090	19000	1	ug/Kg	1975		12/26/01 1550	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM8L1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-5
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	94.0			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	6.0			0.10	0.10	1	%	1832		12/28/01 0000	ksw
60108	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	3410	B	-	763	7530	1	ug/Kg	1975		12/26/01 1556	ckc
	Zinc, Solid*	22900		H	2070	18800	1	ug/Kg	1975		12/26/01 1556	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowitch

Customer Sample ID: FPM8L1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-6
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	89.9			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	10.1			0.10	0.10	1	%	1832		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	5600	B	-	827	8160	1	ug/Kg	1975		12/26/01 1602	ckc
	Zinc, Solid*	33100		H-	2250	20400	1	ug/Kg	1975		12/26/01 1602	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date: 01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPMBL1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-7
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	84.2			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	15.8			0.10	0.10	1	%	1832		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	8240			770	7600	1	ug/Kg	1975		12/26/01 1608	ckc
	Zinc, Solid*	47600		H^	2090	19000	1	ug/Kg	1975		12/26/01 1608	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPMBH1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-8
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	90.9			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	9.1			0.10	0.10	1	%	1832		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	4790	B	-	825	8150	1	ug/Kg	1975		12/26/01 1614	ckc
	Zinc, Solid*	26700		H-	2240	20400	1	ug/Kg	1975		12/26/01 1614	ckc

* In Description = Dry Wgt.

Job Number: 200263

LABORATORY TEST RESULTS

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN NET ATTN: Bill Holubowich

Customer Sample ID: FPM8H1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-9
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	91.6			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	8.4			0.10	0.10	1	%	1832		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	3640	B	-	675	6670	1	ug/Kg	1975		12/26/01 1620	ckc
	Zinc, Solid*	19400		M-	1830	16700	1	ug/Kg	1975		12/26/01 1620	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowitch

Customer Sample ID: FPM8H1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-10
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	80.4			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	19.6			0.10	0.10	1	%	1832		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	11500			730	7210	1	ug/Kg	1975		12/26/01 1626	ckc
	Zinc, Solid*	70200		H	1980	18000	1	ug/Kg	1975		12/26/01 1626	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19C1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-11
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	95.4			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	4.6			0.10	0.10	1	%	1832		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	9.9	B	-	5.7	58.2	1	ug/Kg	1747		12/21/01 1351	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	13000	B	H^	1910	17300	1	ug/Kg	1975		12/26/01 1632	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubonich

Customer Sample ID: FPM19C1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-12
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	96.3			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	3.7			0.10	0.10	1	%	1832		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	ND		U	6.6	68.1	1	ug/Kg	1747		12/21/01 1403	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	12100		B H^	2080	18900	1	ug/Kg	1975		12/26/01 1714	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowitch

Customer Sample ID: FPM19C1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-13
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	95.6			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	4.4			0.10	0.10	1	%	1832		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	ND		U		6.7	68.6	1	ug/Kg	1747		12/21/01 1405	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	6740		B	H	2040	18500	1	ug/Kg	1975		12/26/01 1720	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263 Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holobowich

Customer Sample ID: FPM19D1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-14
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DF	DATE/TIME	TECH
Solids												
	% Solids, Solid	94.4			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	5.6			0.10	0.10	1	%	1832		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	34.7	B		6.6	67.3	1	ug/Kg	1747		12/21/01 1407	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	27100		H	2220	20200	1	ug/Kg	1975		12/26/01 1727	ckc

* In Description = Dry Wgt.

300

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19D1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-15
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	95.3			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	4.7			0.10	0.10	1	%	1832		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	ND	U		6.8	70.0	1	ug/Kg	1747		12/21/01 1409	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	14700		H	1490	13500	1	ug/Kg	1975		12/26/01 1733	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19D1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-16
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	97.3			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	2.7			0.10	0.10	1	%	1832		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	ND	U	-	5.6	57.1	1	ug/Kg	1747		12/21/01 1411	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	10600	B	H	1880	17100	1	ug/Kg	1975		12/26/01 1739	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPN19Z1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-17
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
Solids												
	% Solids, Solid	97.0			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	3.0			0.10	0.10	1	%	1832		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	11.7	B		6.1	62.5	1	ug/Kg	1747		12/21/01 1412	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	31300		H	2140	19500	1	ug/Kg	1975		12/26/01 1745	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19Z1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-18
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids	% Solids, Solid	95.9			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	4.1			0.10	0.10	1	%	1832		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	15.7	B	-	6.5	66.2	1	ug/Kg	1747		12/21/01 1414	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	49800		H^	1930	17500	1	ug/Kg	1975		12/26/01 1751	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200263

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19Z1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-19
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	93.7			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	6.3			0.10	0.10	1	%	1832		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	50.4	B		5.2	53.4	1	ug/Kg	1747		12/21/01 1420	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	23400		H	2240	20300	1	ug/Kg	1975		12/26/01 1809	ckc

* In Description = Dry Wgt.

Job Number: 200263

LABORATORY TEST RESULTS

Date:01/03/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER PROJECT: LOCKHEED MARTIN MET ATTN: Bill Holubowich

Customer Sample ID: FPM19Z2 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200263-20
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	96.2			0.10	0.10	1	%	1832		12/28/01 0000	ksw
	% Moisture, Solid	3.8			0.10	0.10	1	%	1832		12/28/01 0000	ksw
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	26.1	B		6.3	65.0	1	ug/Kg	1747		12/21/01 1422	ckc
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	16500		H	1630	14900	1	ug/Kg	1975		12/26/01 1815	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26AE1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-1
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	96.7			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	3.3			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	53800		H^	2190	19900	1	ug/Kg	1920		12/26/01 1220	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26AE1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-2
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	95.1			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	4.9			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	32400		H^	2120	19300	1	ug/Kg	1920		12/26/01 1226	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26AE1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-3
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	97.2			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	2.8			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	12000	B	H^	1920	17400	1	ug/Kg	1920		12/26/01 1232	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26AG1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-4
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	96.9			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	3.1			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	49100		H^	2100	19100	1	ug/Kg	1920		12/26/01 1238	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200262

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26AG1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-5
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	95.9			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	4.1			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	82800		H^	2030	18500	1	ug/Kg	1920		12/26/01 1244	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26AG1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-6
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	97.7			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	2.3			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	11400	B	H^	1570	14300	1	ug/Kg	1920		12/26/01 1250	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26AH1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-7
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	97.8			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	2.2			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	18200		H^	1990	18100	1	ug/Kg	1920		12/26/01 1256	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26AH1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-8
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	96.2			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	3.8			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	20000		H^	1920	17500	1	ug/Kg	1920		12/26/01 1302	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200262

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26AH1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-9
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	95.0			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	5.0			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	18900		H^	1700	15500	1	ug/Kg	1920		12/26/01 1320	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26BD1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-10
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	83.1			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	16.9			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	7540	B	H^	833	8230	1	ug/Kg	1920		12/26/01 1326	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26BD1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-11
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	93.1			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	6.9			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	5880	B	H^	798	7880	1	ug/Kg	1920		12/26/01 1332	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 26BD1 (3-4)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-12
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	91.1			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	8.9			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Arsenic, Solid*	4210	B	H^	780	7700	1	ug/Kg	1920		12/26/01 1338	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 21G1 (10)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-13
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	93.0			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	7.0			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Copper, Solid*	168000		^	407	4520	1	ug/Kg	1920		12/26/01 1344	ckc
	Zinc, Solid*	53500		H^	1990	18100	1	ug/Kg	1920		12/26/01 1344	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 21G1 (15)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-14
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	95.3			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	4.7			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Copper, Solid*	27600		^	400	4450	1	ug/Kg	1920		12/26/01 1350	ckc
	Zinc, Solid*	29500		H^	1960	17800	1	ug/Kg	1920		12/26/01 1350	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 21G1 (20)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-15
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	93.0			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	7.0			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Copper, Solid*	24500		^	390	4340	1	ug/Kg	1920		12/26/01 1432	ckc
	Zinc, Solid*	28000		H^	1910	17300	1	ug/Kg	1920		12/26/01 1432	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 21J1 (10)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-16
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	92.1			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	7.9			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Copper, Solid*	305000		^	404	4490	1	ug/Kg	1920		12/26/01 1438	ckc
	Zinc, Solid*	114000		H^	1970	17900	1	ug/Kg	1920		12/26/01 1438	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 21J1 (15)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-17
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	91.4			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	8.6			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Copper, Solid*	74000		^	304	3380	1	ug/Kg	1920		12/26/01 1444	ckc
	Zinc, Solid*	52800		H^	1490	13500	1	ug/Kg	1920		12/26/01 1444	ckc

* In Description = Dry Wgt.

Job Number: 200262

LABORATORY TEST RESULTS

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 21J1 (20)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-18
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	94.1			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	5.9			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Copper, Solid*	8230		^	374	4150	1	ug/Kg	1920		12/26/01 1450	ckc
	Zinc, Solid*	9810	B	H^	1830	16600	1	ug/Kg	1920		12/26/01 1450	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200262

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATTN: Bill Holubowich

Customer Sample ID: 15J1 (1-2)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-19
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	94.1			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	5.9			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	204000		H^	2210	20100	1	ug/Kg	1920		12/26/01 1456	ckc

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 200262

Date:01/02/2002

CUSTOMER: ARCADIS/GERAGHTY & MILLER | PROJECT: LOCKHEED MARTIN MET | ATIN: Bill Holubowich

Customer Sample ID: 15J1 (2-3)
Date Sampled.....: 12/17/2001
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 200262-20
Date Received.....: 12/19/2001
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Solids												
	% Solids, Solid	93.2			0.10	0.10	1	%	1830		12/28/01 0000	ksw
	% Moisture, Solid	6.8			0.10	0.10	1	%	1830		12/28/01 0000	ksw
6010B	Metals Analysis (ICAP Trace)											
	Zinc, Solid*	55600		H^	2110	19200	1	ug/Kg	1920		12/26/01 1502	ckc

* In Description = Dry Wgt.

Appendix I

Lab Certification

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

Expires 12:01 AM April 1, 20(
ISSUED April 1, 2000
REVISED July 18, 2000

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

Lab ID No.: 11109

Director: MR. THEODORE GAYDOS
Lab Name: ACCREDITED LABORATORIES INC
Address : 20 PERSHING AVENUE
CARTERET NJ 07008

Is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES NON POTABLE WATER

All approved subcategories and/or analytes are listed below:

Chlor. Hydrocarbon Pesticides :
4,4'-DDD
4,4'-DDE
-DDT
-BHC
beta-BHC
Captan
Chlordane Total
delta-BHC
Dieldrin
Endrin aldehyde
Endrin
Endosulfan I
Endosulfan II
Endosulfan sulfate
Heptachlor
Heptachlor epoxide
Lindane
Methoxychlor
Toxaphene

Wastewater Miscellaneous :
Boron, Total
Cyanide, Total
Color
Phenols
Oil & Grease Total Recoverable
Hydrogen Ion (pH)
Specific Conductance
Silica, Dissolved
Sulfide (as S)
Temperature
Organic Carbon, Total

Chlorophenoxy Acid Pesticides :
2,4-D
2,4,5-TP (Silvex)
Chlorinated Hydrocarbons (ALL)
Haloethers (ALL)
Wastewater Metals I (ALL)
Mineral (ALL)
Nitrosoamines (ALL)
Polynuclear Aromatics (ALL)
Phthalate Esters (ALL)
Purgeable Aromatics (ALL)
Residue (ALL)

Acrolein and Acrylonitrile (ALL)
Wastewater Bacteriology (ALL)
Benzidines (ALL)
Demand (ALL)
Wastewater Metals III (ALL)
Wastewater Metals II (ALL)
Nitroaromatics and Isophorone (ALL)
Nutrient (ALL)
Polychlorinated Biphenyls (ALL)
Priority Pollutant Phenols (ALL)
Purgeable Halocarbons (ALL)
TCLP Additional Compounds (ALL)

Serial No.: 107484

Wadsworth Center

operty of the New York State Department of Health. Valid only at the address shown.
Must be conspicuously posted. Valid certificate has a red serial number.

DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

Expires 12:01 AM April 1, 2(
ISSUED April 1, 2000
REVISED July 18, 2000

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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Lab ID No.: 11109

Director: MR. THEODORE GAYDOS
Lab Name: ACCREDITED LABORATORIES INC
Address : 20 PERSHING AVENUE
CARTERET NJ 07008

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/ POTABLE WATER

All approved subcategories and/or analytes are listed below:

Drinking Water Non-Metals :
- *Alkalinity*
- *Calcium Hardness*
- *Chloride*
- *or*
- *Corrosivity*
- *Fluoride, Total*
- *Nitrate (as N)*
- *Hydrogen Ion (pH)*
- *Solids, Total Dissolved*
- *Sulfate (as SO4)*

D.W. Organohalide Pesticides :
- *Endrin*
- *Lindane*
- *Methoxychlor*
- *Toxephene*

D.W. Chlorinated Acids :
- *2,4-D*
- *2,4,5-TP (Silvex)*

Volatile Aromatics (ALL)

Drinking Water Bacteriology (ALL)
Drinking Water Trihalomethane (ALL)
Drinking Water Metals I (ALL)
Volatile Halocarbons (ALL)

Serial No.: 107485

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DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

Expires 12:01 AM April 1, 20
ISSUED April 1, 2000
REVISED July 18, 2000

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

Lab ID No.: 11109

Director: MR. THEODORE GAYDOS
Lab Name: ACCREDITED LABORATORIES INC
Address : 20 PERSHING AVENUE
CARTERET NJ 07008

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/AIR AND EMISSIONS

All approved subcategories and/or analytes are listed below:

Fuels (ALL)
Polychlorinated Biphenyls (ALL)
Metals I (ALL)
Purgeable Aromatics (ALL)
Metals II (ALL)
Purgeable Halocarbons (ALL)
Polynuclear Aromatics (ALL)

Serial No.: 107486

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DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

Expires 12:01 AM April 1, 20(
ISSUED April 1, 2000
REVISED July 18, 2000

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

Lab ID No.: 11109

Director: MR. THEODORE GAYDOS
Lab Name: ACCREDITED LABORATORIES INC
Address : 20 PERSHING AVENUE
CARTERET NJ 07008

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/SOLID AND HAZARDOUS WASTE

All approved subcategories and/or analytes are listed below:

Characteristic Testing :
Corrosivity
Ignitability
tivity
n.r. Toxicity

Miscellaneous :
Cyanide, Total
Lead In Paint
Hydrogen Ion (pH)
Sulfide (as S)
Priority Pollutant Phenols (ALL)

Acrolein and Acrylonitrile (ALL)
Chlorinated Hydrocarbons (ALL)
Metals I (ALL)
Nitroaromatics Isophorone (ALL)
Polychlorinated Biphenyls (ALL)
Purgeable Aromatics (ALL)

Chlor. Hydrocarbon Pesticides (ALL)
Haloethers (ALL)
Metals II (ALL)
Polynuclear Arom. Hydrocarbon (ALL)
Phthalate Esters (ALL)
Purgeable Halocarbons (ALL)

Serial No.: 107487

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DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

Expires 12:01 AM April 1, 200
ISSUED April 1, 2000
REVISED July 18, 2000

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

Lab ID No.: 11109

Director: MR. THEODORE GAYDOS
Lab Name: ACCREDITED LABORATORIES INC
Address : 20 PERSHING AVENUE
CARTERET NJ 07008

Is hereby APPROVED as an Environmental Laboratory for the category

CONTRACT LABORATORY PROTOCOL (CLP)

All approved subcategories and/or analytes are listed below:

CLP Inorganics | CLP PCB/Pesticides | CLP Semi-Volatile Organics | CLP Volatile Organics

Serial No.: 107488

Wadsworth Center

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DOH-3317 (3/97)

INTEGRATED TECHNICAL SERVICES, INC.
P.O. Box 156, 874 Piney Hollow Road
Winslow, NJ 08095
609-567-8140 (Phone); 609-567-6128 (Fax)
e-mail address: DecletV@uspl.net
Toll free: 1-800-705-3411

facsimile transmittal

To:	Christina Tuohy - AGM	**Fax:**	631-249-7610
From:	Vilma I. Declet	**Date:**	2/16/01
Re:	Lab Certification	**Pages:**	15
CC:			

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Christina:

Laboratory Certification for:

CompuChem
501 Madison Avenue
Cary, NC 27513

Lab Cert.

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Wadsworth Center The Governor Nelson A. Rockefeller Empire State Plaza P.O. Box 509 Albany, New York 12201-0509

Antonia C. Novello, M.D., M.P.H., Dr.P.H.
Commissioner

Dennis P. Whalen
Executive Deputy Commissioner

February 7, 2001

Dear Laboratory Director,

The effective date, nationwide, for granting accreditation under the National Environmental Laboratory Accreditation Program (NELAP) was January 24, 2001. I congratulate you that, effective January 24, 2001, your laboratory is NELAP-accredited, having demonstrated compliance with the National Environmental Laboratory Accreditation Conference (NELAC) standards. New York is your NELAP Primary Accrediting Authority (PAA), either because your laboratory is located in New York, or because your laboratory is in a non-NELAP state and you selected New York as your PAA.

Enclosed are revised certificates of accreditation. They are as follows:

NELAP certificates. These certificates bear the NELAP logo in the bottom right-hand corner, and you have received one certificate for each category of accreditation. These certificates list those fields of testing (EPA Program - Method - Analyte) that are within the scope of NELAC and for which your laboratory has satisfied the NELAC requirements.

ELAP certificates. These certificates do not bear the NELAP logo. They list any remaining fields of testing for which you are accredited in New York, but do not have NELAP accreditation. Those remaining fields of testing are either outside the scope of NELAC, or are within the scope of NELAC but your laboratory has not yet satisfied the NELAC PT requirements or has not provided us with method citations.

Please note that either certificate may also reflect recent accreditation changes based on your PT performance. Your old certificates must now be returned to this office.

Your NELAP certificates will be amended and re-issued any time additional fields of testing are added to your accreditation (e.g., if your laboratory meets the NELAC PT requirements for additional analytes, or provides us with any missing method citations).

The designation "NELAP-accredited" demonstrates that your laboratory is recognized nationally to have met the highest standard of quality. Your laboratory is now permitted, and encouraged, to use the enclosed NELAC logo. The NELAC Standard (Section 6.8) strictly defines and limits the use of "NELAP accreditation" and the NELAC logo. If you would like to receive electronically a high-resolution image of the logo ("tif" format), please e-mail the program office at elap@health.state.ny.us

Please do not hesitate to contact the program office at (518) 485-5570 if you have any questions about your certificates or your NELAP accreditation.

Yours sincerely,

Kenneth W. Jackson, Ph.D.
Director, Environmental Laboratory Approval Program

NYSDOH - WADSWORTH CENTER - ELAP - PO BOX 509 - ALBANY NY 12201-0509
Phone: 518-485-5570 www.wadsworth.org/labcert Fax: 518-485-5568

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner

Expires 12:01 AM April 01, 2001
Issued February 06, 2001

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT E. MEIERER
COMPUCHEM
501 MADISON AVENUE
CARY NC 27513 USA

NY Lab Id No: 10065
EPA Lab Code: NC00028

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Acrolein and Acrylonitrile	
Acrolein	EPA 624
Acrylonitrile	EPA 624
Benzidines	
3,3 -dichlorobenzidine	EPA 625
Benzidine	EPA 625
Chlorinated Hydrocarbon Pesticides	
4,4 -DDE	EPA 608
4,4 -DDT	EPA 608
4,4-DDD	EPA 608
Aldrin	EPA 608
alpha-BHC	EPA 608
beta-BHC	EPA 608
Chlordane Total	EPA 608
delta-BHC	EPA 608
Dieldrin	EPA 608
Endosulfan I	EPA 608
Endosulfan II	EPA 608
Endosulfan sulfate	EPA 608
Endrin	EPA 608
Endrin aldehyde	EPA 608
Heptachlor	EPA 608
Heptachlor epoxide	EPA 608
Lindane	EPA 608

Chlorinated Hydrocarbon Pesticides	
Methoxychlor	EPA1978, p. 7
Toxaphene	EPA 608
Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA 625
2-Chloronaphthalene	EPA 625
Hexachlorobenzene	EPA 625
Hexachlorobutadiene	EPA 625
Hexachloroethane	EPA 625
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 1978, p.115
2,4,5-TP (Silvex)	EPA 1978, p.115
2,4-D	EPA 1978, p.115
Dicamba	EPA 1978, p.115
Haloethers	
4-Bromophenylphenyl ether	EPA 625
4-Chlorophenylphenyl ether	EPA 625
Bis (2-chloroisopropyl) ether	EPA 625
Bis(2-chloroethoxy)methane	EPA 625
Bis(2-chloroethyl)ether	EPA 625
Mineral	
Alkalinity	EPA 310.1
Chloride	LACHAT 10-117-07-1 A or B

Serial No.: 10079

DOH-3317 (3/97)

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All approved analytes are listed below:

Mineral	
Fluoride, Total	LACHAT 10-109-12-2-A
Sulfate (as SO4)	EPA 375.4
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 625
2,6-Dinitrotoluene	EPA 625
Isophorone	EPA 625
Nitrobenzene	EPA 625
Nitrosoamines	
N-Nitrosodimethylamine	EPA 625
N-Nitrosodi-n-propylamine	EPA 625
N-Nitrosodiphenylamine	EPA 625
Nutrient	
Ammonia (as N)	EPA 350.1
Kjeldahl Nitrogen, Total	EPA 351.1
Nitrate (as N)	LACHAT 10-107-04-1-A,B,C or E
Orthophosphate (as P)	EPA 365.3
Phosphorus, Total	EPA 365.2
Phthalate Esters	
Bis(2-ethylhexyl) phthalate	EPA 625
Diethyl phthalate	EPA 625
Dimethyl phthalate	EPA 625
Di-n-butyl phthalate	EPA 625
Phthalate Esters	
Di-n-octyl phthalate	EPA 625
Polychlorinated Biphenyls	
PCB-1016	EPA 608
PCB-1221	EPA 608
PCB-1232	EPA 608
PCB-1242	EPA 608
PCB-1248	EPA 608
PCB-1254	EPA 608
PCB-1260	EPA 608
Polynuclear Aromatics	
Acenaphthene	EPA 625
Acenaphthylene	EPA 625
Anthracene	EPA 625
Benzo(a)anthracene	EPA (610)
	EPA 625
Benzo(a)pyrene	EPA (610)
	EPA 625
Benzo(b)fluoranthene	EPA 625
Benzo(ghi)perylene	EPA 625
Benzo(k)fluoranthene	EPA 625
Chrysene	EPA (610)
	EPA 625
Dibenzo(a,h)anthracene	EPA (610)

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All approved analytes are listed below:

Polynuclear Aromatics	
Dibenzo(a,h)anthracene	EPA 625
Fluoranthene	EPA (610)
	EPA 625
Fluorene	EPA (610)
	EPA 625
Indeno(1,2,3-cd)pyrene	EPA (610)
	EPA 625
Naphthalene	EPA (610)
	EPA 625
Phenanthrene	EPA 625
Pyrene	EPA 625
Priority Pollutant Phenols	
2,4,5-Trichlorophenol	CLP 95-2
	SW-846 8270C
2,4,6-Trichlorophenol	EPA 625
2,4-Dichlorophenol	EPA 625
2,4-Dimethylphenol	EPA 625
2,4-Dinitrophenol	EPA 625
2-Chlorophenol	EPA 625
2-Methyl-4,6-dinitrophenol	EPA 625
2-Nitrophenol	EPA 625
4-Chloro-3-methylphenol	EPA 625
4-Nitrophenol	EPA 625

Priority Pollutant Phenols	
Pentachlorophenol	EPA 625
Phenol	EPA 625
Purgeable Aromatics	
1,2-Dichlorobenzene	40 CFR PART 136 1984 (602)
	EPA 601
	EPA 624
1,3-Dichlorobenzene	40 CFR PART 136 1984 (602)
	EPA 601
	EPA 624
1,4-Dichlorobenzene	40 CFR PART 136 1984 (602)
	EPA 601
	EPA 625
Chlorobenzene	40 CFR PART 136 1984 (602)
	EPA 624
Ethyl benzene	40 CFR PART 136 1984 (602)
	EPA 624
Toluene	40 CFR PART 136 1984 (602)
	EPA 624
Total Xylenes	40 CFR PART 136 1984 (602)
	EPA 624
Purgeable Halocarbons	
1,1,1-Trichloroethane	EPA 601
	EPA 624

Serial No.: 10079

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All approved analytes are listed below:

Purgeable Halocarbons	
1,1,2,2-Tetrachloroethane	EPA 601
	EPA 624
1,1,2-Trichloroethane	EPA 601
	EPA 624
1,1-Dichloroethane	EPA 601
	EPA 624
1,1-Dichloroethene	EPA 601
	EPA 624
1,2-Dichloroethane	EPA 601
	EPA 624
1,2-Dichloroethene (total)	EPA 601
	EPA 624
1,2-Dichloropropane	EPA 601
	EPA 624
Bromodichloromethane	EPA 601
Bromoform	EPA 601
	EPA 624
Bromomethane	EPA 601
	EPA 624
Carbon tetrachloride	EPA 601
	EPA 624
Chloroethane	EPA 601
	EPA 624
Chloroform	EPA 601

Purgeable Halocarbons	
Chloroform	EPA 624
Chloromethane	EPA 601
	EPA 624
cis-1,3-Dichloropropene	EPA 601
	EPA 624
Dibromochloromethane	EPA 601
	EPA 624
Dichlorodifluoromethane	EPA 601
Methylene chloride	EPA 601
	EPA 624
Tetrachloroethene	EPA 601
	EPA 624
trans-1,3-Dichloropropene	EPA 601
	EPA 624
Trichloroethene	EPA 601
	EPA 624
Trichlorofluoromethane	EPA 601
Vinyl chloride	EPA 601
	EPA 624
Residue	
Solids, Total	EPA 160.3
Solids, Total Dissolved	EPA 160.1
Solids, Total Suspended	EPA 160.2

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NY Lab Id No: 10065
EPA Lab Code: NC00028

Is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Wastewater Metals I

Barium, Total	EPA 200.7
Cadmium, Total	EPA 200.7
	SM18 3500-CdD
Calcium, Total	EPA 200.7
Chromium, Total	EPA 200.7
Copper, Total	EPA 200.7
Iron, Total	EPA 200.7
Lead, Total	EPA 200.7
Magnesium, Total	EPA 200.7
Manganese, Total	EPA 200.7
Nickel, Total	EPA 200.7
Potassium, Total	EPA 200.7
Silver, Total	EPA 200.7
Sodium, Total	EPA 200.7

Wastewater Metals II

Aluminum, Total	EPA 200.7
Antimony, Total	EPA 200.7
Arsenic, Total	EPA 200.7
Beryllium, Total	EPA 200.7
Mercury, Total	EPA 245.1
Vanadium, Total	EPA 200.7
Zinc, Total	EPA 200.7

Wastewater Metals III

Cobalt, Total	EPA 200.7
Molybdenum, Total	EPA 200.7
Thallium, Total	EPA 200.7
Tin, Total	EPA 200.7
Titanium, Total	EPA 200.7

Wastewater Miscellaneous

Cyanide, Total	EPA 335.2
	EPA 335.3
	LACHAT 10-204-00-1-A
	SM18 4500-CN-E
Hydrogen Ion (pH)	EPA 150.1
Oil & Grease Total Recoverabl	EPA 413.1
Organic Carbon, Total	EPA 415.1
	SM18 5310B
Phenols	EPA 420.1
Specific Conductance	EPA 120.1
	SM18 2510B

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NY Lab Id No: 10065
EPA Lab Code: NC00028

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved subcategories and/or analytes are listed below:

Chlorinated Hydrocarbon Pesticides	
PCNB	Method Not Specified
Chlorinated Hydrocarbons	
Hexachloroethane	Method Not Specified
neral	
Calcium Hardness	Method Not Specified
Phthalate Esters	
Benzyl butyl phthalate	Method Not Specified
Purgeable Aromatics	
Benzene	Method Not Specified
Purgeable Halocarbons	
2-Chloroethylvinyl ether	Method Not Specified
TCLP Additional Compounds	
Cresol	SW-846 8270C
Methylethyl ketone (2-butanon	SW-846 8260B
Pyridine	SW-846 8270C
Wastewater Metals II	
Chromium VI	LACHAT 10-124-13-1-A
	SM 18 3500-CrD
Selenium, Total	Method Not Specified
Wastewater Miscellaneous	
Boron, Total	Method Not Specified

Serial No.: 10080

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DOH-3317 (3/97)

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501 MADISON AVENUE
CARY NC 27513 USA

NY Lab Id No: 10065
EPA Lab Code: NC00028

Is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Acrolein and Acrylonitrile

Acrolein	SW-846 8260B
Acrylonitrile	SW-846 8260B

Characteristic Testing

Corrosivity	SW846 1110
Ignitability	SW846 1010
Reactivity	SW846 CH77.3.3.2/4.2
TCLP	SW-846 8270C
	SW-846 8260B

Chlorinated Hydrocarbon Pesticides

4,4 -DDE	SW- 846 8081A
4,4 -DDT	SW- 846 8081A
4,4-DDD	SW- 846 8081A
Aldrin	SW- 846 8081A
alpha-BHC	SW- 846 8081A
beta-BHC	SW- 846 8081A
Chlordane Total	SW-846 8081A
delta-BHC	SW- 846 8081A
Dieldrin	SW- 846 8081A
Endosulfan I	SW- 846 8081A
Endosulfan II	SW- 846 8081A
Endosulfan sulfate	SW- 846 8081A
Endrin	SW- 846 8081A
Endrin aldehyde	SW- 846 8081A

Chlorinated Hydrocarbon Pesticides

Heptachlor	SW- 846 8081A
Heptachlor epoxide	SW- 846 8081A
Lindane	SW- 846 8081A
Methoxychlor	SW- 846 8081A
Toxaphene	SW- 846 8081A

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene	SW-846 8270C
2-Chloronaphthalene	SW-846 8270C
Hexachlorobenzene	SW-846 8270C
Hexachlorobutadiene	SW-846 8270C
Hexachlorocyclopentadiene	SW-846 8270C
Hexachloroethane	SW-846 8270C

Chlorophenoxy Acid Pesticides

2,4,5-T	SW846 8151-A
2,4,5-TP (Silvex)	SW846 8151-A
2,4-D	SW846 8151-A

Haloethers

Bis (2-chloroisopropyl) ether	SW-846 8270C
Bis(2-chloroethoxy)methane	SW-846 8270C

Metals I

Barium, Total	SW846 3005A
	SW846 3010A

Serial No.: 10081

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All approved analytes are listed below:

Metals I	
Barium, Total	SW846 3050B
Cadmium, Total	SW846 3005A
	SW846 3010A
	SW846 3050B
Chromium, Total	SW846 3005A
	SW846 3010A
	SW846 3050B
Lead, Total	SW846 3005A
	SW846 3010A
	SW846 3050B
Nickel, Total	SW846 3005A
	SW846 3010A
	SW846 3050B
Silver, Total	SW846 3005A
	SW-846 6010B
Metals II	
Antimony, Total	SW-846 6010B
Arsenic, Total	SW846 3005A
	SW846 3010A
	SW846 3050B
Selenium, Total	SW846 3005A
	SW-846 6010B

Miscellaneous	
Cyanide, Total	SW-846 9012A
	SW-846 9010B
Nitroaromatics and Isophorone	
2,6-Dinitrotoluene	SW-846 8270C
Isophorone	CLP 95-2
Nitrobenzene	SW-846 8270C
Phthalate Esters	
Diethyl phthalate	SW-846 8270C
Dimethyl phthalate	SW-846 8270C
Di-n-butyl phthalate	SW-846 8270C
Di-n-octyl phthalate	SW-846 8270C
Polychlorinated Biphenyls	
PCB-1016	SW-846 8082
PCB-1221	SW-846 8082
PCB-1232	SW-846 8082
PCB-1242	SW-846 8082
PCB-1248	SW-846 8082
PCB-1254	SW-846 8082
PCB-1260	SW-846 8082
Polynuclear Aromatic Hydrocarbons	
Acenaphthylene	SW-846 8270C
	SW-846 8310

Serial No.: 10081

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All approved analytes are listed below:

Polynuclear Aromatic Hydrocarbons

Benzo(a)anthracene	SW-846 8270C
	SW-846 8310
Benzo(a)pyrene	SW-846 8270C
	SW-846 8310
Benzo(b)fluoranthene	SW-846 8270C
	SW-846 8310
Benzo(ghi)perylene	SW-846 8270C
	SW-846 8310
Chrysene	SW-846 8270C
	SW-846 8310
Dibenzo(a,h)anthracene	SW-846 8270C
	SW-846 8310
Fluoranthene	SW-846 8270C
	SW-846 8310
Fluorene	SW-846 8270C
	SW-846 8310
Indeno(1,2,3-cd)pyrene	SW-846 8270C
	SW-846 8310
Naphthalene	SW-846 8270C
	SW-846 8310
Phenanthrene	SW-846 8270C
	SW-846 8310
Pyrene	SW-846 8270C
	SW-846 8310

Priority Pollutant Phenols

2,4,6-Trichlorophenol	SW-846 8270C
2,4-Dichlorophenol	SW-846 8270C
2,4-Dimethylphenol	SW-846 8270C
2,4-Dinitrophenol	SW-846 8270C
2-Chlorophenol	SW-846 8270C
2-Methyl-4,6-dinitrophenol	SW-846 8270C
2-Nitrophenol	SW-846 8270C
4-Chloro-3-methylphenol	SW-846 8270C
4-Nitrophenol	SW-846 8270C
Pentachlorophenol	SW-846 8270C
Phenol	SW-846 8270C

Purgeable Aromatics

1,2-Dichlorobenzene	SW-846 8021B
	SW-846 8260B
1,3-Dichlorobenzene	SW-846 8021B
	SW-846 8260B
1,4-Dichlorobenzene	SW-846 8021B
	SW-846 8260B

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Characteristic Testing	
E.P. Toxicity	Method Not Specified
Chlorophenoxy Acid Pesticides	
Dicamba	Method Not Specified
etals II	
Chromium VI	SW-846 7196A
Mercury, Total	SW846 7470A
	SW846 7471A
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	Method Not Specified
Phthalate Esters	
Benzyl butyl phthalate	Method Not Specified
Bis(2-ethylhexyl) phthalate	Method Not Specified
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	Method Not Specified
Anthracene	Method Not Specified
Purgeable Aromatics	
Benzene	SW-846 8021B
	SW-846 8260B
Chlorobenzene	SW-846 8021B
	SW-846 8260B
Ethyl benzene	SW-846 8021B

Purgeable Aromatics	
Ethyl benzene	SW-846 8260B
Toluene	SW-846 8021B
	SW-846 8260B
Total Xylenes	SW-846 8021B
	SW-846 8260B
Purgeable Halocarbons	
1,1,1-Trichloroethane	SW-846 8021B
	SW-846 8260B
1,1,2,2-Tetrachloroethane	SW-846 8021B
	SW-846 8260B
1,1,2-Trichloroethane	SW-846 8021B
	SW-846 8260B
1,1-Dichloroethane	SW-846 8021B
	SW-846 8260B
1,1-Dichloroethene	SW-846 8021B
	SW-846 8260B
1,2-Dichloroethane	SW-846 8021B
	SW-846 8260B
1,2-Dichloropropane	SW-846 8021B
	SW-846 8260B
2-Chloroethylvinyl ether	SW-846 8021B
	SW-846 8260B
Bromodichloromethane	SW-846 8021B

Serial No.: 10082

DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner

Expires 12:01 AM April 01, 2001
Issued February 06, 2001

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT E. MEIERER
COMPUCHEM
501 MADISON AVENUE
CARY NC 27513 USA

NY Lab Id No: 10065
EPA Lab Code: NC00028

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Purgeable Halocarbons	
Bromodichloromethane	SW-846 8260B
Bromoform	SW-846 8021B
	SW-846 8260B
Bromomethane	SW-846 8021B
	SW-846 8260B
Carbon tetrachloride	SW-846 8021B
	SW-846 8260B
Chloroethane	SW-846 8021B
	SW-846 8260B
Chloroform	SW-846 8021B
	SW-846 8260B
Chloromethane	SW-846 8021B
	SW-846 8260B
Dibromochloromethane	SW-846 8021B
Dichlorodifluoromethane	SW-846 8021B
	SW-846 8260B
Methylene chloride	SW-846 8021B
	SW-846 8260B
Tetrachloroethene	SW-846 8021B
	SW-846 8260B
Trichloroethene	SW-846 8021B
	SW-846 8260B
Trichlorofluoromethane	SW-846 8021B
	SW-846 8260B

Purgeable Halocarbons	
Vinyl chloride	SW-846 8021B
	SW-846 8260B

Serial No.: 10082

operty of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal and may be verified by calling (518)485-5570.

DOH-3317 (3/97)

Regional References for Current or Recent Clients

USEPA Region I – Jennie Han-Liu / Christine Clark - 781-860-4379 – Lexington, MA

USEPA Region II – Jennifer Feranda – 732-321-6687 – Edison, NJ

New York

New York State Department of Environmental Conservation – Larry Bailey – 518-457-1628 Albany, NY - NYSDEC Three Year ASP Contract

DaimlerChrysler - Greg Rose - 248-576-7362 - Sites at dealerships and realty sites in NJ

Ecology & Environmental – Gerry Strobel, Jr. - 716-685-8080, Lancaster, NY

URS Greiner Woodward-Clyde – Mary Bitka - 716-856-5636, Buffalo, NY

Earth Technology – Brett Monjillo, Amy VanLaak - 518-458-1313, Albany, NY

URS Greiner Woodward-Clyde – Kevin Connare – 716-856-5636 - Buffalo, NY

New Jersey

Integrated Technical Services – David Wilder - 609-567-8140 - Winslow Junction, NJ

IT Corporation – Stephan Wurzburger – 609-588-6376 - Trenton, NJ

DaimlerChrysler - Greg Rose - 248-576-7362 - Sites at dealerships and realty sites in NJ

Barbella Construction – Mark Tallerico – 908-567-8140 - Sommerville, NJ

Exxon Mobil Environmental Remediation – Tom Aruta – 908-474-7560, Linden, NJ

Louis Berger Group, Inc. – Tom Tanico – 800-323-4098 – Florham Park, NJ

ERM, Inc. – Dave Robinson – 609-895-0050 - Ewing, NJ

Golder Associates, Inc. – Doug Dugan, Lori Hendel – 856-616-8166 - Cherry Hill, NJ

TAMS, Inc. – Allan Burton, Paul Kareth – 973-338-6680 - Bloomfield, NJ

Aqua Pro-Tech Labs – Brian Wood – 800-800-2837 – Fairfield, NJ

Omni Environmental – Randy Kertes - 609-924-8821- Princeton, NJ

Roy F. Weston, Inc. – Smita Sumbaly – 732-225-6116, Edison, NJ

INTEGRATED TECHNICAL SERVICES, INC.
P.O. Box 156, 874 Piney Hollow Road
Winslow, NJ 08095
609-567-8140 (Phone); 609-567-6128 (Fax)
e-mail address: DecletV@uspl.net
Toll free: 1-800-705-3411

facsimile transmittal

To:	Christina Tuohy - AGM	**Fax:**	631-249-7610
From:	Vilma I. Declet	**Date:**	2/20/01
Re:	Lab Certification	**Pages:**	6
CC:			

☑ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Christina:

Laboratory Certification for:

Accredited Laboratories, Inc.
20 Pershing Avenue
Carteret, NJ 07008
732-541-2025

Lab certification

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

Expires 12:01 AM April 1, 20
ISSUED April 1, 2000
REVISED July 18, 2000

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

Lab ID No.: 11109

Director: MR. THEODORE GAYDOS
Lab Name: ACCREDITED LABORATORIES INC
Address : 20 PERSHING AVENUE
CARTERET NJ 07008

Is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES NON POTABLE WATER

All approved subcategories and/or analytes are listed below:

Chlor. Hydrocarbon Pesticides :
- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- alpha-BHC
- Aldrin
- beta-BHC
- Captan
- Chlordane Total
- delta-BHC
- Dieldrin
- Endrin aldehyde
- Endrin
- Endosulfan I
- Endosulfan II
- Endosulfan sulfate
- Heptachlor
- Heptachlor epoxide
- Lindane
- Methoxychlor
- Toxaphene

Wastewater Miscellaneous :
- Boron, Total
- Cyanide, Total
- Color
- Phenols
- Oil & Grease Total Recoverable
- Hydrogen Ion (pH)
- Specific Conductance
- Silica, Dissolved
- Sulfide (as S)
- Temperature
- Organic Carbon, Total

Chlorophenoxy Acid Pesticides :
- 2,4-D
- 2,4,5-TP (Silvex)

Chlorinated Hydrocarbons (ALL)
Haloethers (ALL)
Wastewater Metals I (ALL)
Mineral (ALL)
Nitrosoamines (ALL)
Polynuclear Aromatics (ALL)
Phthalate Esters (ALL)
Purgeable Aromatics (ALL)
Residue (ALL)

Acrolein and Acrylonitrile (ALL)
Wastewater Bacteriology (ALL)
Benzidines (ALL)
Demand (ALL)
Wastewater Metals III (ALL)
Wastewater Metals II (ALL)
Nitroaromatics and Isophorone (ALL)
Nutrient (ALL)
Polychlorinated Biphenyls (ALL)
Priority Pollutant Phenols (ALL)
Purgeable Halocarbons (ALL)
TCLP Additional Compounds (ALL)

Serial No.: 107484

Wadsworth Center

Property of the New York State Department of Health. Valid only at the address shown.
Must be conspicuously posted. Valid certificate has a red serial number.

DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

Expires 12:01 AM April 1, 20
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REVISED July 18, 2000

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Lab ID No.: 11109

Director: MR. THEODORE GAYDOS
Lab Name: ACCREDITED LABORATORIES INC
Address : 20 PERSHING AVENUE
CARTERET NJ 07008

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/ POTABLE WATER

All approved subcategories and/or analytes are listed below:

Drinking Water Non-Metals :
- *Alkalinity*
- *Calcium Hardness*
- *Chloride*
- *Color*
- *Corrosivity*
- *Fluoride, Total*
- *Nitrate (as N)*
- *Hydrogen Ion (pH)*
- *Solids, Total Dissolved*
- *Sulfate (as SO4)*

D.W. Organohalide Pesticides :
- *Endrin*
- *Lindane*
- *Methoxychlor*
- *Toxaphene*

D.W. Chlorinated Acids :
- *2,4-D*
- *2,4,5-TP (Silvex)*

Volatile Aromatics (ALL)

Drinking Water Bacteriology (ALL)
Drinking Water Trihalomethane (ALL)
Drinking Water Metals I (ALL)
Volatile Halocarbons (ALL)

Serial No.: 107485

Wadsworth Center

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

Expires 12:01 AM April 1, 20
ISSUED April 1, 2000
REVISED July 18, 2000

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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Lab ID No.: 11109

Director: MR. THEODORE GAYDOS
Lab Name: ACCREDITED LABORATORIES INC
Address : 20 PERSHING AVENUE
CARTERET NJ 07008

Is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/AIR AND EMISSIONS

All approved subcategories and/or analytes are listed below:

Fuels (ALL)
Polychlorinated Biphenyls (ALL)
Metals I (ALL)
Purgeable Aromatics (ALL)
Metals II (ALL)
Purgeable Halocarbons (ALL)
Polynuclear Aromatics (ALL)

Serial No.: 107486

Wadsworth Center

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DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH

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Director: MR. THEODORE GAYDOS
Lab Name: ACCREDITED LABORATORIES INC
Address : 20 PERSHING AVENUE
CARTERET NJ 07008

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/SOLID AND HAZARDOUS WASTE

All approved subcategories and/or analytes are listed below:

Characteristic Testing :	Miscellaneous :	Acrolein and Acrylonitrile (ALL)	Chlor. Hydrocarbon Pesticides (ALL)
Corrosivity	Cyanide, Total	Chlorinated Hydrocarbons (ALL)	Haloethers (ALL)
[illegible]tability	Lead in Paint	Metals I (ALL)	Metals II (ALL)
[illegible]tivity	Hydrogen Ion (pH)	Nitroaromatics Isophorone (ALL)	Polynuclear Arom. Hydrocarbon (ALL)
	Sulfide (as S)	Polychlorinated Biphenyls (ALL)	Phthalate Esters (ALL)
E.P. Toxicity	Priority Pollutant Phenols (ALL)	Purgeable Aromatics (ALL)	Purgeable Halocarbons (ALL)

Serial No.: 107487

Wadsworth Center

roperty of the New York State Department of Health. Valid only at the address shown.
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DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner

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Lab ID No.: 11109

Director: MR. THEODORE GAYDOS
Lab Name: ACCREDITED LABORATORIES INC
Address : 20 PERSHING AVENUE
CARTERET NJ 07008

Is hereby APPROVED as an Environmental Laboratory for the category

CONTRACT LABORATORY PROTOCOL (CLP)

All approved subcategories and/or analytes are listed below:

CLP Inorganics | CLP PCB/Pesticides | CLP Semi-Volatile Organics | CLP Volatile Organics

Serial No.: 107488

Wadsworth Center

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DOH-3317 (3/97)

Appendix J

Waste Tickets

WASTE TICKETS AND MANIFESTS

Exterior RCRA Excavations
Former Unisys Facility
Lake Success, New York

Transaction No.
30574

Clean Earth of Philadelphia, Inc.
3201 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time
In:		
Out:	03/04/2002	09:53

Scale
0
1

New Field

Vehicle ID:	ABR501	AB RECYCLING, LLC
Customer ID:	A	Allied Environmental
Material ID:	001	Soil
Approval ID:	5305	Lockheed Martin Corp (2260)

Gross:	49.08	tn
Tare:	12.93	tn (M)
Net:	36.15	tn

Operators 3

Operator Signature: E R Patete Driver Signature: Quade

Approval Load Count = 15
Approval Net Weight = 480.29 tn

MAR-04-2002 09:41 LUCYS PHARMACY 3077 12017788843 P.01

Log Number

ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-669-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: LOCKHEED MARTIN CORP FORMER UNISYS SITE

Address: 3651 AKL SUCCESS ROAD

LAKE SUCCESS, NY

Phone No.

Shipping Location: SAME

Address

Phone No.

Approval Number	Description of Material	Codes	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
5303	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING		49.08 T	12.93 T	36.15 T	

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a Hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

DENNIS J. MCLAUGHLIN — 3-1-02

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: AB RECYCLING, LLC

Address: 190 POMPTON PLAINS CROSSROADS

WAYNE, NJ 07470 (973) 835-9434

State Permit #: NJ-561

Driver Name (Print): Eduardo

Vehicle License No./State: AC400T3

Truck Number: 501 ATBR

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Shipment Date — Driver Signature — Delivery Date

DESTINATION

Site Name: ~~CLEAN EARTH OF PHILADELPHIA, PA~~

Address: 61ST STREET PHILADELPHIA, PA

Phone No.

State Permit #: ~~301220~~

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

E R Roberts — 3-4-02

Name of Authorized Agent — Signature — Receipt Date

TRUCKING COMPANY

Transaction #:
365335

Clean Earth of Phila., Inc.
2001 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:	03/01/2002	11:12	1
Out:	03/01/2002	11:27	1

New Field

Gross:	42.78 tn	(M)
Tare:	14.45 tn	
Net:	28.33 tn	

Vehicle ID:	ABR2P1	AR RECYCLING, LLC
Customer ID:	4	Allied Environmental
Material ID:	001	Soil
Approval ID:	5503	Lockheed Martin Corp (P260)

Operator: 3

Operator Signature: E.A. Roberts Driver Signature:

Approval Load Count: 1
Approval Net Weight: 28.33 tn

Log Number

ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: LOCKHEED MARTIN CORP FORMER UNISYS SITE
Shipping Location: SAME

Address: 365 LAKE SUCCESS ROAD, LAKE SUCCESS, NY
Address:

Phone No.:
Phone No.:

Approval Number	Description of Material	Codes	Weights	Net Weight (Tons)
5303	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING		Gross Weight 42.79 T Tare Weight 14.45 T Net Weight 28.33 T	

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Dennis J. McElhaney [signature] 3-1-02

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: AB RECYCLING, LLC
Driver Name (Print): BUSETTA TRUCKING, INC

Address: 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470 (973) 835-9434
Vehicle License No./State: W 991 - USL

Truck Number: 221 (ABR 221)

State Permit #: NJ-561

I hereby certify that the above named material was picked up at the generator site listed above.

[signature] 3-01-02

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

[signature] 3-01-02

Driver Signature — Delivery Date

DESTINATION

Site Name: CLEAN EARTH OF PHILADELPHIA, PA
Phone No.:

Address: 61st STREET, PHILADELPHIA, PA
State Permit #: 301230

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[signature] 3-1-

Name of Authorized Agent — Signature — Receipt Date

CONTRACTOR

2

Transaction No. 30536

Clean Earth of Phila., Inc.
3261 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:	03/01/2002	11:08	1
Out:	03/01/2002	11:29	1

New Field

Gross:	43.39 tn	(M)
Tare:	15.21 tn	
Net:	28.18 tn	

Vehicle ID:	ABR211	AB RECYCLING, LLC
Customer ID:	A	Allied Environmental
Material ID:	001	Soil
Approval ID:	5303	Lockheed Martin Corp (2260)

Operator: 3

Operator Signature: Driver Signature:

Approval Load Count : 2
Approval Net Weight : 56.51 tn

2

Log Number

ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-989-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: LOCKHEED MARTIN CORP. FORMER UNISYS SITE

Shipping Location: BAND

Address: 365 LAKE SUCCESS ROAD

Address:

LAKE SUCCESS, NY

Phone No.:

Phone No.:

Approval Number	Description of Material	Codes	Gross Weight T	Tare Weight T	Net Weight T	Net Weight (Tons)
5303	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING		43.38	15.21	28.18	

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

3-1-02

Generator/Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: AB RECYCLING, LLC

Address: 190 POMPTON PLAINS CROSSROADS

WAYNE, NJ 07470 (973) 835-9434

State Permit #: NJ-561

Driver Name (Print):

Vehicle License No./State:

Truck Number:

ABR 211

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

11:00 AM

Driver Signature — Delivery Date

DESTINATION

Site Name: [illegible] Phone No.:

Address: [illegible] State Permit #:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

3-1-02

Name of Authorized Agent — Signature — Receipt Date

CONTRACTOR

Transaction No. 30537

Clean Earth of Phila.,Inc.
3201 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:	03/01/2002	11:03	1
Out:	03/01/2002	11:30	1

Vehicle ID:	A0R72	AB RECYCLING, LLC
Customer ID:	4	Allied Environmental
Material ID:	001	Soil
Approval ID:	5303	Lockheed Martin Corp (2260)

New Field

Gross:	40.42 tn (M)
Tare:	14.84 tn
Net:	25.58 tn

Operator: 3

Operator Signature: E R Roberto Driver Signature: Carlos Cchivant

Approval Load Count : 3
Approval Net Weight : 62.09 tn

3

Log Number

ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-989-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: LOCKHEED MARTIN CORP. FORMER UNISYS SITE

Address: 3651 LAKE SUCCESS ROAD, LAKE SUCCESS, NY

Phone No.:

Shipping Location: SAME

Address:

Phone No.:

Approval Number	Description of Material	Codes	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING					

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name — Signature — 3-1-02 Shipment Date

TRANSPORTER

Transporter Name: AB RECYCLING LLC

Address: 190 PORPOISE PLAINE CROSSROADS, WAYNE NJ 07470 (973) 835-9439

State Permit #: NJ-501 2/1/04

Driver Name (Print): Jaime Trucking

Vehicle License No./State: AF QUICK NJ

Truck Number: 72 E0 E5

I hereby certify that the above named material was picked up at the generator site listed above.

Carlos Echeverri 03/01/02
Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Carlos Echeverri 03/01/02
Driver Signature — Delivery Date

DESTINATION

Site Name: CLEAN EARTH OF PHILADELPHIA, PA — Phone No.:

Address: 63rd STREET, PHILADELPHIA, PA — State Permit #:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

CONTRACTOR

Transaction No. 30535

Clean Earth of Phila., Inc.
3201 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:			0
Out:	03/01/2002	12:04	1

New Field
Gross: 43.32 tn
Tare: 13.25 tn (M)
Net: 30.07 tn

Vehicle ID: 1SD01 Top Soil Depot
Customer ID: A Allied Environmental
Material ID: 001 Soil
Approval ID: 5305 Lockheed Martin Corp (2260)

Operator: 3

Operator Signature: E R Roberts Driver Signature: [signature]

Approval Load Count : 4
Approval Net Weight : 112.16 tn

4

Log Number

ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-869-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name LOCKHEED MARTIN CORP. FORMER UNISYS SITE

Shipping Location SAME

Address 365 LAKE SUCCESS ROAD LAKE SUCCESS, NY

Address

Phone No.

Phone No.

Codes

Approval Number	Description of Material	Gross Weight	Net Weight (Tons)
5303	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING	43.32 T	
		Tare Weight 13.25 T	
		Net Weight 30.07 T	

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name [signature] Signature [signature] 3/1/02 Shipment Date

TRANSPORTER

Transporter Name AB RECYCLING LLC

Address 190 POMPTON PLAINS CROSSROADS WAYNE, NJ 07470 (973) 835-9434

State Permit # NJ-561

Driver Name (Print) Raul Lopez

Vehicle License No./State #78652 W

Truck Number 01 SCAR-AB/051

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Delivery Date

DESTINATION

Site Name CLEAN EARTH OF PHILADELPHIA, PA

Phone No.

Address 61st STREET PHILADELPHIA, PA

State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature E R. Roberts 3-1-02 Receipt Date

CONTRACTOR

Transaction No.
30546

Clean Earth of Phila., Inc.
3201 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale #
In:			
Out:	03/01/2002	12:06	1

New Field

Gross:	41.42 tn	
Tare:	13.08 tn	(M)
Net:	28.34 tn	

Vehicle ID: TSD5
Customer ID: A
Material ID: 001
Approval ID: 5303

TSD Trucking
Allied Environmental
Soil
Lockheed Martin Corp (2260)

Operator: 3

Operator Signature: C.R. Blatt Driver Signature: [signature]

Approval Load Count: 5
Approval Net Weight: 140.50 tn

Log Number

ALLIED WASTE SERVICES, INC.

2169 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-988-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name LOCKHEED MARTIN CORP FORMER UNISYS SITE Shipping Location SAME

Address 365 LAKE SUCCESS ROAD Address

LAKE SUCCESS, NY

Phone No. Phone No.

Codes

Approval Number	Description of Material	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
5303	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING	41.42 T	13.08 T	28.34 T	

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Signature 3/1/02 Shipment Date

TRANSPORTER

Transporter Name AB RECYCLING LLC Driver Name (Print)

Address 100 ROBERTSON PLAZA CROSSROADS Vehicle License No./State

WAYNE, NJ 07470 (973) 835-9434 Truck Number

State Permit # NJ-561

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Delivery Date

DESTINATION

Site Name Phone No.

Address 91ST STREET State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature 3-1-02 Receipt Date

CONTRACTOR

i

Transaction No.
30543

Clean Earth of Phila., Inc.
3201 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:			0
Out:	03/01/2002P	12:45	1

New Field

Gross:	49.00 tn	
Tare:	13.42 tn	(M)
Net:	35.58 tn	

Vehicle ID: K911
Customer ID: 6
Material ID: 001
Approval ID: 5303

RAINBOW TRUCKING
Allied Environmental
Soil
Lockheed Martin Corp (2260)

Operator: 3

Operator Signature: E.R. Roberts Driver Signature: J. E.

Approval Load Count : 6
Approval Net Weight : 176.08 tn

6

Log Number

ALLIED WASTE SERVICES, INC.

2193 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-888-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: LOCKHEED MARTIN CORP FORMER UNISYS SITE

Shipping Location: SAME

Address: 365 LAKE SUCCESS ROAD

Address:

LAKE SUCCESS, NY

Phone No.:

Phone No.:

Codes

Gross Weight: 49.00 T

Tare Weight: 13.42 T

Net Weight: 35.58 T

Net Weight (Tons)

Approval Number: 5302

Description of Material: NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Dennis J. McGlynn — Signature — 3-1-02

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: AB RECYCLING, LLC

Address: 190 POMPTON PLAINS CROSSROADS

WAYNE, NJ 07470 (973) 835-9431

State Permit #: NJ-561

Driver Name (Print): Julio Gonzalez

Vehicle License No./State: AF 571 N

Truck Number: 811 RAIN-BOW

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 3-1-02 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 3-1-02 Delivery Date

DESTINATION

Site Name: CITIZENS RESOURCE RECOVERY PA — Phone No.:

Address: 01 STREET PHILADELPHIA PA — State Permit #:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — 3-1-02 Receipt Date

CONTRACTOR

Transaction No.
30546

Clean Earth of Phila., Inc.
3291 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:	03/01/2002	12:34	1
Out:	03/01/2002	12:52	1

New Field

Gross:	52.97	tn (M)
Tare:	13.66	tn
Net:	39.31	tn

Vehicle ID: ABR007 AB RECYCLING,LLC
Customer ID: A Allied Environmental
Material ID: 001 Soil
Approval ID: 5303 Lockheed Martin Corp (2260)

Operator: 3

Operator Signature: E.R. Roberts Driver Signature:

Approval Load Count : 7
Approval Net Weight : 215.39 tn

7

Log Number

ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: LOCKHEED MARTIN CORP. FORMER UNISYS SITE

Shipping Location: SAME

Address: 365 LAKE SUCCESS ROAD, LAKE SUCCESS, NY

Address:

Phone No.:

Phone No.:

Codes

Approval Number	Description of Material	Gross Weight	Net Weight (Tons)
5303	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING	52.96 T	
		Tare Weight:	
		Net Weight:	

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Dennis J. McCafferty
Signature: [signature]
Shipment Date: 3-1-02

TRANSPORTER

Transporter Name: AB RECYCLING, LLC

Driver Name (Print): Roger

Address: 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470 (973) 835-9434

Vehicle License No./State: AL 707 ...

Truck Number: 007 ABR007

State Permit #: NJ-561

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature ____ Shipment Date ____

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature ____ Delivery Date ____

DESTINATION

Site Name: CLEAN EARTH OF PHILADELPHIA, PA

Phone No.:

Address: 61ST STREET, PHILADELPHIA, PA

State Permit #: 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent ____
Signature: E. R. Roberts
Receipt Date: 3-1-02

CONTRACTOR

Transaction No.
38548

Clean Earth of Phila., Inc.
3201 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:	03/01/2002	12:44	1
Out:	03/01/2002	13:01	1

New Field

Vehicle ID:	ABR501	AB RECYCLING, LLC	Gross:	47.10 tn (M)
Customer ID:	A	Allied Environmental	Tare:	12.93 tn
Material ID:	001	Soil	Net:	34.17 tn
Approval ID:	5303	Lockheed Martin Corp (2250)		

Operator: 3

Operator Signature: _____ Driver Signature: _____

Approval Load Count : 8
Approval Net Weight : 249.56 tn

Log Number

ALLIED WASTE SERVICES, INC.

2183 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-989-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name LOCKHEED MARTIN CORP FORMER UNISYS SITE

Shipping Location SAME

Address 365 LAKE SUCCESS ROAD

Address

LAKE SUCCESS, NY

Phone No.

Phone No.

Approval Number	Description of Material	Codes	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
5303	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING		47.09 T	12.93 T		

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

DENNIS T. MCLAFFERTY — Signature — 2-1-02

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name NB RECYCLING LLC

Driver Name (Print) Eduardo

Address 190 POMPTON PLAINS CROSSROADS

Vehicle License No./State AC 6100 B

WAYNE, NJ 07470 (973) 835-0111

Truck Number 501 ABR 501

State Permit # NJ-561

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 2/1/02 Shipment Date

Driver Signature — 2/1/02 Delivery Date

DESTINATION

Site Name CLEAN EARTH OF PHILADELPHIA, PA

Phone No.

Address 61st STREET PHILADELPHIA, PA

State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

CONTRACTOR

Transaction No. 30553	Clean Earth of Phila., Inc. 3201 S. 61st Street Philadelphia, Pa. 19153 Have a nice day!		Date / Time / Scale
		In:	03/01/2002 13:10 1
		Out:	03/01/2002 13:34 1

New Field

Gross:	47.92 tn	(M)
Tare:	14.22 tn	
Net:	33.70 tn	

Vehicle ID:	LE40	LOYALTY ENTERPRISE
Customer ID:	A	Allied Environmental
Material ID:	001	Soil
Approval ID:	5303	Lockheed Martin Corp (2260)

Operator: 3

Operator Signature: [signature] Driver Signature: [signature]

Approval Load Count : 9
Approval Net Weight : 283.26 tn

9

Log Number

ALLIED WASTE SERVICES, INC.

2183 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-989-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name LOCKHEED MARTIN CORP. FORMER UNISYS SITE

Address 365 LAKE SUCCESS ROAD

LAKE SUCCESS, NY

Phone No.

Shipping Location SAME

Address

Phone No.

Approval Number	Description of Material	Codes	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
5303	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING		47.92 T	14.22 T	33.70 T	

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 280.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

THOMAS J. MCGOWAN — 3-1-02

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name AB RECYCLING, LLC

Address 1501 POMPTON PLAINS CROSSROADS

WAYNE, NJ 07470 (973) 835-9434

State Permit # NJ-561

Driver Name (Print) JOSE LOPEZ

Vehicle License No./State AG8236A

Truck Number LOYALTY - ENTERPRISE LE 40

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 3/1/02 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 3/1/02 Delivery Date

DESTINATION

Site Name CLEAN EARTH OF PHILADELPHIA, PA

Address 61ST STREET PHILADELPHIA, PA

Phone No.

State Permit # SOIL 220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — 3-1-02 Receipt Date

CONTRACTOR

Transaction No.
30559

Clean Earth of Phila., Inc.
3201 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:			0
Out:	03/01/2002	15:34	1

Vehicle ID: B 16 BEAM
Customer ID: A Allied Environmental
Material ID: 001 Soil
Approval ID: 5303 Lockheed Martin Corp (2260)

New Field

Gross:	44.77 tn	
Tare:	13.70 tn	(M)
Net:	31.07 tn	

Operator: 3

Operator Signature: Driver Signature:

Approval Load Count : 14
Approval Net Weight : 444.14 tn

Log Number

ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-989-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name LOCKHEED MARTIN CORP FORMER UNISYS SITE

Address 365 LAKE SUCCESS ROAD

LAKE SUCCESS, NY

Phone No.

Shipping Location SAME

Address

Phone No.

Approval Number	Description of Material	Codes	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING		44,77	13,70	31,07	31,07

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Dennis J. McCafferty — Signature — 3-1-02

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name AB RECYCLING, LLC

Address 100 POMPTON PLAINS CROSSROADS

WAYNE, NJ 07470 (973) 835-9434

State Permit # NJ-561

Driver Name (Print)

Vehicle License No./State

Truck Number

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Delivery Date

DESTINATION

Site Name CLEAN EARTH OF PHILADELPHIA, PA

Phone No.

Address 01ST STREET PHILADELPHIA, PA

State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

CEOP — Signature — 3/6/02

Name of Authorized Agent — Signature — Receipt Date

CONTRACTOR

Transaction No.
30568

Clean Earth of Phila., Inc.
3201 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:			0
Out:	03/01/2002	19:29	1

New Field

Gross:	52.26 tn	
Tare:	16.62 tn	(M)
Net:	35.64 tn	

Vehicle ID: 007 Beam Trucking
Customer ID: A Allied Environmental
Material ID: 001 Soil
Approval ID: 5503 Lockheed Martin Corp (0260)

Operator: 3

Operator Signature: J. Smith Driver Signature: ALTOO Off

Approval Load Count : 13
Approval Net Weight : 413.07 tn

Log Number

ALLIED WASTE SERVICES, INC.

2169 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-869-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: LOCKHEED MARTEN CORP. FORMER UNISYS SITE
Shipping Location: SAME
Address: 365 LAKE SUCCESS ROAD
Address:
LAKE SUCCESS, NY
Phone No.:
Phone No.:

Approval Number	Description of Material	Codes	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING		52.26	16.62	35.64	35.65

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

DENNIS J. McCLAFFERTY — Signature — 3-1-02

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: AB RECYCLING, LLC
Address: 190 POMPTON PLAINS CROSSROADS
WAYNE, NJ 07470 (973) 835-9434
State Permit #: NJ-561

Driver Name (Print): Alton Griffin Sr.
Vehicle License No./State: AF 519L NJ
Truck Number: #7

I hereby certify that the above named material was picked up at the generator site listed above.

Alton Griffin Sr. 3-1-02

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Alton Griffin Sr. 3-1-02

Driver Signature — Delivery Date

DESTINATION

Site Name: CLEAN EARTH OF PHILADELPHIA, PA
Phone No.:
Address: 61st STREET PHILADELPHIA, PA
State Permit #:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

CLEP — Signature — 3/01/02

Name of Authorized Agent — Signature — Receipt Date

CONTRACTOR

Transaction No.
30567

Clean Earth of Phila., Inc.
3201 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:			0
Out:	03/01/2002	13:55	1

New Field

Gross:	46.12	tn
Tare:	14.25	tn (M)
Net:	31.87	tn

Vehicle ID: TSD211 Top Soil Depot
Customer ID: A Allied Environmental
Material ID: 001 Soil
Approval ID: 5303 Lockheed Martin Corp (2260)

Operator: 3

Operator Signature: _____ Driver Signature: _____

Approval Load Count = 12
Approval Net Weight = 377.43 tn

Log Number

ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: LOCKHEED MARTIN CORP. FORMER UNISYS SITE

Shipping Location: SAME

Address: 365 LAKE SUCCESS ROAD

Address:

LAKE SUCCESS, NY

Phone No.:

Phone No.:

Approval Number	Description of Material	Codes	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING		41.12	11.25	31.87	31.87

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

DENNIS J MCLAUGHLIN — Signature — 2-1-02

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: AB RECYCLING, LLC

Address: 196 POMPTON PLAINS CROSSROADS

WAYNE, NJ 07470 (973) 835-9434

State Permit #: NJ-561

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — Shipment Date

Driver Name (Print):

Vehicle License No./State:

Truck Number:

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Delivery Date

DESTINATION

Site Name: CLEAN EARTH OF PHILADELPHIA, PA — Phone No.:

Address: 61st STREET PHILADELPHIA, PA — State Permit #: 301230

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

CONTRACTOR

Transaction No.
30566

Clean Earth of Phila., Inc.
3201 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale
In:			0
Out:	03/01/2002	18:53	1

Vehicle ID: ABR221
Customer ID: A
Material ID: 001
Approval ID: 5303

AB RECYCLING, LLC
Allied Environmental
Soil
Lockheed Martin Corp (2260)

New Field

Gross:	43.80 tn	
Tare:	14.45 tn	(M)
Net:	29.35 tn	

Operator: J

Operator Signature: _____ Driver Signature: _____

Approval Load Count = 11
Approval Net Weight = 345.56 tn

Log Number

ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-989-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: LOCKHEED MARTIN CORP. FORMER UNISYS SITE
Shipping Location: SAME
Address: 365 LAKE SUCCESS ROAD
Address:
LAKE SUCCESS, NY
Phone No.:
Phone No.:

Approval Number	Description of Material	Codes	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING		43,80	14,45	29,35	29,35

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been fully is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

DENNIS T. MCCAFFREY — Signature — 2-1-02

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: AB RECYCLING, LLC
Address: 190 POMPTON PLAINS CROSSROADS
WAYNE, NJ 07470 (973) 835-9434
State Permit #: NJ-561

Driver Name (Print): BUSETAS TRUCKING
Vehicle License No./State: (NJ) W991-U8K
Truck Number: 221

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 02-01-02 — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 03-01- — Delivery Date

DESTINATION

Site Name: CLEAN EARTH OF PHILADELPHIA, PA
Phone No.:
Address: 61ST. STREET PHILADELPHIA, PA
State Permit #:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

CLEOP — Signature — 3/01/02

Name of Authorized Agent — Signature — Receipt Date

CONTRACTOR

1H

Transaction No.
30565

Clean Earth of Phila., Inc.
3801 S. 61st Street
Philadelphia, Pa. 19153
Have a nice day!

	Date	Time	Scale#
In:			0
Out:	03/01/2002	10:51	1

New Field

Gross:	46.51	tn
Tare:	13.56	tn (M)
Net:	32.95	tn

Vehicle ID: TSD72
Customer ID: A
Material ID: 001
Approval ID: 5303

Top Soil Depot
Allied Environmental
Soil
Lockheed Martin Corp (2260)

Operator: 3

Operator Signature: J Schmidt Driver Signature: Carlos Echevarria

Approval Load Count = 10
Approval Net Weight = 316.21 tn

Log Number

ALLIED WASTE SERVICES, INC.

2183 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-963-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: LOCKHEED MARTIN CORP. FORMER UNISYS SITE

Address: 365 LAKE SUCCESS ROAD, LAKE SUCCESS, NY

Phone No.

Shipping Location: SAME

Address

Phone No.

Codes

Approval Number	Description of Material	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
	NON HAZ PETROLEUM CONTAMINATED SOIL DESTINED FOR RECYCLING	46.51	13.56	32.95	32.95

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Dennis J. McCaffery

Signature: [signature]

Shipment Date: 3-1-02

TRANSPORTER

Transporter Name: AB RECYCLING, LLC

Address: 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470 (973) 835-9434

State Permit #: NJ-561

Driver Name (Print): Jediar trucking co

Vehicle License No./State: AF944K NJ

Truck Number: 72

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature: Carlos Echavarri

Shipment Date: 03/01/02

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature: Carlos Echavarri

Delivery Date: 03/01/0[illegible]

DESTINATION

Site Name: CLEAN EARTH OF PHILADELPHIA, PA

Address: 61st STREET, PHILADELPHIA, PA

Phone No.

State Permit #: [illegible]

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: CEOP

Signature: [signature]

Receipt Date: 3/01/02

CONTRACTOR

.15

5

109 : Area 28 Solids (3) + Other sweeping solids (2)
Total 5

110 : Area 28 & 30 Liquid (1)
Total 1

111: (7) sludge Area 31
Total 7 3121102 wwtf

112: Area 7 decon water (1) 3120 + Decon A31 (4)
+ Area 31 Sanitary waste (2) + (3) Baker tanks
+ Area 9 decon water (1)
Total 11

EMERGENCY CONTACT: 631-391-5212

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N Y R 0 0 0 0 4 3 5 2 1 | Manifest Document No. 7 5 6 2 1 | 2. Page 1 of 1 | B/L 75621

3. Generator's Name and Mailing Address
LOCKHEED MARTIN CORPORATION SUITE L10
7921 SOUTHPARK PLAZA LITTLETON CO 80123

4. Generator's Phone (631) 294-7600

TRANSPORTER # S16648
DECAL# 081943
365 LAKEVILLE ROAD
GREAT NECK NY 80123

5. Transporter 1 Company Name: AUCHTER INDUSTRIAL VAC SERVICE
6. US EPA ID Number: N J D 9 8 0 7 7 2 7 6 8
A. Transporter's Phone: 908-862-2277

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
S&W WASTE, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032

10. US EPA ID Number: N J D 9 9 1 2 9 1 1 0 5
C. Facility's Phone: 973 344-4004

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL ID27 ID27	XX5	D M	X250.0	P
b. NON REGULATED MATERIAL ID72 ID72	XX1	D M	XX50.0	P
c. NON REGULATED MATERIAL ID72 ID72	XX7	D M	XX385	G
d. NON REGULATED MATERIAL ID72 ID72	X11	D M	XX605	G

J. Additional Descriptions for Materials Listed Above
(a)50-60% PAINT CHIPS; 20-20% DUST; 5-10% CARDBOARD; 5-10%
(b)95-100% WATER; 0-5% SUSPENDED SOLIDS
(c)75-100% WATER; 0-20% HYDRAULIC OIL; 0-2% DEBRIS/DIRT
(d)50-100% WATER; 50-100% SEDIMENT

E. Handling Codes for Wastes Listed Above
H04
H04
H04
H04

15. Special Handling Instructions and Additional Information
S&W APP.990009 (a):109 (b):110 (c):111 (d):112
(a)DRYWALL; 5-10% PLASTIC
(b)
(c)
(d)

This is to certify that the above named materials are properly classified, described, packaged, marked, and labled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: DENNIS J. MCCLAFFERTY ON BEHALF OF LOCKHEED MARTIN | Signature | Month 10 Day 11 Year 01

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: George Desruisseaux | Signature | Month 10 Day 11 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW & QUALITY CONTROL

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: PETE T | Signature | Month 10 Day 11 Year 01

GENERATOR · TRANSPORTER · FACILITY

ORIGINAL - RETURN TO GENERATOR

REVENUE TICKET # 25621

PAGE # 1 OF 1

S&W WASTE INC
115 JACOBUS AVE
SOUTH KEARNY
NJ 07032
(973) 344-4004

CUSTOMER # 00009
CUSTOMER INTEGRATED TECHNICAL S
CONTACT CHRISTINA TOWHY
PHONE 631-294-7600

Cert. of Disposal

JOB SITE LOCKHEED MARTIN
365 LAKEVILLE ROAD
GREAT NECK
NY 80123

EPA ID NYR000043521 ZONE RE

DRIVER

TRACTOR #

TRAILER #

WEIGHTMASTER

IN

OUT

MANIFEST #

DATE RECEIVED

NUMBER OF (CIRCLE ONE) DRUMS/GALS/YARDS

OTHER

☐ PULL ☐ PICK-UP ☐ PULL/REPLACE ☐ PUMP TANK ☐ OTHER
☐ DELIVER ☐ IN/WITH ☐ DELIVER/WAIT & PULL ☐ PUMP DRUMS

PURCHASE ORDER #

S&W TO PROVIDE	YES	NO	#	S&W TO PROVIDE	YES	NO	#	S&W TO PROVIDE	YES	NO	#
MANIFEST	Y			LINER	N			LIFT	Y		
HAZ LABEL	Y			MT. DRUM	N			XTRA HOSE	N		
DOT LABEL	Y			OVERPACK	N			HELPER	N		

DEPARTED S. &W. TIME ☐ AM ☐ PM

ARRIVED AT CUST. TIME ☐ AM ☐ PM

DEPARTED CUST. TIME ☐ AM ☐ PM

ARRIVED AT S. & W. TIME ☐ AM ☐ PM

TARE WEIGHT

NET WEIGHT

REQ. E.T.A.

POS. E.T.A.

	NO. AND TYPES CONT.	WASTE DESCRIPTION	APP.#	PRC. #		NO. AND TYPES CONT.	WASTE DESCRIPTION	APP.#	PRC. #
I	5.00 DM	SOLIDS ID27	109		III	5.00 DM	WATER, OIL, DEBRIS ID72	111	
II	1.00 DM	WATER ID72	110		IV	10.00 DM	MUD ID72	112	

COMMENTS:

NEED LIFT GATE

WASTE AUCHTER INDUSTRIAL VAC SERVICE TRANSPORTING FOR S&W

SCHEDULED DATE 04/02/01

THE UNDERSIGNED AGREES THAT THE ABOVE SERVICE INFORMATION IS CORRECT

CUSTOMER SIGNATURE PRINTED NAME DATE

PRINTRONIX • 1021 PAULISON AVE. • CLIFTON, NJ 07015-1967 • 800 456-7871 #26316

George
26

GENERATOR · S&W

MAN. NO. BL7562Y

TRANSPORTER

VEHICLE ID.

DRIVER ON OFF

REMARKS:

IN

35080 LB

01:33 PM 04/11/01

OUT

20720 LB

06:23 AM 04/11/01

WEIGH-TRONIX®

WEIGHER

INTEGRATED TECHNICAL SERVICES, INC.
P.O. BOX 156, 874 PINEY HOLLOW ROAD
WINSLOW, NJ 08095
609-567-8140 (Office Phone)
609-567-6128 (Operations Fax)
e-mail address: flahertyk@uspl.net
Toll free: 1-800-705-3411

facsimile transmittal

To: Christina Berardi Tuohy Fax: 631-249-7610

From: Kate Flaherty Date: March 27, 2001

Re: Profile for sludge from basement sump Pages: 3

CC:

☐ Urgent √ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Christina:

Here is the waste profile for the sludgey material from the basement sump. Vilma and myself are working on a solution for the approx. 1800 gallons of clearer material in the poly tanks.

Please sign this as soon as possible and send it back to my attention immediately.

Thanks,
Kate

Waste profile for Area 31 sludge

A31 Sludge
Says 5 drums
7 drums actual

S & W WASTE, INC

115 Jacobus Ave., South Kearny, NJ 07032 (973) 344-4004

Use Ball Point Pen - Press Firmly

APPROVAL CODE D)_____ B)_____
GENERIC CODE D)_____ B)_____
CUSTOMER #_____
LSR #_____
MASTER WPS ____YES ____NO
TECHNICAL REP. INITIALS _____
BROKER NAME (If Applicable)_____
APPROVAL DATE _____

A. GENERATOR INFORMATION

GENERATOR'S NAME LOCKHEED MARTIN CORP.
MAILING ADDRESS 7921 SOUTHPARK PLAZA, SUITE 210, LITTLETON, CO
WASTE PICKUP ADDRESS 365 LAKEVILLE ROAD, GREAT NECK, NY 11020
EPA ID NO. NYR0000 43521 MSDS ATTACHED ___YES X NO
TECH CONTACT CHRISTINA TUOHY PHONE 631-294-7600
COMMON NAME OF WASTE _____
PROCESS GENERATING WASTE DEWN OF FACILITY
BIENNIAL REPORT CODES: SIC CODE _____ SOURCE CODE A____ FORM CODE B____
ORIGIN CODE _____ SYSTEM TYPE _____
IS THIS WASTE FROM A PLANT CLOSURE OR PLANT CLEAN UP? X YES ____NO.

B. PHYSICAL/CHEMICAL CHARACTERISTIC

REACTIVITY (PPM)
TOTAL CYANIDES NA
AMENABLE CYANIDES ____
REACTIVE SULFIDES ____
CHECK IF WASTE IS:
____ WATER REACTIVE
____ AIR REACTIVE
____ SHOCK SENSITIVE
____ GENERATES TOXIC FUMES WHEN MIXED WITH ACID, BASE, OR H20

ODOR
___NONE X MILD ___STRONG
DESCRIBE: _____

COLOR _____

PHYSICAL STATE @ 70° F
___SOLID
X LIQUID
___POWDER
___SEMI-SOLID
___SINGLE PHASE
___BI-LAYERED
___MULTI-LAYERED
___GAS/AEROSOL

CORROSIVITY (pH)
___≤ 2.0
___2.01 - 5.0
X 5.01 - 9.0
___9.01 - 12.49
___≥ 12.50
6.99 EXACT pH

PERCENT LIQUID/SOLID
TOTAL SOLIDS _____%
SUSPENDED SOLIDS 0-5 %
FREE LIQUID 95-100 %
WATER _____%

IGNITABILITY LIQUIDS: FLASH POINT °F
___< 100°
___≥ 100° ≤ 140°
___> 140° ≤ 200°
X > 200°
_____ACTUAL
SOLIDS:
___YES ___NO

SPECIFIC GRAVITY
___< .8
___≥ .8 ≤ 1
X > 1 ≤ 1.2
___> 1.2
EXACT:

C. CHEMICAL COMPOSITION

	Check if SARA Title III Sec 313	Check if SARA III EHS Sec 302	RANGE MIN.-MAX.
Water			75-100 %
hydraulic oil			0-20 %
debris/dirt			0-2 %
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
TOTAL			%

PLEASE NOTE THE CHEMICAL COMPOSITION TOTAL IN THE RANGE (MAX.) COLUMN MUST BE GREATER THAN OR EQUAL TO 100 PERCENT

D. TOXICITY CHARACTERISTICS

CONTAMINANT	EPA WASTE #	REGULATORY LEVEL (mg/L)	ACTUAL LEVEL
Arsenic	D004	5.0	BKL
Barium	D005	100.0	
Cadmium	D006	1.0	
Chromium	D007	5.0	
Chromium CR+6	D007	5.0	
Lead	D008	5.0	
Mercury	D009	0.2	
Selenium	D010	1.0	
Silver	D011	5.0	
Benzene	D018	0.5	
Carbon Tetrachloride	D019	0.5	
Chlordane	D020	0.03	
Chlorobenzene	D021	100.0	
Chloroform	D022	6.0	
o-Cresol	D023	200.0[2]	
m-Cresol	D024	200.0[2]	
p-Cresol	D025	200.0[2]	
Cresol	D026	200.0[2]	
2,4- D	D016	10.0	
1,4-Dichlorobenzene	D027	7.5	
1,2-Dichloroethane	D028	0.5	
1,1-Dichloroethylene	D029	0.7	
2,4-Dichlorotoluene	D030	0.13[1]	
Endrin	D012	0.02	
Heptachlor (and its hydroxide)	D031	0.008	
Hexachlorobenzene	D032	0.13[1]	
Hexachlorobutadiene	D033	0.5	
Hexachloroethane	D034	3.0	
Lindane	D013	0.4	
Methoxychlor	D014	10.0	
Methyl Ethyl Ketone	D035	200.0	
Nitrobenzene	D036	2.0	
Pentachlorophenol	D037	100.0	
Pyridine	D038	5.0[1]	
Tetrachloroethylene	D039	0.7	
Toxaphene	D015	0.5	
Trichhloroethylene	D039	0.5	
2,4,5-Trichlorophenol	D041	400.0	
2,4,6- Trichlorophanol	D042	2.0	
2,4,5-TP (Silvex)	D017	1.0	
Vinyl chloride	D043	0.2	

[1] Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.
[2] If o-,m- and p-Cresol concentrations cannot be differentiated, the total Cresol (D026) concentration is used. The regulatory level of total Cresol is 200mg/L

F. HAZARDOUS CHARACTERISTICS

___RADIOACTIVE
___INFECTIOUS
___TOXIC
___EXPLOSIVE
___PYROPHORIC
___OXIDIZER
___CORROSIVE
___OTHER DESCRIBE _____
X NONE OF THE ABOVE

___COMPRESSED GAS
___FLAMMABLE SOLID
___ORGANIC PEROXIDE
___SHOCK SENSITIVE
___REACTIVE METALS
(SPECIFY IN SECTION C)

F. IDENTIFY THE HEALTH HAZARD CHARACTERISTICS FROM THE TABLE BELOW

IMMEDIATE (ACUTE) HEALTH HAZARD: X NONE
___HIGHLY TOXIC
___TOXIC
___IRRITANT
___SENSITIZER
___CORROSIVE
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF SHORT TERM EXPOSURE AND WITH A SHORT DURATION.

DELAYED (CHRONIC) HEALTH HAZARD:
___CARCINOGENS (if carcinogens are known to be in waste specify the carcinogen in Section C)
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF LONG TERM EXPOSURE AND WITH A LONG DURATION

G. SHIPPING INFORMATION

___BULK LIQUID
___BULK SOLID
___BULK SLUDGE
___OTHER DESCRIBE _____
X DRUMS (STEEL)
___DRUMS (POLY)
SHIPPING FREQUENCY
QUANTITY 5 PER one time

H. MANIFEST INFORMATION

IS THIS A D.O.T. HAZARDOUS MATERIAL? ___YES X NO
PROPER D.O.T. SHIPPING NAME (49CFR Table 172.101) _____ RQ UNITS (lb/kg)_____
D.O.T. HAZARD CLASS / DIVISION: _____ UN/NA _____ PACKAGING GROUP (circle one) I II III
ADDITIONAL DESCRIPTIONS REQUIREMENTS (49CFR 172.203) _____
EMERGENCY RESPONSE TELEPHONE NUMBER (49CFR 172.604) CHRISTINA TUOHY CONTACT (Print Name) 631-391-5213

I. WASTE CHARACTERISTICS

1) IS THIS A USEPA HAZARDOUS WASTE? ___YES X NO US EPA HAZARDOUS WASTE NUMBER(S) _____ HAZARD CODES _____
IF YES, IF THE WASTE IS A CHARACTERISTIC HAZARDOUS WASTE, DOES IT CONTAIN UNDERLYING HAZARDOUS CONSTITUENTS (as defined at 40CFR 268.2(i)). ABOVE THE UNIVERSAL TREATMENT STANDARD ___YES ___NO.
IF YES PLEASE COMPLETE THE UHC WASTE PROFILE ADDENDUM.

2) STATE NON-HAZARDOUS WASTE NUMBER(S) _____

3) DOES THIS WASTE CONTAIN ANY PCB's X YES ___NO IF YES INDICATE LEVEL 5.10, 14.7 ppb ARE PCB'S TSCA REGULATED? ___YES X NO

4) DOES THIS WASTE CONTAIN ANY HERBICIDES, PESTICIDES, DIXON OR RESIDUES THEREOF ___YES X NO
If yes, list compound and concentration in Section C

5) IS THIS WASTE PROHIBITED FROM LAND DISPOSAL UNDER 40CFR Part 268 X YES ___NO.
If yes, list waste subcategory description, if applicable _____ or check none. ___NONE

6) IS THIS WASTE A (Check one) X NON-WASTEWATER ___WASTEWATER? (See 40CFR 268.2)

7) BENZENE NESHAP APPLICABILITY: Is this waste subject to management under National Emission Standards for Benzene Waste Operations as provided in 40CFR Part 61 Subpart FF ___YES X NO IF YES, GIVE BENZENE CONCENTRATION _____

8). DOES THIS WASTE CONTAIN ANY N-NITROSO-N-METHYLUREA? ___YES X NO IF YES, GIVE CONCENTRATION

9) IF THIS WASTE IS A RCRA HAZARDOUS WASTE DOES IT CONTAIN VOC's IN CONCENTRATIONS ≥ 500 PPM.(40CFR Subpart CC) ___YES X NO

10) ARE THERE ANY SPECIAL HANDLING INSTRUCTIONS FOR THE DISPOSAL OF THIS WASTE ___YES X NO, IF YES, SPECIFY _____

J. AUTHORIZATION TO CORRECT WMPS

I AUTHORIZE S&W WASTE, INC. TO MAKE CORRECTIONS TO THIS WMPS. CORRECTIONS MUST BE CONSISTENT WITH THE RESULTS OF SAMPLE ANALYSIS AND REGULATORY REQUIREMENTS. I UNDERSTAND THAT A CORRECTED COPY OF THE WMPS WILL BE SENT TO ME.

SIGNATURE X Carlo SanGiovanni on behalf of Lockheed Martin Corp.

K. SPECIAL HANDLING COMMENTS

L. OFFICIAL USE ONLY

M. APPROVAL

SAFETY _____
ENVIRON _____

N. POLYCHLORINATED BIPHENYL (PCB), HERBICIDE, PESTICIDE, INSECTICIDE/ALUMINUM AND REACTIVE METAL WARRANTY

I hereby warrant that the material transfered to S&W Waste, Inc., for transportation, treatment, storage and/or disposal is not radioactive waste, does not contain > 1% asbestos and is not contaminated by either Polychlorinated Biphenyl or Herbicide/Pesticide/Insecticide or Dioxins or Furans of any value unless it is listed in Section C and approved by S&W Waste, Inc., nor does it contain Elemental Aluminum or Reactive Metal Paste, Powder, or Pigment unless it is listed in Section C and approved by S&W Waste, Inc. and hereby agree to indemnify and hold S&W Waste, inc. harmless from any costs, damages, or other liability resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet, including the indemnification listed on the back page.

O. The information on this Waste Material Profile Sheet (WMPS) may have been prepared by other indivciduals. By signing Section O of this WMPS I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards

X 26-01 (X) Carlo SanGiovanni (X) Principal Scientist (X) Carlo SanGiovanni on behalf of Lockheed Martin Corp.
DATE PRINTED NAME TITLE GENERATOR'S SIGNATURE

S&W Waste, Inc. has all the appriprate permits for and will accept the waste that has been characterized /identified by this Approved Waste Material Profile Sheet.
wps2.doc 11/98

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4875
CONNECTION TEL	16095676128
SUBADDRESS	
CONNECTION ID	INTEGRATED TECH
ST. TIME	03/27 18:58
USAGE T	00'47
PGS. SENT	3
RESULT	OK

ARCADIS GERAGHTY & MILLER

ARCADIS Geraghty & Miller, I
88 Duryea Road
Melville
New York 11747
Tel 631 249 7600
Fax 631 249 7610

TELEFAX

To: Kate Flaherty
ITS

Copies:

ENVIRONMENTAL

Fax: 609 - 567 - 6128

Date: 3/27/01

From: Christina Tuohy

Total pages: 3

Extension: 631 - 391-5213

Our ref.: NY001227.0017.00003

Subject: Basement Sump Sludge Profile

If you do not receive all pages, please call to let us know as soon as possible.

INTEGRATED TECHNICAL SERVICES, INC.
P.O. BOX 156, 874 PINEY HOLLOW ROAD
WINSLOW, NJ 08095
609-567-8140 (Office Phone)
609-567-6128 (Operations Fax)
e-mail address: flahertyk@uspl.net
Toll free: 1-800-705-3411

facsimile transmittal

To:	Christina Berardi Touhy	Fax:	631-249-7610
From:	Kate Flaherty	Date:	March 22, 2001
Re:	Lockheed Martin / Unisys site	Pages:	5
CC:			

☐ Urgent √ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Christina:

Following are two waste profiles for the material generated from the sweeping activities and the one drum of wastewater from the Area 28 AC room sump. I will be receiving the analytical from yesterdays sampling on Monday afternoon. Also included in this package are a copy of the analytical we received today.

Please have these signed and faxed back to my attention as soon as possible so that we can get the ball rolling on the approval process.

Please do not hesitate to call me with any questions.

Thank You.

Profiles for
- Area 28 & 30 water
- Solids from Sweeping

(5) drums
Solid waste
5 drums
Solids - All areas

1 drum
Area 28/30 water

Carlo
Neil
Ken
Mark

S & W WASTE, INC

115 Jacobus Ave., South Kearny, NJ 07032 (973) 344-4004

Use Ball Point Pen - Press Firmly

APPROVAL CODE D)_____ B)___

GENERIC CODE D)_____ B)_____

CUSTOMER #_____

LSR #_____

MASTER WPS ___YES ___NO

TECHNICAL REP. INITIALS_____

BROKER NAME (If Applicable)_____

APPROVAL DATE_____

A. GENERATOR INFORMATION

GENERATOR'S NAME LOCKHEED MARTIN CORP.

MAILING ADDRESS 7921 SOUTHPARK PLAZA, SUITE 210, LITTLETON, CO.

WASTE PICKUP ADDRESS 365 LAKEVILLE ROAD, GREAT NECK, NY 11020

EPA ID NO. NYR000043521 MSDS ATTACHED ___YES X NO

TECH CONTACT CHRISTINA TOOHY PHONE 631-294-7600

COMMON NAME OF WASTE _____

PROCESS GENERATING WASTE DECONTAMINATION OF FACILITY

BIENNIAL REPORT CODES: SIC CODE _____ SOURCE CODE A_____ FORM CODE B_____

ORIGIN CODE _____ SYSTEM TYPE _____

IS THIS WASTE FROM A PLANT CLOSURE OR PLANT CLEAN UP? ✓YES ___NO.

B. PHYSICAL/CHEMICAL CHARACTERISTIC

REACTIVITY (PPM)
TOTAL CYANIDES NA
AMENABLE CYANIDES_____
REACTIVE SULFIDES_____
CHECK IF WASTE IS:
___WATER REACTIVE
___AIR REACTIVE
___SHOCK SENSITIVE
___GENERATES TOXIC FUMES WHEN MIXED WITH ACID, BASE, OR H20

ODOR
X NONE ___MILD ___STRONG
DESCRIBE:_____

COLOR_____

PHYSICAL STATE @ 70° F
X SOLID
___LIQUID
___POWDER
___SEMI-SOLID
___SINGLE PHASE
___BI-LAYERED
___MULTI-LAYERED
___GAS/AEROSOL

CORROSIVITY (pH)
___≤ 2.0
___2.01 - 5.0
X 5.01 - 9.0
___9.01 - 12.49
___≥ 12.50
EXACT pH_____

PERCENT LIQUID/SOLID
TOTAL SOLIDS 97-100 %
SUSPENDED SOLIDS_____ %
FREE LIQUID 0-3 %
WATER_____ %

IGNITABILITY
LIQUIDS:
FLASH POINT °F
___< 100°
___≥ 100° ≤ 140°
___> 140° ≤ 200°
X >200°
ACTUAL
SOLIDS:
___YES ___NO

SPECIFIC GRAVITY
___< .8
___≥ .8 ≤ 1
X > 1 ≤ 1.2
___> 1.2
EXACT:_____

C. CHEMICAL COMPOSITION

	Check if SARA Title III Sec 313	Check if SARA III EHS Sec 302	RANGE MIN.-MAX.
paint chips			50-60 %
dust			20-30 %
cardboard			5-10 %
drywall			5-10 %
plastic			5-10 %
			%
			%
			%
			%
			%
			%
			%
TOTAL			%

PLEASE NOTE THE CHEMICAL COMPOSITION TOTAL IN THE RANGE (MAX.) COLUMN MUST BE GREATER THAN OR EQUAL TO 100 PERCENT

D. TOXICITY CHARACTERISTICS

CONTAMINANT	EPA WASTE #	REGULATORY LEVEL (mg/L)	ACTUAL LEVEL
Arsenic	D004	5.0	BRL
Barium	D005	100.0	
Cadmium	D006	1.0	
Chromium	D007	5.0	
Chromium CR+6	D007	5.0	
Lead	D008	5.0	
Mercury	D009	0.2	
Selenium	D010	1.0	
Silver	D011	5.0	
Benzene	D018	0.5	
Carbon Tetrachloride	D019	0.5	
Chlordane	D020	0.03	
Chlorobenzene	D021	100.0	
Chloroform	D022	6.0	
o-Cresol	D023	200.0[2]	
m-Cresol	D024	200.0[2]	
p-Cresol	D025	200.0[2]	
Cresol	D026	200.0[2]	
2,4- D	D016	10.0	
1,4-Dichlorobenzene	D027	7.5	
1,2-Dichloroethane	D028	0.5	
1,1-Dichloroethylene	D029	0.7	
2,4-Dichlorotoluene	D030	0.13[1]	
Endrin	D012	0.02	
Heptachlor (and its hydroxide)	D031	0.008	
Hexachlorobenzene	D032	0.13[1]	
Hexachlorobutadiene	D033	0.5	
Hexachloroethane	D034	3.0	
Lindane	D013	0.4	
Methoxychlor	D014	10.0	
Methyl Ethyl Ketone	D035	200.0	
Nitrobenzene	D036	2.0	
Pentachlorophenol	D037	100.0	
Pyridine	D038	5.0[1]	
Tetrachloroethylene	D039	0.7	
Toxaphene	D015	0.5	
Trichloroethylene	D039	0.5	
2,4,5-Trichlorophenol	D041	400.0	
2,4,6- Trichlorophenol	D042	2.0	
2,4,5-TP (Silvex)	D017	1.0	
Vinyl chloride	D043	0.2	

[1] Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.
[2] If o-,m- and p-Cresol concentrations cannot be differentiated, the total Cresol (D026) concentration is used. The regulatory level of total Cresol is 200mg/L

E. HAZARDOUS CHARACTERISTICS

___RADIOACTIVE
___INFECTIOUS
___TOXIC
___EXPLOSIVE
___PYROPHORIC
___OXIDIZER
___CORROSIVE
___OTHER DESCRIBE _____
X NONE OF THE ABOVE

___COMPRESSED GAS
___FLAMMABLE SOLID
___ORGANIC PEROXIDE
___SHOCK SENSITIVE
___REACTIVE METALS (SPECIFY IN SECTION C)

F. IDENTIFY THE HEALTH HAZARD CHARACTERISTICS FROM THE TABLE BELOW

IMMEDIATE (ACUTE) HEALTH HAZARD — X NONE

___HIGHLY TOXIC
___TOXIC
___IRRITANT
___SENSITIZER
___CORROSIVE
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF SHORT TERM EXPOSURE AND WITH A SHORT DURATION.

DELAYED (CHRONIC) HEALTH HAZARD

___CARCINOGENS (if carcinogens are known to be in waste specify the carcinogen in Section C)
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF LONG TERM EXPOSURE AND WITH A LONG DURATION

G. SHIPPING INFORMATION

___BULK LIQUID
___BULK SOLID
___BULK SLUDGE
___OTHER DESCRIBE _____
X DRUMS (STEEL)
___DRUMS (POLY)

SHIPPING FREQUENCY
QUANTITY 5 PER one time

H. MANIFEST INFORMATION

IS THIS A D.O.T. HAZARDOUS MATERIAL? ___YES X NO

PROPER D.O.T. SHIPPING NAME (49CFR Table 172.101) _____ RQ UNITS (lb/kg) _____

D.O.T. HAZARD CLASS / DIVISION: _____ UN/NA ___ _____ PACKAGING GROUP (circle one) I II III

ADDITIONAL DESCRIPTIONS REQUIREMENTS (49CFR 172.203) _____

EMERGENCY RESPONSE TELEPHONE NUMBER (49CFR 172.604) 631-391-5213 CONTACT (Print Name) CHRISTINA TOUHY

I. WASTE CHARACTERISTICS

1) IS THIS A USEPA HAZARDOUS WASTE? ___YES X NO US EPA HAZARDOUS WASTE NUMBER(S) _____ HAZARD CODES _____
IF YES, IF THE WASTE IS A CHARACTERISTIC HAZARDOUS WASTE, DOES IT CONTAIN UNDERLYING HAZARDOUS CONSTITUENTS (as defined at 40CFR 268.2(i)). ABOVE THE UNIVERSAL TREATMENT STANDARD ___YES ___NO.
IF YES PLEASE COMPLETE THE UHC WASTE PROFILE ADDENDUM.

2) STATE NON-HAZARDOUS WASTE NUMBER(S) _____

3) DOES THIS WASTE CONTAIN ANY PCB's ___YES X NO IF YES INDICATE LEVEL _____ ARE PCB'S TSCA REQULATED? ___YES ___NO

4) DOES THIS WASTE CONTAIN ANY HERBICIDES, PESTICIDES, DIXON OR RESIDUES THEREOF ___YES X NO
If yes, list compound and concentration in Section C

5) IS THIS WASTE PROHIBITED FROM LAND DISPOSAL UNDER 40CFR Part 268 ___YES X NO.
es, list waste subcategory description, if applicable _____ or check none. ___NONE

6, HIS WASTE A (Check one) X NON-WASTEWATER ___WASTEWATER? (See 40CFR 268.2)

7) BENZENE NESHAP APPLICABILITY: Is this waste subject to management under National Emission Standards for Benzene Waste Operations as provided in 40CFR Part 61 Subpart FF ___YES X NO IF YES, GIVE BENZENE CONCENTRATION _____

8).DOES THIS WASTE CONTAIN ANY N-NITROSO-N-METHYLUREA? ___YES X NO IF YES, GIVE CONCENTRATION

9) IF THIS WASTE IS A RCRA HAZARDOUS WASTE DOES IT CONTAIN VOC's IN CONCENTRATIONS ≥ 500 PPM.(40CFR Subpart CC) ___YES X NO

10) ARE THERE ANY SPECIAL HANDLING INSTRUCTIONS FOR THE DISPOSAL OF THIS WASTE ___YES X NO, IF YES, SPECIFY _____

J. AUTHORIZATION TO CORRECT WMPS

I AUTHORIZE S&W WASTE, INC. TO MAKE CORRECTIONS TO THIS WMPS. CORRECTIONS MUST BE CONSISTENT WITH THE RESULTS OF SAMPLE ANALYSIS AND REGULATORY REQUIREMENTS. I UNDERSTAND THAT A CORRECTED COPY OF THE WMPS WILL BE SENT TO ME.

SIGNATURE X Carlo San Giovanni II on behalf of Lockheed Martin Corporation

K. SPECIAL HANDLING COMMENTS

L. OFFICIAL USE ONLY

M. APPROVAL

SAFETY _____
ENVIRON _____

N. POLYCHLORINATED BIPHENYL (PCB), HERBICIDE, PESTICIDE, INSECTICIDE/ALUMINUM AND REACTIVE METAL WARRANTY

I hereby warrant that the material transfered to S&W Waste, Inc., for transportation, treatment, storage and/or disposal is not radioactive waste, does not contain > 1% asbestos and is not contaminated by either Polychlorinated Biphenyl or Herbicide/Pesticide/Insceticide or Dioxins or Furans of any value unless it is listed in Section C and approved by S&W Waste, Inc., nor does it contain Elemental Aluminum or Reactive Metal Paste, Powder, or Pigment unless it is listed in Section C and approved by S&W Waste, Inc. and hereby agree to indemnify and hold S&W Waste, Inc. harmless from any costs, damages, or other liability resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet, including the indemnification listed on the back page.

O. The information on this Waste Material Profile Sheet (WMPS) may have been prepared by other Indivciduals. By signing Section O of this WMPS I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards

DATE	PRINTED NAME	TITLE	GENERATOR'S SIGNATURE
X 23-01	(X) Carlo San Giovanni	(X) Principal Scientist	(X) Carlo San Giovanni on behalf of Lockheed Martin Corporation

S&W Waste, Inc. has all the appriprate permits for and will accept the waste that has been characterized /identified by this Approved Waste Material Profile Sheet.
wps2.doc 11/98

S & W WASTE, INC

115 Jacobus Ave., South Kearny, NJ 07032 (973) 344-4004

Use Ball Point Pen - Press Firmly

APPROVAL CODE D)_____ B)_____
GENERIC CODE D)_____ B)_____
CUSTOMER # _____
LSR # _____
MASTER WPS ___YES ___NO
TECHNICAL REP. INITIALS _____ _____
BROKER NAME (If Applicable)_____
APPROVAL DATE _____

A. GENERATOR INFORMATION

GENERATOR'S NAME LOCKHEED MARTIN CORP.

MAILING ADDRESS 1921 SOUTHPARK PLAZA, SUITE 210, LITTLETON, CO

WASTE PICKUP ADDRESS 365 LAKEVILLE RD. GREAT NECK, NY 11020

EPA ID NO. NYR000043521 MSDS ATTACHED ___YES X NO

TECH CONTACT CHRISTINA TOUHY PHONE 631-294-7600

COMMON NAME OF WASTE _____

PROCESS GENERATING WASTE DECON BUILDING

BIENNIAL REPORT CODES: SIC CODE ____ SOURCE CODE A____ FORM CODE B____
ORIGIN CODE _____ SYSTEM TYPE _____

IS THIS WASTE FROM A PLANT CLOSURE OR PLANT CLEAN UP? X YES ___NO.

B. PHYSICAL/CHEMICAL CHARACTERISTIC

REACTIVITY (PPM)
TOTAL CYANIDES NA
AMENABLE CYANIDES ____
REACTIVE SULFIDES ____
CHECK IF WASTE IS:
___WATER REACTIVE
___AIR REACTIVE
___SHOCK SENSITIVE
___GENERATES TOXIC FUMES WHEN MIXED WITH ACID, BASE, OR H_2O

ODOR
X NONE ___MILD ___STRONG
DESCRIBE: _____

COLOR _____

PHYSICAL STATE @ 70° F
___SOLID
X LIQUID
___POWDER
___SEMI-SOLID
___SINGLE PHASE
___BI-LAYERED
___MULTI-LAYERED
___GAS/AEROSOL

CORROSIVITY (pH)
___≤ 2.0
___2.01 - 5.0
X 5.01 - 9.0
___9.01 - 12.49
___≥ 12.50
_____EXACT pH

PERCENT LIQUID/SOLID
TOTAL SOLIDS _____ %
SUSPENDED SOLIDS 0-1 %
FREE LIQUID 99-100 %
WATER _____ %

IGNITABILITY
LIQUIDS:
FLASH POINT °F
___< 100°
___≥ 100° ≤ 140°
___> 140° ≤ 200°
X > 200°
_____ACTUAL
SOLIDS:
___YES ___NO

SPECIFIC GRAVITY
___< .8
___≥ .8 ≤ 1
X > 1 ≤ 1.2
___> 1.2
EXACT:

C. CHEMICAL COMPOSITION

	Check if Title III SARA 313	Check if EHS Sec 302	RANGE MIN.-MAX.
Water			95-100 %
Suspended solids			0-5 %
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
TOTAL			%

PLEASE NOTE THE CHEMICAL COMPOSITION TOTAL IN THE RANGE (MAX.) COLUMN MUST BE GREATER THAN OR EQUAL TO 100

D. TOXICITY CHARACTERISTICS

CONTAMINANT	EPA WASTE #	REGULATORY LEVEL (mg/L)	ACTUAL LEVEL
Arsenic	D004	5.0	BRL
Barium	D005	100.0	
Cadmium	D006	1.0	
Chromium	D007	5.0	
Chromium CR+6	D007	5.0	
Lead	D008	5.0	
Mercury	D009	0.2	
Selenium	D010	1.0	
Silver	D011	5.0	
Benzene	D018	0.5	
Carbon Tetrachloride	D019	0.5	
Chlordane	D020	0.03	
Chlorobenzene	D021	100.0	
Chloroform	D022	6.0	
o-Cresol	D023	200.0[2]	
m-Cresol	D024	200.0[2]	
p-Cresol	D025	200.0[2]	
Cresol	D026	200.0[2]	
2,4- D	D016	10.0	
1,4-Dichlorobenzene	D027	7.5	
1,2-Dichloroethane	D028	0.5	
1,1-Dichloroethylene	D029	0.7	
2,4-Dichlorotoluene	D030	0.13[1]	
Endrin	D012	0.02	
Heptachlor (and. its hydroxide)	D031	0.008	
Hexachlorobenzene	D032	0.13[1]	
Hexachlorobutadiene	D033	0.5	
Hexachloroethane	D034	3.0	
Lindane	D013	0.4	
Methoxychlor	D014	10.0	
Methyl Ethyl Ketone	D035	200.0	
Nitrobenzene	D036	2.0	
Pentachlorophenol	D037	100.0	
Pyridine	D038	5.0[1]	
Tetrachloroethylene	D039	0.7	
Toxaphene	D015	0.5	
Trichloroethylene	D039	0.5	
2,4,5-Trichlorophenol	D041	400.0	
2,4,6- Trichlorophenol	D042	2.0	
2,4,5-TP (Silvex)	D017	1.0	
Vinyl chloride	D043	0.2	

[1] Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.
[2] If o-,m- and p-Cresol concentrations cannot be differentiated, the total Cresol (D026) concentration is used. The regulatory level of total Cresol is 200mg/L

E. HAZARDOUS CHARACTERISTICS

___RADIOACTIVE
___INFECTIOUS
___TOXIC
___XPLOSIVE
___PYROPHORIC
___OXIDIZER
___CORROSIVE
___OTHER DESCRIBE _____
X NONE OF THE ABOVE

___COMPRESSED GAS
___FLAMMABLE SOLID
___ORGANIC PEROXIDE
___SHOCK SENSITIVE
___REACTIVE METALS (SPECIFY IN SECTION C)

F. IDENTIFY THE HEALTH HAZARD CHARACTERISTICS FROM THE TABLE BELOW

IMMEDIATE (ACUTE) HEALTH HAZARD — X NONE

___HIGHLY TOXIC
___TOXIC
___IRRITANT
___SENSITIZER
___CORROSIVE
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF SHORT TERM EXPOSURE AND WITH A SHORT DURATION.

DELAYED (CHRONIC) HEALTH HAZARD

___CARCINOGENS (If carcinogens are known to be in waste specify the carcinogen in Section C)
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF LONG TERM EXPOSURE AND WITH A LONG DURATION

G. SHIPPING INFORMATION

___BULK LIQUID
___BULK SOLID
___BULK SLUDGE
___OTHER DESCRIBE _____
X DRUMS (STEEL)
___DRUMS (POLY)

SHIPPING FREQUENCY
QUANTITY 1 PER one time

H. MANIFEST INFORMATION

IS THIS A D.O.T. HAZARDOUS MATERIAL? ___YES X NO

PROPER D.O.T. SHIPPING NAME (49CFR Table 172.101) _____ RQ UNITS (lb/kg)_____

D.O.T. HAZARD CLASS / DIVISION: _____ UN/NA _____ PACKAGING GROUP (circle one) I II III

ADDITIONAL DESCRIPTIONS REQUIREMENTS (49CFR 172.203) _____

EMERGENCY RESPONSE TELEPHONE NUMBER (49CFR 172.604) 631-391-5213 CONTACT (Print Name) CHRISTINA TOUHY

I. WASTE CHARACTERISTICS

1) IS THIS A USEPA HAZARDOUS WASTE? ___YES X NO US EPA HAZARDOUS WASTE NUMBER(S) _____ HAZARD CODES _____
IF YES, IF THE WASTE IS A CHARACTERISTIC HAZARDOUS WASTE, DOES IT CONTAIN UNDERLYING HAZARDOUS CONSTITUENTS (as defined at 40CFR 268.2(i)). ABOVE THE UNIVERSAL TREATMENT STANDARD ___YES X NO.
IF YES PLEASE COMPLETE THE UHC WASTE PROFILE ADDENDUM.

2) STATE NON-HAZARDOUS WASTE NUMBER(S) _____

3) DOES THIS WASTE CONTAIN ANY PCB's ___YES X NO IF YES INDICATE LEVEL _____ ARE PCB'S TSCA REQULATED? ___YES___ NO

4) DOES THIS WASTE CONTAIN ANY HERBICIDES, PESTICIDES, DIXON OR RESIDUES THEREOF ___YES X NO
If yes, list compound and concentration in Section C

5) IS THIS WASTE PROHIBITED FROM LAND DISPOSAL UNDER 40CFR Part 268 X YES ___NO.
Yes, list waste subcategory description, if applicable _____ or check none. ___NONE

6) THIS WASTE A (Check one) ___NON-WASTEWATER X WASTEWATER? (See 40CFR 268.2)

7) BENZENE NESHAP APPLICABILITY: Is this waste subject to management under National Emission Standards for Benzene Waste Operations as provided in 40CFR Part 61 Subpart FF ___YES X NO IF YES, GIVE BENZENE CONCENTRATION _____

8).DOES THIS WASTE CONTAIN ANY N-NITROSO-N-METHYLUREA? ___YES X NO IF YES, GIVE CONCENTRATION

9) IF THIS WASTE IS A RCRA HAZARDOUS WASTE DOES IT CONTAIN VOC's IN CONCENTRATIONS ≥ 500 PPM.(40CFR Subpart CC) ___YES X NO

10) ARE THERE ANY SPECIAL HANDLING INSTRUCTIONS FOR THE DISPOSAL OF THIS WASTE ___YES X NO, IF YES, SPECIFY _____

J. AUTHORIZATION TO CORRECT WMPS

I AUTHORIZE S&W WASTE, INC. TO MAKE CORRECTIONS TO THIS WMPS. CORRECTIONS MUST BE CONSISTENT WITH THE RESULTS OF SAMPLE ANALYSIS AND REGULATORY REQUIREMENTS. I UNDERSTAND THAT A CORRECTED COPY OF THE WMPS WILL BE SENT TO ME.

SIGNATURE (X) Carlo SanGiovanni on behalf of Lockheed Martin Corporation

K. SPECIAL HANDLING COMMENTS

L. OFFICIAL USE ONLY

M. APPROVAL

SAFETY _____
ENVIRON _____

N. POLYCHLORINATED BIPHENYL (PCB), HERBICIDE, PESTICIDE, INSECTICIDE/ALUMINUM AND REACTIVE METAL WARRANTY

I hereby warrant that the material transfered to S&W Waste, Inc., for transportation, treatment, storage and/or disposal is not radioactive waste, does not contain > 1% asbestos and is not contaminated by either Polychlorinated Biphenyl or Herbicide/Pesticide/Insceticide or Dioxins or Furans of any value unless it is listed in Section C and approved by S&W Waste, Inc., nor does it contain Elemental Aluminum or Reactive Metal Paste, Powder, or Pigment unless it is listed in Section C and approved by S&W Waste, Inc. and hereby agree to Indemnify and hold S&W Waste, inc. harmless from any costs, damages, or other liability resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet, including the indemnification listed on the back page.

O. The information on this Waste Material Profile Sheet (WMPS) may have been prepared by other indivciduals. By signing Section O of this WMPS I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards

DATE	PRINTED NAME	TITLE	GENERATOR'S SIGNATURE
3-23-01	(X) Carlo SanGiovanni	(X) Principal Scientist	(X) Carlo SanGiovanni on behalf of Lockheed Martin Corporation

S&W Waste, Inc. has all the appriprate permits for and will accept the waste that has been characterized /identified by this Approved Waste Material Profile Sheet.
wps2.doc 11/98

INTEGRATED TECHNICAL SERVICES, INC.
P.O. BOX 156, 874 PINEY HOLLOW ROAD
WINSLOW, NJ 08095
609-567-8140 (Office Phone)
609-567-6128 (Operations Fax)
e-mail address: flahertyk@uspl.net
Toll free: 1-800-705-3411

facsimile transmittal

To:	Christina Berardi Tuohy	Fax:	631-249-7610
From:	Kate Flaherty (KF)	Date:	March 30, 2001
Re:	Profile for Baker tank sediment	Pages:	3
CC:			

☐ Urgent √ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Christina:

Here is the profile for the water and sediment remaining in the baker tanks that we are going to bring to S&W. Please have this signed and return it to me as soon as possible.

Thanks,
Kate

Carlo, please sign the attached profiles "on behalf of LMC". This profile is for the sediment in the bottom of the Baker tanks. ITS is using a combination of analytical results from the liquid in the Baker tank and the solids from general decon to profile the waste.

Watery Sediment
from Baker Tank
Clean-out
PROFILE 10 ~~drums~~ drums
4/2/01

says 10 drums Baker
Actually 11 drums
3 Baker
2 431 semi-tanker
6 Decon

S & W WASTE, INC

115 Jacobus Ave., South Kearny, NJ 07032 (973) 344-4004

Use Ball Point Pen - Press Firmly

APPROVAL CODE D)_____ B)_____
GENERIC CODE D)_____ B)_____
CUSTOMER #_____
LSR #_____
MASTER WPS ____YES ____NO
TECHNICAL REP. INITIALS_____
BROKER NAME (If Applicable)_____
APPROVAL DATE_____

A. GENERATOR INFORMATION

GENERATOR'S NAME LOCKHEED MARTIN CORP.

MAILING ADDRESS 7921 SOUTHPARK PLAZA, SUITE 210, LITTLETON, CO

WASTE PICKUP ADDRESS 365 LAKEVILLE ROAD, GREATNECK, NY 11020

EPA ID NO. NYR000043621 MSDS ATTACHED ____YES X NO

TECH CONTACT CHRISTINA TUCITY PHONE 631-294-7600

COMMON NAME OF WASTE_____

PROCESS GENERATING WASTE DECON OF FACILITY

BIENNIAL REPORT CODES: SIC CODE_____ SOURCE CODE A_____ FORM CODE B_____
ORIGIN CODE_____ SYSTEM TYPE_____

IS THIS WASTE FROM A PLANT CLOSURE OR PLANT CLEAN UP? X YES ____NO.

B. PHYSICAL/CHEMICAL CHARACTERISTIC

REACTIVITY (PPM)
TOTAL CYANIDES NA
AMENABLE CYANIDES_____
REACTIVE SULFIDES_____
CHECK IF WASTE IS:
____WATER REACTIVE
____AIR REACTIVE
____SHOCK SENSITIVE
____GENERATES TOXIC FUMES WHEN MIXED WITH ACID, BASE, OR H2O

ODOR
X NONE ____MILD ____STRONG
DESCRIBE:_____

COLOR_____

PHYSICAL STATE @ 70° F
____SOLID
____LIQUID
____POWDER
____SEMI-SOLID
____SINGLE PHASE
X BI-LAYERED
____MULTI-LAYERED
____GAS/AEROSOL

CORROSIVITY (pH)
____≤ 2.0
____2.01 - 5.0
X 5.01 - 9.0
____9.01 - 12.49
____≥ 12.50
_____EXACT pH

PERCENT LIQUID/SOLID
TOTAL SOLIDS 50 %
SUSPENDED SOLIDS_____ %
FREE LIQUID 50 %
WATER_____ %

IGNITABILITY
LIQUIDS:
FLASH POINT °F
____< 100°
____≥ 100° ≤ 140°
____> 140° ≤ 200°
X > 200°
_____ACTUAL
SOLIDS:
____YES ____NO

SPECIFIC GRAVITY
____< .8
____≥ .8 ≤ 1
X > 1 ≤ 1.2
____> 1.2
EXACT:_____

C. CHEMICAL COMPOSITION

	Check if SARA Title III Sec 313	Check if SARA III EHS Sec 302	RANGE MIN.-MAX.
Water			50 - 100 %
Sediment			50-100 %
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
TOTAL			%

PLEASE NOTE THE CHEMICAL COMPOSITION TOTAL IN THE RANGE (MAX.) COLUMN MUST BE GREATER THAN OR EQUAL TO 100 PERCENT

D. TOXICITY CHARACTERISTICS

CONTAMINANT	EPA WASTE #	REGULATORY LEVEL (mg/L)	ACTUAL LEVEL
Arsenic	D004	5.0	BRL
Barium	D005	100.0	
Cadmium	D006	1.0	
Chromium	D007	5.0	
Chromium CR+6	D007	5.0	
Lead	D008	5.0	
Mercury	D009	0.2	
Selenium	D010	1.0	
Silver	D011	5.0	
Benzene	D018	0.5	
Carbon Tetrachloride	D019	0.5	
Chlordane	D020	0.03	
Chlorobenzene	D021	100.0	
Chloroform	D022	6.0	
o-Cresol	D023	200.0[2]	
m-Cresol	D024	200.0[2]	
p-Cresol	D025	200.0[2]	
Cresol	D026	200.0[2]	
2,4- D	D016	10.0	
1,4-Dichlorobenzene	D027	7.5	
1,2-Dichloroethane	D028	0.5	
1,1-Dichloroethylene	D029	0.7	
2,4-Dichlorotoluene	D030	0.13[1]	
Endrin	D012	0.02	
Heptachlor (and its hydroxide)	D031	0.008	
Hexachlorobenzene	D032	0.13[1]	
Hexachlorobutadiene	D033	0.5	
Hexachloroethane	D034	3.0	
Lindane	D013	0.4	
Methoxychlor	D014	10.0	
Methyl Ethyl Ketone	D035	200.0	
Nitrobenzene	D036	2.0	
Pentachlorophenol	D037	100.0	
Pyridine	D038	5.0[1]	
Tetrachloroethylene	D039	0.7	
Toxaphene	D015	0.5	
Trichloroethylene	D039	0.5	
2,4,5-Trichlorophenol	D041	400.0	
2,4,6- Trichlorophenol	D042	2.0	
2,4,5-TP (Silvex)	D017	1.0	
Vinyl chloride	D043	0.2	

[1] Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.
[2] If o-,m- and p-Cresol concentrations cannot be differentiated, the total Cresol (D026) concentration is used. The regulatory level of total Cresol is 200mg/L

F. HAZARDOUS CHARACTERISTICS

___RADIOACTIVE
___INFECTIOUS
___TOXIC
___EXPLOSIVE
___PYROPHORIC
___OXIDIZER
___CORROSIVE
___OTHER DESCRIBE _____
X NONE OF THE ABOVE

___COMPRESSED GAS
___FLAMMABLE SOLID
___ORGANIC PEROXIDE
___SHOCK SENSITIVE
___REACTIVE METALS
(SPECIFY IN SECTION C)

F. IDENTIFY THE HEALTH HAZARD CHARACTERISTICS FROM THE TABLE BELOW

IMMEDIATE (ACUTE) HEALTH HAZARD — X NONE
___HIGHLY TOXIC
___TOXIC
___IRRITANT
___SENSITIZER
___CORROSIVE
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF SHORT TERM EXPOSURE AND WITH A SHORT DURATION.

DELAYED (CHRONIC) HEALTH HAZARD
___CARCINOGENS (if carcinogens are known to be in waste specify the carcinogen in Section C)
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF LONG TERM EXPOSURE AND WITH A LONG DURATION

G. SHIPPING INFORMATION

___BULK LIQUID
___BULK SOLID
___BULK SLUDGE
___OTHER DESCRIBE _____
SHIPPING FREQUENCY
QUANTITY 10 PER One time

X DRUMS (STEEL)
___DRUMS (POLY)

H. MANIFEST INFORMATION

IS THIS A D.O.T. HAZARDOUS MATERIAL? ___YES X NO
PROPER D.O.T. SHIPPING NAME (49CFR Table 172.101) _____ RQ UNITS (lb/kg)_____
D.O.T. HAZARD CLASS / DIVISION: _____ UN/NA _____ PACKAGING GROUP (circle one) I II III
ADDITIONAL DESCRIPTIONS REQUIREMENTS (49CFR 172.203) _____
EMERGENCY RESPONSE TELEPHONE NUMBER (49CFR 172.604) 631-294-7400 CONTACT (Print Name) CHRISTINA Nolty

I. WASTE CHARACTERISTICS

1) IS THIS A USEPA HAZARDOUS WASTE? ___YES X NO US EPA HAZARDOUS WASTE NUMBER(S) _____ HAZARD CODES _____
IF YES, IF THE WASTE IS A CHARACTERISTIC HAZARDOUS WASTE, DOES IT CONTAIN UNDERLYING HAZARDOUS CONSTITUENTS (as defined at 40CFR 268.2(i)). ABOVE THE UNIVERSAL TREATMENT STANDARD ___YES ___NO.
IF YES PLEASE COMPLETE THE UHC WASTE PROFILE ADDENDUM.

2) STATE NON-HAZARDOUS WASTE NUMBER(S) _____

3) DOES THIS WASTE CONTAIN ANY PCB's X YES ___NO IF YES INDICATE LEVEL 1.26 ppb ARE PCB'S TSCA REGULATED? ___YES X NO

4) DOES THIS WASTE CONTAIN ANY HERBICIDES, PESTICIDES, DIXON OR RESIDUES THEREOF ___YES X NO
If yes, list compound and concentration in Section C

5) IS THIS WASTE PROHIBITED FROM LAND DISPOSAL UNDER 40CFR Part 268 X YES ___NO.
If yes, list waste subcategory description, if applicable _____ or check none. ___NONE

6) IS WASTE A (Check one) X NON-WASTEWATER ___WASTEWATER? (See 40CFR 268.2)

7) BENZENE NESHAP APPLICABILITY: Is this waste subject to management under National Emission Standards for Benzene Waste Operations as provided In 40CFR Part 61 Subpart FF ___YES X NO IF YES, GIVE BENZENE CONCENTRATION _____

8) DOES THIS WASTE CONTAIN ANY N-NITROSO-N-METHYLUREA? ___YES X NO IF YES, GIVE CONCENTRATION

9) IF THIS WASTE IS A RCRA HAZARDOUS WASTE DOES IT CONTAIN VOC's IN CONCENTRATIONS ≥ 500 PPM.(40CFR Subpart CC) ___YES X NO

10) ARE THERE ANY SPECIAL HANDLING INSTRUCTIONS FOR THE DISPOSAL OF THIS WASTE ___YES X NO, IF YES, SPECIFY _____

J. AUTHORIZATION TO CORRECT WMPS

I AUTHORIZE S&W WASTE, INC. TO MAKE CORRECTIONS TO THIS WMPS. CORRECTIONS MUST BE CONSISTENT WITH THE RESULTS OF SAMPLE ANALYSIS AND REGULATORY REQUIREMENTS. I UNDERSTAND THAT A CORRECTED COPY OF THE WMPS WILL BE SENT TO ME.

SIGNATURE (X) C. SanGiovanni on behalf of Lockheed Martin Corp.

K. SPECIAL HANDLING COMMENTS

L. OFFICIAL USE ONLY

M. APPROVAL

SAFETY _____
ENVIRON _____

N. POLYCHLORINATED BIPHENYL (PCB), HERBICIDE, PESTICIDE, INSECTICIDE/ALUMINUM AND REACTIVE METAL WARRANTY

I hereby warrant that the material transfered to S&W Waste, Inc., for transportation, treatment, storage and/or disposal is not radioactive waste, does not contain > 1% asbestos and is not contaminated by either Polychlorinated Biphenyl or Herbicide/Pesticide/Insceticide or Dioxins or Furans of any value unless it is listed in Section C and approved by S&W Waste, Inc., nor does it contain Elemental Aluminum or Reactive Metal Paste, Powder, or Pigment unless it is listed in Section C and approved by S&W Waste, Inc. and hereby agree to indemnify and hold S&W Waste, inc. harmless from any costs, damages, or other liability resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet, including the indemnification listed on the back page.

O. The Information on this Waste Material Profile Sheet (WMPS) may have been prepared by other indivciduals. By signing Section O of this WMPS I certify that all information, Including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards

DATE	PRINTED NAME	TITLE	GENERATOR'S SIGNATURE
X 2/01	(X) Carlo SanGiovanni	(X) Princip. Scientist	(X) C. SanGiovanni on behalf of Lockheed Martin Corporation

S&W Waste, Inc. has all the appriprate permits for and will accept the waste that has been characterized /identified by this Approved Waste Material Profile Sheet.
wps2.doc 11/98

Integrated Technical Services, Inc.
P.O. Box 156, 874 Piney Hollow Road
Winslow, New Jersey 08095
609-567-8140; FAX 609-567-6128

Facsimile Transmittal

To: CARISTINA TUCY PE **Fax:** 631 249 7610

From: Romey **Date:** 5-13-02

Re: Disposal Receipt Copy of **Pages:** 2

CC:

☐ Urgent ☑ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

COMMENTS:

Area 17 East
Wash water

ONE WATKINS TERRACE
NORTH AMITYVILLE, NEW YORK 11701
(516) 491-4300
FAX (516) 491-4764

FAX TRANSMISSION COVER SHEET

DATE: 4/11/02 TIME: _____

TO: INTEGRATED TECHNICAL SERVICES INC.

ATTN: VILMA

FAX #: 609-567-6128

FROM: LTC

OF PAGES: 1 (Including Cover Sheet)

TIME IN 10:33

DEPARTMENT OF PUBLIC WORKS
Nassau County, N.Y.
CESSPOOL WASTES DISPOSAL RECEIPT

H 48346 PH

Collector: Name A2 Bobb Bro

Address: 1 Watkins Terrace N Amityville

Capacity of Tank in Gallons 3000

Permit No. 51 License No. AJ 43093 Date 11/27/01

Plant Attendant _____ (SIGNATURE)

Driver _____ (SIGNATURE)

The above form is to be made out in duplicate for each load: One copy to be given to the collector for his record, and copy for plant record.

Waste tickets
for Wash all but 17E
water & area 31
Standing water
(9/12/01)

TIME IN 5:05

DEPARTMENT OF PUBLIC WORKS
Nassau County, N.Y.
CESSPOOL WASTES DISPOSAL RECEIPT

H 47005 PT 6.2

Collector: Name BUSH BROS

Address: WATKINS TERRACE N AMITYVILLE

Capacity of Tank in Gallons 4000

Permit No. 41 License No. AN 17147 Date 3/28/2001

Plant Attendant [signature] (SIGNATURE)

Driver [signature] (SIGNATURE)

The above form is to be made out in duplicate for each load. One copy to be given to the collector for his record, and copy for plant record.
PW-4781.Rev.2/98

TIME IN 9:45

DEPARTMENT OF PUBLIC WORKS
Nassau County, N.Y.
CESSPOOL WASTES DISPOSAL RECEIPT

H 47006 PT

Collector: Name LONG ISLAND

Address: WATKINS TERRACE N. AMITYVILLE

Capacity of Tank in Gallons 4000

Permit No. 34 License No. 6219 AU Date 3/28/2001

Plant Attendant [signature] (SIGNATURE)

Driver [signature] (SIGNATURE)

The above form is to be made out in duplicate for each load. One copy to be given to the collector for his record, and copy for plant record.
PW-4781.Rev.2/98

TIME IN 9:01

DEPARTMENT OF PUBLIC WORKS
Nassau County, N.Y.
CESSPOOL WASTES DISPOSAL RECEIPT

H

47011 PH 60

Collector: Name BUSH BROS

Address: 1 WATKINS TERRACE N AMITYVILLE

Capacity of Tank in Gallons 4000

Permit No. 41 License No. AN17147 Date 3/29/2001

Plant Attendant [signature] (SIGNATURE)

Driver [signature] (SIGNATURE)

The above form is to be made out in duplicate for each load. One copy to be given to the collector for his record, and copy for plant record.
PW-4781.Rev.2/98

TIME IN 9:01

DEPARTMENT OF PUBLIC WORKS
Nassau County, N.Y.
CESSPOOL WASTES DISPOSAL RECEIPT

H

47012 PH 60

Collector: Name BUSH BROS

Address: 1 WATKINS TERRACE N. AMITYVILLE

Capacity of Tank in Gallons 4000

Permit No. 34 License No 6219 OAN Date 3/29/2001

Plant Attendant (SIGNATURE)

Driver Jim Grzybicki (SIGNATURE)

The above form is to be made out in duplicate for each load. One copy to be given to the collector for his record, and copy for plant record.
PW-4781.Rev.2/98

916

Nassau County, N.Y.
CESSPOOL WASTES DISPOSAL RECEIPT

H 47016 PH 6.0

Collector: Name BUSH BROS

Address: 1 WATKINS TERRACE N AMITYVILLE

Capacity of Tank in Gallons 4000

Permit No. _____ License No. AN-17147 Date 3/30/2001

Plant Attendant G Bashert (SIGNATURE)

Driver _____ (SIGNATURE)

The above form is to be made out in duplicate for each load. One copy to be given to the collector for his record, and copy for plant record.
PW-4781.Rev.2/98

TIME IN 1006

DEPARTMENT OF PUBLIC WORKS
Nassau County, N.Y.
CESSPOOL WASTES DISPOSAL RECEIPT

H 47022 PH 6.0

Collector: Name BUSH BROS

Address: 1 WATKINS TERRACE N AMITYVILLE

Capacity of Tank in Gallons 4000

Permit No. _____ License No. AN-17147 Date 4/2/2001

Plant Attendant G Bashert (SIGNATURE)

Driver _____ (SIGNATURE)

4000

The above form is to be made out in duplicate for each load. One copy to be given to the collector for his record, and copy for plant record.
PW-4781.Rev.2/98

Appendix K

Hazardous Waste Manifests

NYG 2427948

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

BR009717

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

I UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
NYD075796037	27948	1	BR009717

3. Generator's Name and Mailing Address: Lockheed Martin Corp. 365 Lakeville Road, Great Neck NY 11020

4. Generator's Telephone Number (631) 249 - 7600

A. NYG 2427948

B. Generator's ID: SAME

5. Transporter 1 (Company Name)	6. US EPA ID Number
Maumee Express Inc.	NJD986607380
7 Transporter 2 (Company Name)	8. US EPA ID Number

C. State Transporter's ID: NJ 334 *

D. Transporter's Telephone (732) 424-8441

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address	10. US EPA ID Number
CWM Chemical Services LLC 1550 Balmer Road Model City NY 14107	NYD049836679

G. State Facility ID

H. Facility Telephone (716) 754 - 8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste Liquid NOS 9, NA3082, PG III (F001, F003, F005)	XX	DM	XX100	G	EPA F001 F003 F005
b. Hazardous Waste Solid NOS 9, NA3077, PG-III (D006, D008)	XX	DM	XX250	P	EPA D006 STATE D008
c Hazardous Waste Solid NOS 9, NA 3077 PG-III (F001, F003, F005)	XX	DM	XX600	P	EPA F001 F003 STATE F005
d. Waste Corrosive Solid, Basic, Inorganic NOS 8, UN 3262 (D002)	XX	DM	XX100	P	EPA D002 STATE

J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above	
a Oil/Water w/Solvents B-14 & B-15	c Pit Sediment w/Solvents B-22 & B-23	a	c
b Drain Scrapings w/Lead & Cadmium B-20	d Const. Debris at Twy B-26	b	d

15. Special Handling Instructions and Additional Information

a - CRG174 c - CV9518 * Plate # AF-4911V
b - CV9517 d - CV9519
24 Hour Emergency Tel # (732) 424-8441

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
NICHOLAS VALENTINE	Nicholas Valentine as agent	04	05	02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
David Barnes	David Barnes for Lockheed Martin Corporation	04	05	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year

GENERATOR

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

NYG 2427948

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

BR009717

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NYD075796037
Manifest Doc. No.: 27948
2. Page 1 of 1

Information within heavy bold line is not required by Federal Law. BR009717

3. Generator's Name and Mailing Address: Lockheed Martin Corp. 365 Lakeville Road, Great Neck NY 11020
4. Generator's Telephone Number (631) 249-7600
5. Transporter 1 (Company Name): Maumee Express Inc.
6. US EPA ID Number: NJD986607380
7. Transporter 2 (Company Name)
8. US EPA ID Number
9. Designated Facility Name and Site Address: CWM Chemical Services LLC 1550 Balmer Road Model City NY 14107
10. US EPA ID Number: NYD049836679

A. NYG 2427948
B. Generator's ID: SAME
C. State Transporter's ID: NJ 334 *
D. Transporter's Telephone (732) 424-8441
E. State Transporter's ID
F. Transporter's Telephone ( )
G. State Facility ID
H. Facility Telephone (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste Liquid NOS 9, NA3082, PG III (F001, F003, F005)	XX2	DM	XX100	G	EPA F001 STATE F003 F005
b. Hazardous Waste Solid NOS 9, NA3077, PG III (D006, D008)	XX1	DM	XX250	P	EPA D006 STATE D008
c. Hazardous Waste Solid NOS 9, NA 3077 PG III (F001, F003, F005)	XX2	DM	XX600	P	EPA F001 STATE F003 F005
d. Waste Corrosive Solid, Basic, Inorganic NOS 8, UN 3262 (D002)	XX1	DM	XX100	P	EPA D002 STATE

J. Additional Descriptions for Materials listed Above
a. Oil/Water w/Solvents B-14 B-15
b. Drain Scrapings w/Lead & Cadmium B-20
c. Pit Sol vent w/Solvents B-22 B-23
d. Caustic Residue Tank B-26

K. Handling Codes for Wastes Listed Above
a ☐ c ☐
b ☐ d ☐

15. Special Handling Instructions and Additional Information
a- CR6174   c- CV9518   *Plate # AF-411U
b- CV9517   d- CV9519
24 Hour Emergency Tel # (732) 424-8441

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
Nicholas [illegible]	[signature]	04	17	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Donald Barnes	[signature]	04	17	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year

MXI

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

8296

GENERATOR NAME / ADDRESS	PHONE (AREA CODE)	GENERATOR EPA ID NO.:
Lockheed Martin Corp 365 Lakeville Road Great Neck NY 11020	(631) 249-7600	NYD075796037
	TRACTOR / TRAILER	APPOINTMENT TIME :
MXI REP. LOADING (PRINT): Dowahl Barnes	PROCEDURE / BOX SPOTTED / BOX REMOVED	TIME AT GENERATOR (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME
COMMENTS OR DELAYS AT GENERATOR		EQUIPMENT USED

BROKER:

PO. NO#:

STATE MANIFEST NO.: BT009717-A

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Waste DOT & RCRA Empty Drums	N/A	N/A	N/A	7	DM	175	P		
	2	Wash DOT & RCRA Empty Drums	N/A	N/A	N/A	1	DF	5	P		
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hour Emergency Tel # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE	GENERATOR'S SIGNATURE	DATE LOADED
	X _____ I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.	/ / MO. DAY YR.

TSDF NAME / ADDRESS / PHONE	(AREA CODE)	TSDF EPA ID NO.:
MXI Environmental LLC 17600 Jeb Stuart Highway Abingdon VA 24211	(276) 628-6053	NOT REQUIRED
	TRACTOR / TRAILER	APPOINTMENT TIME :
MXI REP. UNLOADING (PRINT)	PROCEDURE / BOX SPOTTED / BOX REMOVED	TIME AT TSDF (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME
COMMENTS OR DELAYS AT TSDF		EQUIPMENT USED

PLEASE PRINT NAME / TITLE	TSDF SIGNATURE	DATE UNLOADED
	X _____	/ / MO. DAY YR.

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059 SW-18582	OH- UPWO389242-OH	TN- NJD986607380
AR [illegible]469 [illegible]8	GA- NJD986607380	MA- NJD986607380	NM- NJD986607380	OK- 3762	UT- NJD986607380
AZ- NJD986607380	IL- 3401	MI- NJD986607380	NY- JA-334	PA- AH 0420	VT- NJD986607380
CA- 3184	IN- NJD986607380	MN- UPWO389242-OH	NV- UPWO389242-OH	RI- 702	VA- NJD9866073801
CT- HW-613	KS- NJD986607380	MS- NJD986607380	NC- NJD986607380	SC- NJD986607380	WV- UPWO389242-OH
DE- HW-409	KE- NJD986607380	M0- H-2083		TX- 41825	WI- 16148
	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI

MXI Maumee Express, Inc BR009717

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

8295

GENERATOR NAME / ADDRESS
Lockheed Martin Corp.
365 Lakeville Road
Great Neck NY 11020

PHONE (631) 249-7600 (AREA CODE)

GENERATOR EPA ID NO.: NYD075796037

TRACTOR | TRAILER

APPOINTMENT TIME :

MXI REP. LOADING (PRINT): Donald Reid

PROCEDURE | BOX SPOTTED | BOX REMOVED

TIME AT GENERATOR (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR

EQUIPMENT USED

BROKER:

PO. NO#:

STATE MANIFEST NO.: BR009717

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Waste Filter Socks Non DOT / Non RCRA	N/A	N/A	N/A	3	DM	450	P		
	2	Waste Poly/PPE Non DOT / Non RCRA	N/A	N/A	N/A	2	DM	300	P		
	3	Waste Non Haz Soil Non DOT/Non RCRA	N/A	N/A	N/A	5	DM	2,000	P		

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hour Emergency Tel # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE

GENERATOR'S SIGNATURE
X _____
I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED / / MO. DAY YR.

TSDF NAME / ADDRESS
MXI Environmental LLC
17600 Jeb Stuart Highway
Abingdon VA 24211

PHONE (276) 628-6053 (AREA CODE)

TSDF EPA ID NO.: NOT REQUIRED

TRACTOR | TRAILER

APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT)

PROCEDURE | BOX SPOTTED | BOX REMOVED

TIME AT TSDF (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE

TSDF SIGNATURE
X _____

DATE UNLOADED / / MO. DAY YR.

AL NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
A -1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD9866073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

EQ Tracking #_____

EQ WASTE CHARACTERIZATION REPORT

TO EXPEDITE YOUR WASTE APPROVAL, PLEASE COMPLETE THIS FORM ENTIRELY

Please Choose One EQ Management Facility

☐ Michigan Disposal Waste Treatment Plant (Stabilization and Treatment)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ Wayne Disposal, Inc. Site #2 Landfill (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID # MID 048 090 633
☒ Michigan Recovery Systems, Inc. (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road Phone: 800-521-0998	Romulus, MI 48174 Fax: 734-326-9375	EPA ID # MID 060 975 844
☐ EQIS – Transfer & Processing (Drum Transfer/Non-Hazardous Liquid Processing)	1010 Old Rawsonville Road Phone: 734-547-1000	Ypsilanti, MI 48197 Fax: 734-480-9195	EPA ID # MIR 000 033 969

Section 1 - Generator & Customer Information

SIC # _ _ _ _

Generator EPA ID # NYD 075796037

Generator Lockhee-Martin Corp

Facility Address 365 Lakevill Rd

City Great Neck State NY Zip 11020

County USA

Mailing Address (if different) _____

City _____ State _____ Zip _____

Generator Contact Nick Valkenburg

Title Vice President (ARCADIS)

Phone 631 249-7600 Fax 631 249-7610

EQ Customer No. 2614

Invoicing Company Brookside Environmental

Address 2108 Grand Avenue

City Baldwin State NY Zip 11510

Country USA

Invoicing Contact Richard Taylor

Phone 516-377-6300 Fax 516-377-6846

Technical Contact Richard Taylor

Phone _____ Fax _____

Section 2 - Shipping and Packaging Information

2.1) Shipping volume: 5-10 drums

Shipping frequency: ☐ One Time Only ☒ Annual

2.2) DOT shipping name

Hazardous Waste Solid, n.o.s.

2.3) Packaging : (check all that apply)

- ☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)
- ☐ Bulk Solid (Ton >2000 lbs/yd^3)
- ☐ Bulk Liquids (Gallons)
- ☐ Cubic Yard Boxes
- ☒ Drums
- ☐ Other (palletized, 5 gal. pails, etc.)_____

Quoted bulk disposal charges for solid materials will be billed by the cubic yd.. If waste density is less than 2,000 lbs. per cubic yd. If waste density is greater than 2,000 lbs. per cubic yd.. then bulk disposal charges will be billed by the ton regardless of the approved container.

Section 3 - Physical Characteristics

WASTE COMMON NAME: Pit Sediment (B-22,23)

3.1) Color (describe): Brown / Black

3.2) Odor (describe): Rotting Dirt

3.3) Physical state at 70 °F: (check all that apply)

☒ Solid ☐ Dust ☐ Liquid ☐ Sludge

3.4) Does this waste contain?: (check all that apply)

☐ Free Liquids ☐ Metal fines ☐ Powders ☐ Oily residue ☐ Biodegradable sorbents ☒ NONE

3.5) Does this waste contain?: (check all that apply) ☒ NONE

- ☐ Asbestos - friable
- ☐ Asbestos - non-friable
- ☐ Dioxins
- ☐ Furans
- ☐ Biohazard
- ☐ Pyrophoric waste
- ☐ Reactive waste
- ☐ Shock Sensitive waste
- ☐ Radioactive waste
- ☐ Explosives

3.6) Describe the composition of the waste (i.e. key chemical compounds. soil, water, ppe, debris, etc.):

Soil	98 to 100 %
Water	0 to 2 %
Trichloroethene	0 to 30 ppm
Toluene	0 to 70 ppm
Tetrachloroethene	0 - 120 ppm
Ethylbenzene	0 - 20 ppm
Xylene	0 - 100 ppm

3.7) Does this waste contain > 50% contaminated soil? ☒ Yes ☐ No

3.8) Does this waste contain >50% debris by volume? ☐ Yes ☒ No (debris is greater than 2.5 inches in size)

Section 4 - Generating Process and Regulatory Information

4.1) Provide a *detailed* description of the process (es) generating this waste (attach flow diagram if available):
Clean out of pit in former manufacturing facility.

Based upon RCRA waste regulations (40 CFR 261) and Michigan Act 451 Rules:

			Waste Code(s)
4.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)?	☒ Yes	☐ No	F001, F003, F005
4.3) Is this a MICHIGAN hazardous waste (Other than RCRA)?	☐ Yes	☒ No	
4.4) Is this a MICHIGAN nonhazardous liquid industrial waste?	☐ Yes	☒ No	
4.5) Is this a UNIVERSAL waste?	☐ Yes	☒ No	
4.6) Does this waste exceed LDR treatment standards?	☒ Yes	☐ No	
4.7) Is this an EPA RCRA characteristic hazardous waste (D001-D043)?	☐ Yes	☒ No	

4.8) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ >200°F

4.9) Is the waste an oxidizer?			☐ Yes	☒ No	
4.10) What is the pH of this waste?	☐ <2	☐ 2-4.9	☒ 5-10	☐ 10.1-12.4	☐ ≥12.5
4.11) Does this waste contain reactive cyanide ≥ 250 ppm?			☐ Yes	☒ No	
4.12) Does this waste contain reactive sulfide ≥ 500 ppm?			☐ Yes	☒ No	
4.13) Is the waste surcharge exempt? (attach surcharge form)			☐ Yes	☒ No	

Code		Regulatory Level TCLP (mg/L)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above ____
D005	Barium	100	☒ Below ☐ Above ____
D006	Cadmium	1	☒ Below ☐ Above ____
D007	Chromium	5	☒ Below ☐ Above ____
D008	Lead	5	☒ Below ☐ Above ____
D009	Mercury	0.2	☒ Below ☐ Above ____
D010	Selenium	1	☒ Below ☐ Above ____
D011	Silver	5	☒ Below ☐ Above ____
D012	Endrin	0.02	☒ Below ☐ Above ____
D013	Lindane	0.4	☒ Below ☐ Above ____
D014	Methoxychlor	10	☒ Below ☐ Above ____
D015	Toxaphene	0.5	☒ Below ☐ Above ____
D016	2,4-D	10	☒ Below ☐ Above ____
D017	2,4,5-TP(Silvex)	1	☒ Below ☐ Above ____
D018	Benzene	0.5	☒ Below ☐ Above ____
D019	CarbonTetrachloride	0.5	☒ Below ☐ Above ____
D020	Chlordane	0.03	☒ Below ☐ Above ____
D021	Chlorobenzene	100	☒ Below ☐ Above ____
D022	Chloroform	6.0	☒ Below ☐ Above ____
D023	o-Cresol	200	☒ Below ☐ Above ____

Code		Regulatory Level TCLP (mg/L)	Concentration (if above)
D024	m-Cresol	200	☒ Below ☐ Above ____
D025	p-Cresol	200	☒ Below ☐ Above ____
D026	Cresols	200	☒ Below ☐ Above ____
D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above ____
D028	1,2-Dichloroethane	0.5	☒ Below ☐ Above ____
D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above ____
D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above ____
D031	Heptachlor	0.008	☒ Below ☐ Above ____
D032	Hexachlorobenzene	0.13	☒ Below ☐ Above ____
D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above ____
D034	Hexachloroethane	3.0	☒ Below ☐ Above ____
D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above ____
D036	Nitrobenzene	2	☒ Below ☐ Above ____
D037	Pentachlorophenol	100	☒ Below ☐ Above ____
D038	Pyridine	5	☒ Below ☐ Above ____
D039	Tetrachloroethylene	0.7	☒ Below ☐ Above ____
D040	Trichloroethylene	0.5	☒ Below ☐ Above ____
D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above ____
D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above ____
D043	Vinyl Chloride	0.2	☒ Below ☐ Above ____

4.14) The hazardous constituent information is based on: ☒ Analysis (Please attach for review) ☒ Generator Knowledge ☒ Both

4.15) If this is a characteristic (D-coded) hazardous waste, does it contain underlying hazardous constituents (List in Section5)? ☐ Yes ☐ No ☒ N/A

Section 5 - Constituent Information

Review the following items in the EQ Resource Guide and indicate their concentrations below:
1) MVOC (Michigan Volatile Organic Compounds) 2) CCVOC (Subpart CC Volatile Organic Compounds)
3) UHC (Underlying Hazardous Constituents) 4) TRI (Toxic Release Inventory Constituents)

Indicate all constituents in your waste stream, their concentrations, and circle Yes or No for UHC:

UHC?		UHC?	
Yes-No		Yes-No	
Yes-No		Yes-No	
Yes-No		Yes-No	

EQ Tracking #_____

WASTE CHARACTERIZATION REPORT

TO EXPEDITE YOUR WASTE APPROVAL, PLEASE COMPLETE THIS FORM ENTIRELY

Please Choose One EQ Management Facility

☐ Michigan Disposal Waste Treatment Plant (Stabilization and Treatment)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ Wayne Disposal, Inc. Site #2 Landfill (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID # MID 048 090 633
☒ Michigan Recovery Systems, Inc. (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road Phone: 800-521-0998	Romulus, MI 48174 Fax: 734-326-9375	EPA ID # MID 060 975 844
☐ EQIS – Transfer & Processing (Drum Transfer/Non-Hazardous Liquid Processing)	1010 Old Rawsonville Road Phone: 734-547-1000	Ypsilanti, MI 48197 Fax: 734-480-9195	EPA ID # MIR 000 033 969

Section 1 - Generator & Customer Information

SIC # _____

Generator EPA ID # NYD075796037

Generator Lockheed-Martin Corp.

Facility Address 365 Lakeville Rd.

City Great Neck State NY Zip 11020

County USA

Mailing Address (if different) _____

City _____ State _____ Zip _____

Generator Contact Nick Valkenburg

Title Vice President (ARCADIS)

Phone 631 249-7600 Fax 631 249-7610

EQ Customer No. 2614

Invoicing Company Brookside Environmental

Address 2108 Grand Avenue

City Baldwin State NY Zip 11510

Country USA

Invoicing Contact Richard Taylor

Phone 516-377-6300 Fax 516-377-6846

Technical Contact Richard Taylor

Phone _____ Fax _____

Section 2 - Shipping and Packaging Information

2.1) Shipping volume: 5-10 drums

Shipping frequency: ☐ One Time Only ☒ Annual

2.2) DOT shipping name

Hazardous Waste Solid, n.o.s.

2.3) Packaging : (check all that apply)

☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)
☐ Bulk Solid (Ton >2000 lbs/yd^3)
☐ Bulk Liquids (Gallons)
☐ Cubic Yard Boxes
☒ Drums
☐ Other (palletized, 5 gal. pails, etc.)_____

Quoted bulk disposal charges for solid materials will be billed by the cubic yd., if waste density is less than 2,000 lbs. per cubic yd. If waste density is greater than 2,000 lbs. per cubic yd., then bulk disposal charges will be billed by the ton regardless of the approved container.

Section 3 - Physical Characteristics

WASTE COMMON NAME: Drain Scrapings (B-20)

3.1) Color (describe): Brown

3.2) Odor (describe): Rotting Dirt

3.3) Physical state at 70 °F: (check all that apply)

☒ Solid ☐ Dust ☐ Liquid ☐ Sludge

3.4) Does this waste contain?: (check all that apply)

☐ Free Liquids ☐ Metal fines ☐ Powders ☐ Oily residue
☐ Biodegradable sorbants ☒ NONE

3.5) Does this waste contain?: (check all that apply) ☒ NONE

☐ Asbestos - friable ☐ Pyrophoric waste
☐ Asbestos - non-friable ☐ Reactive waste
☐ Dioxins ☐ Shock Sensitive waste
☐ Furans ☐ Radioactive waste
☐ Biohazard ☐ Explosives

3.6) Describe the composition of the waste (i.e. key chemical compounds, soil, water, ppe, debris, etc.):

Soil	90 to 100 %
Debris	0 to 10 %
Lead	0 to 100 ppm
	to %
	Total = 100 %

3.7) Does this waste contain > 50% contaminated soil? ☒ Yes ☐ No

3.8) Does this waste contain >50% debris by volume? ☐ Yes ☒ No
(debris is greater than 2.5 inches in size)

Section 4 - Generating Process and Regulatory Information

4.1) Provide a *detailed* description of the process (es) generating this waste (attach flow diagram if available):
Scraping out of sediment from old floor drains.

Based upon RCRA waste regulations (40 CFR 261) and Michigan Act 451 Rules:

				Waste Code(s)
4.2) Is this an EPA RCRA listed hazardous waste (F, K, P or U)?	☐ Yes	☒ No		
4.3) Is this a MICHIGAN hazardous waste (Other than RCRA)?	☐ Yes	☒ No		
4.4) Is this a MICHIGAN nonhazardous liquid industrial waste?	☐ Yes	☒ No		
4.5) Is this a UNIVERSAL waste?	☐ Yes	☒ No		
4.6) Does this waste exceed LDR treatment standards?	☒ Yes	☐ No		D008, D006
4.7) Is this an EPA RCRA characteristic hazardous waste (D001-D043)?	☒ Yes	☐ No		
4.8) What is the flash point of this waste?	☐ <90°F	☐ 90-140°F	☐ 140-199°F	☒ >200°F
4.9) Is the waste an oxidizer?	☐ Yes	☒ No		
4.10) What is the pH of this waste?	☐ <2	☐ 2-4.9	☒ 5-10	☐ 10.1-12.4 ☐ ≥12.5
4.11) Does this waste contain reactive cyanide ≥ 250 ppm?	☐ Yes	☒ No		
4.12) Does this waste contain reactive sulfide ≥ 500 ppm?	☐ Yes	☒ No		
4.13) Is the waste surcharge exempt? (attach surcharge form)	☐ Yes	☒ No		

Code		Regulatory Level TCLP (mg/L)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above
D006	Cadmium	1	☐ Below ☒ Above 1.36
D007	Chromium	5	☒ Below ☐ Above
D008	Lead	5	☐ Below ☒ Above 47.1
D009	Mercury	0.2	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above
D017	2,4,5-TP(Silvex)	1	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above
D019	CarbonTetrachloride	0.5	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above

Code		Regulatory Level TCLP (mg/L)	Concentration (if above)
D024	m-Cresol	200	☒ Below ☐ Above
D025	p-Cresol	200	☒ Below ☐ Above
D026	Cresols	200	☒ Below ☐ Above
D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D028	1,2-Dichloroethane	0.5	☒ Below ☐ Above
D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D031	Heptachlor	0.008	☒ Below ☐ Above
D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D034	Hexachloroethane	3.0	☒ Below ☐ Above
D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D036	Nitrobenzene	2	☒ Below ☐ Above
D037	Pentachlorophenol	100	☒ Below ☐ Above
D038	Pyridine	5	☒ Below ☐ Above
D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D040	Trichloroethylene	0.5	☒ Below ☐ Above
D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D043	Vinyl Chloride	0.2	☒ Below ☐ Above

4.14) The hazardous constituent information is based on: ☒ Analysis (Please attach for review) ☒ Generator Knowledge ☒ Both

4.15) If this is a characteristic (D-coded) hazardous waste, does it contain underlying hazardous constituents (List in Section5)? ☐ Yes ☒ No ☐ N/A

Section 5 - Constituent Information

Review the following items in the EQ Resource Guide and indicate their concentrations below:
1) MVOC (Michigan Volatile Organic Compounds) 2) CCVOC (Subpart CC Volatile Organic Compounds)
3) UHC (Underlying Hazardous Constituents) 4) TRI (Toxic Release Inventory Constituents)

Indicate all constituents in your waste stream, their concentrations, and circle Yes or No for UHC:

UHC?	
Yes-No	
Yes-No	
Yes-No	

UHC?	
Yes-No	
Yes-No	
Yes-No	

Section 6 - PCB & TSCA Information

6.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 pp ☐ 50-499 ppm ☐ 500+ppm

6.2) Does the waste contain PCB contamination from a source with a concentration ≥50 ppm? ☐ Yes ☒ No

6.3) Does this waste contain free liquids? (use paint filter test) ☐ Yes ☒ No

6.4) Has this waste been processed into a non-liquid form? ☐ Yes ☒ No

If yes, what was the concentration of PCBs prior to processing? ☒ N/A ☐ 0-499 ppm ☐ 500+ ppm

6.5) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☒ No

6.6) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No

6.7) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

Section 7 - Benzene NESHAP Information

NESHAP SIC CODES		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

7.1) Does the waste stream come from a facility with one of the SIC codes listed under NESHAP? ☐ Yes ☒ No

7.2) Does your company manage wastes from facilities with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☒ No

→ *If you answered "NO" to question 7.1 AND 7.2 please skip to Section 8.*

7.3) Does the waste contain >10 % water? ☐ Yes ☐ No

7.4) What is the TAB quantity for your facility? _____ Mg/Year

7.5) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No

7.6) What is the total Benzene concentration in your waste? _____ percent or _____ ppmw.

(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602, and 624.)

Section 8 - Waste Constituent Information

→ COMPLETE FOR MICHIGAN DISPOSAL WASTE TREATMENT PLANT, WAYNE DISPOSAL, AND EQIS T&P

8.1) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? ☐ Yes ☒ No

8.2) Does this waste contain any MVOC constituents as defined in the EQ Resource Guide? ☐ Yes ☒ No

8.3) Is this waste subject to Subpart CC regulation (i.e., contain ≥500ppm (VOCs) Volatile Organic Compounds)? ☐ Yes ☒ No

→ If 8.1, 8.2 or 8.3 is "yes" --please indicate the constituents and their concentrations in the table provided in Section 5

Section 9 - Reclamation/Recycling/Fuel Blending

→ **Complete for Michigan Recovery Systems ONLY**

9.1) Heat value (BTU/lb): _____ Chlorine(%): _____ Water (%): _____ Solids (%): _____

9.2) Is this material a recoverable fuel? ☐ Yes ☐ No 9.3) Is this material for wastewater treatment? ☐ Yes ☐ No

→ If 9.1 or 9.2 is "yes" -please attach the Wastewater Addendum Form found in the EQ Resource Guide.

Section 10 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature _____ Printed Name _____

Company _____ Title _____ Date _____

The generator's signature must appear on the EQ Waste Characterization Report. If the generator has authorized a third-party to certify this document, a written notice (on generator letterhead) must accompany this submittal.
Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

GNRI - Giant Resource Recovery
The Best Solution - Recycling & Resource Recovery
Southeastern Chemical • 335 Industrial Road • PO Box 1335 • Sumter, SC 29151
Phone: (803) 773-1433 • Fax: (803) 775-6145
SCD036275624

Facility use only:
Date: _____ Accepted: _____
Sales / Broker: _____
☐ New Customer ☐ Additional location

☒ New ☐ Amendment

FACILITY PROFILE FORM

PROFILE NUMBER: SE-

A. GENERATOR INFORMATION

GENERATOR STATUS: ☐ Conditionally Exempt ☑ Small Quantity ☐ Large Quantity

Generator Name: Lockheed Martin EPA ID: NYD075796037
Primary Contact: Nick Vakenburg (ARCADIS) Phone #: 631 249-7680 Fax: _____
Location Address: 365 Lakeville Rd City: Great Neck State: NY Zip: 11020 County: USA
Mailing Address: _____ City: _____ State: _____ Zip: _____ County: _____
Billing Name: _____ Phone #: _____ Contact: _____
Billing Address: _____ City: _____ State: _____ Zip: _____ County: _____

B. WASTE DESCRIPTION

Waste Name: Oil/Water with solvents (B14+15)
Description of Process Generating Waste: Collection from recovery well
EPA/State Code(s): F001, F003, F005

C. WASTE CHARACTERISTICS (@ 70F)

Physical State: ☐ Solid ☒ Liquid ☐ Sludge Total Solids: _____ % Layering: ☐ None ☒ Bilayer ☐ Multilayer
Viscosity: ☐ Low (Thin) ☒ Medium ☐ High Specific Gravity: _____ Flash Point: ☐ None ☐ <140 ☒ >140 Ash: _____ %
Thousands of BTU/lb: _____ Sulfur: _____ % Halogens (Cl, F, Br): _____ % or ppm (circle one) pH: _____ to _____

D. CHEMICAL COMPOSITION

Chemical Constituents

Water (if present)	WATER	40-60 %	_____ %
	Oil	40-60 %	_____ %
	toluene	0-5 ppm	_____ %
	tetrachloroethene	0-5 ppm	_____ %
	Ethylbenzene	0-1 ppm	_____ %
	Xylene	0-5 ppm	_____ %
	Trimethylbenzene	0-5 ppm	_____ %

Total: Cyanides: -0- ppm Pesticides: -0- ppm PCB's: -0- ppm Beryllium: — ppm Antimony: — ppm
Nickel: — ppm Thallium: — ppm Zinc: — ppm Dioxins: — ppm ☐ (None of the above)

E. TCLP CERTIFICATION*

Complete each section

Profile #: _____

Regulatory Level Above	Regulatory Level Below			Regulatory Level, ppm	Actual Range
☐	☒	D004	Arsenic	5.0	
☐	☒	D005	Barium	100.0	
☐	☒	D006	Cadmium	1.0	
☐	☒	D007	Chromium	5.0	
☐	☒	D008	Lead	5.0	
☐	☒	D009	Mercury	0.2	
☐	☒	D010	Selenium	1.0	
☐	☒	D011	Silver	5.0	
☐	☒	D012	Endrin	0.02	
☐	☒	D013	Lindane	0.4	
☐	☒	D014	Methoxychlor	10.0	
☐	☒	D015	Toxaphene	0.5	
☐	☒	D016	2,4-D	10.0	
☐	☒	D017	2,4,5-TP (Silvex)	1.0	
☐	☒	D018	Benzene	0.5	
☐	☒	D019	Carbon Tetrachloride	0.5	
☐	☒	D020	Chlordane	0.03	
☐	☒	D021	Chlorobenzene	100.0	
☐	☒	D022	Chloroform	6.0	
☐	☒	D023	o-Cresol	200.0	
☐	☒	D024	m-Cresol	200.0	
☐	☒	D025	p-Cresol	200.0	
☐	☒	D026	Cresol	200.0	
☐	☒	D027	1,4-Dichlorobenzene	7.5	
☐	☒	D028	1,2-Dichloroethane	0.5	
☐	☒	D029	1,1-Dichloroethylene	0.7	
☐	☒	D030	2,4-Dinitrotoluene	0.13	
☐	☒	D031	Heptachlor	0.008	
☐	☒	D032	Hexachlorobenzene	0.13	
☐	☒	D033	Hexachlorobutadiene	0.5	
☐	☒	D034	Hexachloroethane	3.0	
☐	☒	D035	Methyl Ethyl Ketone	200.0	
☐	☒	D036	Nitrobenzene	2.0	
☐	☒	D037	Pentachlorophenol	100.0	
☐	☒	D038	Pyridine	5.0	
☒	☐	D039	Tetrachloroethylene	0.7	
☐	☒	D040	Trichloroethylene	0.5	
☐	☒	D041	2,4,5-Trichlorophenol	400.0	
☐	☒	D042	2,4,6-Trichlorophenol	2.0	
☐	☒	D043	Vinyl Chloride	0.2	

*The above TCLP is based on ☒ Actual Testing ☒ Generator Knowledge ☒ Both (Attach all applicable analysis)

F. SHIPPING INFORMATION

Volume (lbs/yr): 5-10 drums Shipping Frequency: ☐ One Time ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Container Size: ☒ Drums (size: 55gal.) ☐ Roll-Off (size: _____) ☐ Tanker ☐ Other: _____

Proper DOT Shipping Name: Hazardous Waste Liquid, n.o.s.

Hazard Class: _____ UN/NA #: _____ Packaging Group: _____ RQ, Information: _____

G. CERTIFICATION

Generator Certification

I certify, under penalty of law, that this document, and all attachments, were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manages the systems, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____

Print Name: _____ Date: _____

Title: _____

Disposal Facility Certification (for Omni use only)

In compliance with 40 CFR 264.12(b) and OAC 3745-54-12 (B), I certify that, based on the information presented in this document, this facility is permitted to accept the waste stream described herein, and do hereby inform the generator listed herein of acceptance of this waste for treatment, storage and/or disposal in the manner designated, and in compliance with the TSDF's standard terms and conditions.

Signature: _____

Print Name: _____ Date: _____

Title: _____

WM WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreement on File? ☒YES ☐NO
☒Hazardous ☐Non-Hazardous ☐TSCA

Profile Number: CR 6174
Renewal Date: / /

A. Waste Generator Information

1. Generator Name: Lockheed Martin Corp
2. SIC Code:
3. Facility Street Address: 365 Lakeville Road
4. Phone: (631) 249-7600
5. Facility City: Great Neck
6. State/Province: New York
7. Zip/Postal Code: 11020
8. Generator USEPA/Federal ID #: NY0075796037
9. County:
10. State/Province ID #:
11. Customer Name: Magnet Express Inc. (MXI)
12. Customer Phone: (732) 968-7905
13. Customer Contact: Joe Angelege
14. Customer Fax: (732) 968-6892
15. Billing Address 50 Howard St. Piscataway NJ 08854 ☐Same as above

B. Waste Stream Information

1. **Description**
   a. Name of Waste: Oil with Water (Drum B-14 & B-15) ✓
   b. Process Generating Waste: Collection from recovery well

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F	f. Layers	g. Free liquid range
Black	Oil	☐Solid ☒Liquid ☐Gas ☐Sludge ☐Other	☐Single Layer ☒Multi-layer	99 to 100 %
				h. pH: Range 5 to 9 %

i. Liquid Flash Point: ☐<73°F ☐73-99°F ☐100-139°F ☐140-199°F ☒≥ 200°F ☐Not applicable

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
Turbine Oil	40-80 %	Ethylbenzene	0-1 PPM
Water	20-60 %	Xylene	0-5 PPM
Toluene	0-5 PPM	Trimethylbenzene	0-5 PPM
Tetrachloroethene	0-5 PPM	Dichloroethene	0-1 PPM

Propylbenzene 0-1 PPM — TOTAL COMPOSITION MUST EQUAL OR EXCEED 100% — Dichlorobenzene 0-1 PPM

k. ☐Oxidizer ☐Pyrophoric ☐Explosive ☐Radioactive ☐Carcinogen ☐Infectious ☐Shock Sensitive ☐Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j) ☐YES ☒NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j) ☐YES ☒NO

n. Does the waste represented by this profile contain asbestos? ☐YES ☒NO
   If yes ☐friable ☐non-friable

o. Does the waste represented by this profile contain benzene? ☐YES ☒NO
   If yes, concentration _____ ppm
   Is the waste subject to the benzene waste operations NESHAP? ☐YES ☒NO

p. Is the waste subject to RCRA Subpart CC controls? ☐YES ☒NO
   If no, does the waste meet the organic LDR Exemption? ☒YES ☐NO
   If no, does the waste contain <500 ppmw volatile organic (VO)? ☒YES ☐NO
   Volatile organic concentration _____ ppmw

q. Does the waste contain any Class I or Class II ozone-depleting substances? ☐YES ☒NO

r. Does the waste contain debris? (list in Section B.1.j) ☐YES ☒NO

s. Is the waste subject to controls as a Group 1 wastewater or residual under the HON? ☐YES ☒NO
   If yes, is it a Table 8 _____ or Table 9 _____ compound?

2. **Quantity of Waste**
   Estimated Annual Volume 2 ☐Tons ☐Yards ☒Drums ☐Other (specify) _____

3. **Shipping Information**
   a. Packaging:
   ☐Bulk Solid; Type/Size: _____
   ☒Drum; Type; Size: 55 gal
   ☐Bulk Liquid; Type/Size: _____
   ☐Other: _____

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

b. Shipping Frequency: Units 2 Drums Per: ☐Month ☐Quarter ☐Year ☒One time ☐Other
c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f) ..... ☒YES ☐NO
d. Reportable Quantity (lbs.; kgs.): e. Hazard Class/ID #: 9, NA3082
f. USDOT Shipping Name: Hazardous Waste Liquid N.O.S. (F001, F003, F005)
g. Personal Protective Equipment Requirements: 9, NA3082, PG-III
h. Transporter/Transfer Station: Maumee Express Inc. (MXE)

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2 ..... ☒YES ☐NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) (F001, F003, F005)
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes, list in Section B.1.j) ..... ☒YES ☐NO
   c. Does this waste contain debris? (If yes, list size and type in Chemical Composition - B.1.) ..... ☐YES ☒NO
2. Is this a state hazardous waste? ..... ☒YES ☐NO
   Identify ALL state hazardous waste codes F001, F003, F005
3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ..... ☐YES ☒NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up provide relevant documentation.
4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ..... ☐YES ☒NO
5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (If yes, list in Chemical Composition - B.1.j) ..... ☐YES ☒NO
   a. If yes, were the PCBs imported into the U.S.? ..... ☐YES ☐NO

   Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ..... ☒YES ☐NO
7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ..... ☒YES ☐NO

☐Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: ☒ Nicholas Valkenburg Title: ☒ Vice President
Name (Type or Print): ☒Nick Valkenburg Company Name: ☒ARCADIS Date: ☒4.3.02
☒Check if additional information is attached. Indicate the number of attached pages 4
AS AGENT FOR LOCKHEED MARTIN CORP

D. WM Management's Decision — FOR WM USE ONLY

1. Management Method ☐Landfill ☐Non-hazardous Solidification ☐Bioremediation ☐Incineration ☐Hazardous Stabilization ☐Other (Specify)
2. Proposed Ultimate Management Facility:
3. Precautions, Special Handling Procedures, or Limitation on Approval;
4. Waste Form 5. Source 6. System Type

Special Waste Decision ☐Approved ☐Disapproved
Salesperson's Signature: Date:
Division Approval Signature (Optional): Date:
Special Waste Approvals Person Signature: Date:

WM WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreement on File? [X] YES [ ] NO Profile Number: CR

[X] Hazardous [ ] Non-Hazardous [ ] TSCA Renewal Date: / /

A. Waste Generator Information

1. Generator Name: Lockheed Martin Corp
2. SIC Code:
3. Facility Street Address: 365 Lakeville Road
4. Phone: (631) 279-7600
5. Facility City: Great Neck
6. State/Province: New York
7. Zip/Postal Code: 11020
8. Generator USEPA/Federal ID #: NYD075796037
9. County:
10. State/Province ID #:
11. Customer Name: Mayway Express Inc. (MXI)
12. Customer Phone: (732) 968-7905
13. Customer Contact: Joe Angelage
14. Customer Fax: (732) 968-6842
15. Billing Address: 50 Howard St Piscataway NJ 08854 [ ] Same as above

B. Waste Stream Information

1. Description
   a. Name of Waste: Drain Scrapings (Drum B-20) V
   b. Process Generating Waste: Floor Drain Clean Out

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F	f. Layers	g. Free liquid range / h. pH: Range
Brown	Rotting Soil	[X] Solid [ ] Liquid [ ] Gas [ ] Sludge [ ] Other	[X] Single Layer [ ] Multi-layer	0 to 0 % / pH: 5 to 9 %

i. Liquid Flash Point: [ ] <73°F [ ] 73-99°F [ ] 100-139°F [ ] 140-199°F [ ] ≥ 200°F [X] Not applicable

j. Chemical Composition (List all constituents (including halogenated organics, debris, and UHC's) present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
Soil	90 - 99 %	See Attached	
Debris (Rags, Sponges)	1 - 10 %	TCLP Metals Analyses	
Lead	1 - 100 PPM		
Cadmium	1 - 10 PPM		

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

k. [ ] Oxidizer [ ] Pyrophoric [ ] Explosive [ ] Radioactive [ ] Carcinogen [ ] Infectious [ ] Shock Sensitive [ ] Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j) ..... [ ] YES [X] NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j) ..... [ ] YES [X] NO

n. Does the waste represented by this profile contain asbestos? ..... [ ] YES [X] NO
   If yes, ... [ ] friable [ ] non-friable

o. Does the waste represented by this profile contain benzene? ..... [ ] YES [X] NO
   If yes, concentration _____ ppm
   Is the waste subject to the benzene waste operations NESHAP? ..... [ ] YES [X] NO

p. Is the waste subject to RCRA Subpart CC controls? ..... [ ] YES [X] NO
   If no, does the waste meet the organic LDR Exemption? ..... [X] YES [ ] NO
   If no, does the waste contain <500 ppmw volatile organic (VO)? ..... [X] YES [ ] NO
   Volatile organic concentration _____ ppmw

q. Does the waste contain any Class I or Class II ozone-depleting substances? ..... [ ] YES [X] NO

r. Does the waste contain debris? (list in Section B.1.j) ..... [X] YES [ ] NO

s. Is the waste subject to controls as a Group 1 wastewater or residual under the HON? ..... [ ] YES [X] NO
   If yes, is it a Table 8 _____ or Table 9 _____ compound?

2. **Quantity of Waste**
   Estimated Annual Volume: 10 Drum [ ] Tons [ ] Yards [X] Drums [ ] Other (specify) _____

3. **Shipping Information**
   a. Packaging:
   [ ] Bulk Solid; Type/Size: _____
   [X] Drum; Type; Size: 55 gal Open Top
   [ ] Bulk Liquid; Type/Size: _____
   [ ] Other: _____

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

b. Shipping Frequency: Units 1 Drum Per: ☐Month ☐Quarter ☐Year ☒One time ☐Other
c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f) ..... ☒YES ☐NO
d. Reportable Quantity (lbs.; kgs.): e. Hazard Class/ID #: 9, NA 3077
f. USDOT Shipping Name: Hazardous Waste, Solid, NOS (D006, D008)
g. Personal Protective Equipment Requirements: 9, NA 3077 PG-III
h. Transporter/Transfer Station: Maumee Express Inc. (MXI)

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2 ..... ☒YES ☐NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) D006, D008
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes, list in Section B.1.) ..... ☒YES ☐NO
   c. Does this waste contain debris? (If yes, list size and type in Chemical Composition - B.1.) ..... ☒YES ☐NO
2. Is this a state hazardous waste? ..... ☒YES ☐NO
   Identify ALL state hazardous waste codes D006, D008
3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ..... ☐YES ☒NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up provide relevant documentation.
4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ..... ☐YES ☒NO
5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (If yes, list in Chemical Composition - B.1.) ..... ☐YES ☒NO
   a. If yes, were the PCBs imported into the U.S.? ..... ☐YES ☐NO
6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ..... ☒YES ☐NO
7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ..... ☒YES ☐NO

☐Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: Nicholas Valkenburg Title: Vice President
Name (Type or Print): Nick Valkenburg Company Name: ARCADIS Date: 4.03.02
☒Check if additional information is attached. Indicate the number of attached pages 3
Its Agent For Lockheed Martin Corp.

D. WM Management's Decision — FOR WM USE ONLY

1. Management Method ☐Landfill ☐Non-hazardous Solidification ☐Bioremediation ☐Incineration ☐Hazardous Stabilization ☐Other (Specify)
2. Proposed Ultimate Management Facility:
3. Precautions, Special Handling Procedures, or Limitation on Approval;
4. Waste Form 5. Source 6. System Type

Special Waste Decision ☐Approved ☐Disapproved
Salesperson's Signature: Date:
Division Approval Signature (Optional): Date:
Special Waste Approvals Person Signature: Date:

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreement on File? [X] YES [ ] NO
[X] Hazardous [ ] Non-Hazardous [ ] TSCA

Profile Number: CR
Renewal Date: / /

A. Waste Generator Information

1. Generator Name: Lockheed Martin Corp
2. SIC Code:
3. Facility Street Address: 365 Lakeville Road
4. Phone: (631) 249-7600
5. Facility City: Great Neck
6. State/Province: New York
7. Zip/Postal Code: 11020
8. Generator USEPA/Federal ID #: NYD075796037
9. County:
10. State/Province ID #:
11. Customer Name: Maguez Express Inc. [MXI]
12. Customer Phone: (732) 968-7905
13. Customer Contact: Joe Angelone
14. Customer Fax: (732) 968-6842
15. Billing Address: 50 Howard St Piscataway NJ 08854 [ ] Same as above

B. Waste Stream Information

1. Description
   a. Name of Waste: Pit Sediment (B-22 & B-23) ✓
   b. Process Generating Waste: Clean Out of Pit in former Manufacturing Facility

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F	f. Layers	g. Free liquid range / h. pH: Range
Brown/Black	Rotting Soil	[X] Solid [ ] Liquid [ ] Gas [ ] Sludge [ ] Other	[X] Single Layer [ ] Multi-layer	0 to 0 % / pH: 5 to 9 %

i. Liquid Flash Point: [ ] <73°F [ ] 73-99°F [ ] 100-139°F [ ] 140-199°F [ ] ≥ 200°F [X] Not applicable

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
Soil	98-99%	Toluene	0-65 PPM
Water	0-2%	Tetrachloroethene	0-110 PPM
Dichloroethene	0-3 PPM	Ethylbenzene	0-15 PPM
Trichloroethene	0-20 PPM	Xylenes	0-85 PPM

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

k. [ ] Oxidizer [ ] Pyrophoric [ ] Explosive [ ] Radioactive
[ ] Carcinogen [ ] Infectious [ ] Shock Sensitive [ ] Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j) ..... [ ] YES [X] NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j) ..... [ ] YES [X] NO

n. Does the waste represented by this profile contain asbestos? ..... [ ] YES [X] NO
If yes ..... [ ] friable [ ] non-friable

o. Does the waste represented by this profile contain benzene? ..... [ ] YES [X] NO
If yes, concentration _____ ppm
Is the waste subject to the benzene waste operations NESHAP? ..... [ ] YES [X] NO

p. Is the waste subject to RCRA Subpart CC controls? ..... [ ] YES [X] NO
If no, does the waste meet the organic LDR Exemption? ..... [X] YES [ ] NO
If no, does the waste contain <500 ppmw volatile organic (VO)? ..... [X] YES [ ] NO
Volatile organic concentration _____ ppmw

q. Does the waste contain any Class I or Class II ozone-depleting substances? ..... [ ] YES [X] NO

r. Does the waste contain debris? (list in Section B.1.j) ..... [ ] YES [X] NO

s. Is the waste subject to controls as a Group 1 wastewater or residual under the HON? ..... [ ] YES [X] NO
If yes, is it a Table 8 _____ or Table 9 _____ compound?

2. Quantity of Waste
Estimated Annual Volume 2 Drums [ ] Tons [ ] Yards [X] Drums [ ] Other (specify) _____

3. Shipping Information
a. Packaging:
[ ] Bulk Solid; Type/Size: _____
[X] Drum; Type; Size: 55 gal Open Top
[ ] Bulk Liquid; Type/Size: _____
[ ] Other: _____

WM WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

b. Shipping Frequency: Units 20 drums Per: ☐Month ☐Quarter ☐Year ☒One time ☐Other
c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f) ..... ☒YES ☐NO
d. Reportable Quantity (lbs.; kgs.): e. Hazard Class/ID #: 9, NA 3077
f. USDOT Shipping Name: Hazardous Waste Solid, N.O.S. (F001, F003, F005)
g. Personal Protective Equipment Requirements: 9, NA 3077, PG III
h. Transporter/Transfer Station: Maumee Express Inc. (CWI)

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2 ..... ☒YES ☐NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) (F001, F003, F005)
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes, list in Section B.1.) ..... ☐YES ☒NO
   c. Does this waste contain debris? (If yes, list size and type in Chemical Composition - B.1.) ..... ☐YES ☒NO
2. Is this a state hazardous waste? ..... ☒YES ☐NO
   Identify ALL state hazardous waste codes (F001, F003, F005)
3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ..... ☐YES ☒NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up provide relevant documentation.
4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ..... ☐YES ☒NO
5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (If yes, list in Chemical Composition - B.1.) ..... ☐YES ☒NO
   a. If yes, were the PCBs imported into the U.S.? ..... ☐YES ☐NO
   Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ..... ☒YES ☐NO
7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ..... ☒YES ☐NO

☐Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: X Nicholas Valkenburg Title: X Vice President
Name (Type or Print): X Nick Valkenburg Company Name: X ARCADIS Date: X 4.3.02
☒Check if additional information is attached. Indicate the number of attached pages 2

As Agent for Lockheed Martin Corp

D. WM Management's Decision — FOR WM USE ONLY

1. Management Method ☐Landfill ☐Non-hazardous Solidification ☐Bioremediation ☐Incineration ☐Hazardous Stabilization ☐Other (Specify)
2. Proposed Ultimate Management Facility:
3. Precautions, Special Handling Procedures, or Limitation on Approval:
4. Waste Form 5. Source 6. System Type
Special Waste Decision ☐Approved ☐Disapproved
Salesperson's Signature: Date:
Division Approval Signature (Optional): Date:
Special Waste Approvals Person Signature: Date:

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreement on File? ☒YES ☐NO
☒Hazardous ☐Non-Hazardous ☐TSCA

Profile Number: CR
Renewal Date: / /

A. Waste Generator Information

1. Generator Name: Lockheed Martin Corp
2. SIC Code:
3. Facility Street Address: 365 Lakeville Road
4. Phone: (631) 249-7600
5. Facility City: Great Neck
6. State/Province: New York
7. Zip/Postal Code: 11020
8. Generator USEPA/Federal ID #: NYD075796037
9. County:
10. State/Province ID #:
11. Customer Name: Maumee Express Inc. (MXI)
12. Customer Phone: (732) 968-7905
13. Customer Contact: Joe Angelone
14. Customer Fax: (732) 968-6842
15. Billing Address 50 Howard St Piscataway NJ 08854 ☐Same as above

B. Waste Stream Information

1. **Description**
   a. Name of Waste: Caustic Encrusted Tub R-26
   b. Process Generating Waste: Removal of Dip Tub

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F	f. Layers	g. Free liquid range
White/Tan	None	☒Solid ☐Liquid ☐Gas ☐Sludge ☐Other	☒Single Layer ☐Multi-layer	0 to 0 %; h. pH: Range 12.5 to 13 %

i. Liquid Flash Point: ☐<73°F ☐73-99°F ☐100-139°F ☐140-199°F ☐≥ 200°F ☐Not applicable

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
Plastic Tub	95-98%		
Caustic Flake/Powder			
(Sodium Hydroxide)	2-5%		

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

k. ☐Oxidizer ☐Pyrophoric ☐Explosive ☐Radioactive
☐Carcinogen ☐Infectious ☐Shock Sensitive ☐Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j) ☐YES ☒NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j) ☐YES ☒NO

n. Does the waste represented by this profile contain asbestos? ☐YES ☒NO
If yes ☐friable ☐non-friable

o. Does the waste represented by this profile contain benzene? ☐YES ☒NO
If yes, concentration ______ ppm
Is the waste subject to the benzene waste operations NESHAP? ☐YES ☒NO

p. Is the waste subject to RCRA Subpart CC controls? ☐YES ☒NO
If no, does the waste meet the organic LDR Exemption? N/A ☐YES ☐NO
If no, does the waste contain <500 ppmw volatile organic (VO)? ☒YES ☐NO
Volatile organic concentration ______ ppmw

q. Does the waste contain any Class I or Class II ozone-depleting substances? ☐YES ☒NO

r. Does the waste contain debris? (list in Section B.1.j) ☒YES ☐NO

s. Is the waste subject to controls as a Group 1 wastewater or residual under the HON? ☐YES ☒NO
If yes, is it a Table 8 ______ or Table 9 ______ compound?

2. **Quantity of Waste**
Estimated Annual Volume 1 Drum ☐Tons ☐Yards ☒Drums ☐Other (specify) ______

3. **Shipping Information**
   a. Packaging:
   ☐Bulk Solid; Type/Size: ______ ☐Bulk Liquid: Type/Size: ______
   ☒Drum; Type; Size: 55 gal open top ☐Other: ______

WM WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

b. Shipping Frequency: Units 10 cum Per: ☐Month ☐Quarter ☐Year ☒One time ☐Other
c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f) ..... ☒YES ☐NO
d. Reportable Quantity (lbs.; kgs.): e. Hazard Class/ID #: PGIII 3262
f. USDOT Shipping Name: Waste Toxic, Liq, Salad, Basic Inorganic Nos (D002)
g. Personal Protective Equipment Requirements: 8, UN 3262, PG III
h. Transporter/Transfer Station: Maumee Express Inc. (419-25)

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2 ..... ☒YES ☐NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) D002
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes, list in Section B.1.) ..... ☐YES ☒NO
   c. Does this waste contain debris? (If yes, list size and type in Chemical Composition - B.1.) ..... ☒YES ☐NO
2. Is this a state hazardous waste? ..... ☒YES ☐NO
   Identify ALL state hazardous waste codes D002
3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ..... ☐YES ☒NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up provide relevant documentation.
4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ..... ☐YES ☒NO
5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (If yes, list in Chemical Composition - B.1.) ..... ☐YES ☒NO
   a. If yes, were the PCBs imported into the U.S.? ..... ☐YES ☐NO
6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ..... ☒YES ☐NO
7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ..... ☒YES ☐NO

☐Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: Nicholas Valkenburg Title: Vice President
Name (Type or Print): Nick Valkenburg Company Name: ARCADIS Date: 4.3.02
☐Check if additional information is attached. Indicate the number of attached pages
As Agent for Lockheed Martin Corp.

D. WM Management's Decision — FOR WM USE ONLY

1. Management Method ☐Landfill ☐Non-hazardous Solidification ☐Bioremediation ☐Incineration ☐Hazardous Stabilization ☐Other (Specify)
2. Proposed Ultimate Management Facility:
3. Precautions, Special Handling Procedures, or Limitation on Approval:
4. Waste Form 5. Source 6. System Type

Special Waste Decision ☐Approved ☐Disapproved
Salesperson's Signature: Date:
Division Approval Signature (Optional): Date:
Special Waste Approvals Person Signature: Date:

DECLARATION OF RESTRICTIVE COVENANTS

Dated:	Aug 30, 2004
Address:	365 Lakeville Road
City:	Lake Success, New York
Section:	8
Block:	B-18
Lots:	300H and 300K

COUNTY OF NASSAU
STATE OF NEW YORK

Record and Return to:

Robert E. Sandler, Esq.
Farrell Fritz, P.C.
EAB Plaza, West Tower, 14th Floor
Uniondale, NY 11556

DECLARATION OF RESTRICTIVE COVENANTS

This Declaration of Restrictive Covenants (the "Declaration") is made as of this 30 day of Aug, 2004 by I.Park Lake Success LLC, a Delaware limited liability company with offices at 485 West Putnam Avenue, Greenwich, Connecticut, 06830 (the "Owner") the owner of real property at 365 Lakeville Road in the Village of Lake Success and Town of North Hempstead, Nassau County, New York 11020 (the "Property"). A legal description of the Property is attached to this Agreement as Attachment 1. The Property is further described as Tax Parcel No. Section 8, Block B-18, Lots 300H and 300K.

RECITALS

A. WHEREAS, the Property has been identified by the New York State Department of Environmental Conservation ("NYSDEC") as an active hazardous waste disposal site and NYSDEC has placed the Property on the New York State Registry as Site Code No. 1-30-045. Owner's predecessor in interest has entered into an Order of Consent (Index No. W1-0787-96-12) (the "Order") with NYSDEC for the development and implementation of a remedial program at the Property.

B. WHEREAS, Arcadis and Arcadis Engineers and Architects of New York, P.C. have completed certain closure activities at the Property, which activities were conducted in conformance with the NYSDEC approved Closure Plan and Closure Work Plan prepared by Arcadis dated February 22, 2001.

C. WHEREAS, Arcadis and Arcadis Engineers and Architects of New York, P.C., have prepared a subsequent Closure Report dated July 2002 [Note: Date needs to be confirmed since we only have a draft copy] (the aforementioned Closure Plan, Closure Work Plan and the Closure Report are hereinafter collectively referred to as the "Closure Reports"), which reports recommend the recording of certain activity and use limitations concerning certain interior and exterior areas of the Property, as more particularly described hereinbelow.

NOW THEREFORE, the Owner intending to be legally bound, does hereby declare as follows:

1. In the event that any of the concrete floors or sump sidewalls located within any of the interior areas of the building on the Property described below and further identified on Attachment 2 annexed to this Agreement (the "Interior Areas") are accidentally breached, the following procedures must be followed:

a. Immediately notify the Owner, Lockheed Martin Corporation and the NYSDEC of such breach at the following addresses:

Owner: 485 West Putnam Avenue
Greenwich, CT 06830

b. Review the Closure Report to identify the constituents of concern present and other relative information concerning the actuality and use limitations referred to in the Closure Report (the "AUL").

c. Prepare and implement a health and safety plan to protect workers from potential exposure during the investigation or repair of the breach or during other construction activities in and around the area of the breach.

d. Restore the breached area as soon as possible.

2. In the event that the demolition of a building is required in any area governed by the AUL's, the Closure Report sets forth the requirements to insure adequate closure. The requirements include testing of demolition debris, proper handling of waste, investigation of underlying soils, inspection of any drain lines and any necessary remediation of impacted soils.

3. In the event that the exterior area described below and further identified on attachment 2 annexed to this document (the "Exterior Area") is disturbed in the future, the following procedures must be followed:

a. In the event that the concrete cap located five feet below grade is ever breached, immediate notifications should be made to the Owner Lockheed Martin Corporation and the NYSDEC.

b. Section 2.6 of the Closure Report should be reviewed to identify the constituents of concern present and other relevant information concerning the area.

c. Health and safety plans should be prepared and implemented to protect workers from potential exposure during their investigation or repair of the breach, or during other construction activities that may require breaching the slab.

d. Restoration of the breached area of the cap should be conducted as soon as possible to prevent potential, additional disturbance of the soil.

4. The following areas of the Property are referred to herein as the Interior Areas:

Photo Process Lab (Area 11)

Commencing at the northerly end of an arc having a radius of 54.00 feet and an arc length of 57.87 feet connecting the southerly side of Marcus Avenue with the easterly side of Lakeville

Road and running thence through lands of Lockheed Martin South 60°-26'-35" East 1111.60 feet to the point of beginning;
Running then from said point of beginning South 83°-59'-25" East 34.00 feet;
thence South 06°-00'-35" West 33.80 feet;
thence North 83°-59'-25" West 15.80 feet;
thence South 06°-00'-35" West 30.90 feet;
thence North 83°-59'-25" West 17.30 feet;
thence North 06°-00'-35" East 5.00 feet;
thence North 83°-59'-25" West 0.90 feet;
thence North 06°-00'-35" East 59.70 feet to the point or place of beginning.

Old Plating Area (Area 9)

Commencing at the northerly end of an arc having a radius of 54.00 feet and an arc length of 57.87 feet connecting the southerly side of Marcus Avenue with the easterly side of Lakeville Road and running thence through lands of Lockheed Martin South 49°-01 '-07" East 1437.72 feet to the point of beginning;

Running thence from said point of beginning North 06°-00'-35" East 58.00 feet;
thence South 83°-59'-25" East 38.00 feet;
thence South 06°-00'-35" West 25.00 feet;
thence South 83°-59'-25" East 7.00 feet;
thence North 06°-00'-35" East 25.00 feet;
thence South 83°-59'-25" East 43.00 feet;
thence South 06°-00'-35" West 25.00 feet;
thence North 83°-59'-25" West 5.00 feet;
thence North 06°-00'-35" East 32.00 feet;
thence South 83°-59'-25" East 9.00 feet;
thence South 06°-00'-35" West 7.00 feet;
thence South 83°-59'-25" East 5.00 feet;
thence North 06°-00'-35" East 7.00 feet;
thence South 83°-59'-25" East 13.00 feet;
thence South 06°-00'-35" West 7.00 feet;
thence South 83°-59'-25" East 25.00 feet;
thence South 06°-00'-35" West 57.00 feet;
thence North 83°-59'-25" West 52.00 feet;
thence North 06°-00'-35" East 25.00 feet;
thence North 83°-59'-25" West 5.00 feet;
thence South 06°-00'-35" West 7.00 feet;
thence North 83°-59'-25" West 38.00 feet;
thence South 06°-00'-35" West 6.00 feet;
thence North 83°-59'-25" West 5.00 feet;
thence North 06°-00'-35" East 13.00 feet;
thence North 83°-59'-25" West 7.00 feet;
thence South 06°-00'-35" West 26.00 feet;
thence North 83°-59'-25" West 38.00 feet to the point or place of beginning.

Hazardous Materials Room (Area 13)

Commencing at the northerly end of an arc having a radius of 54.00 feet and an arc length of 57.87 feet connecting the southerly side of Marcus Avenue with the easterly side of Lakeville Road and running thence through lands of Lockheed Martin South 56°-43'-45" East 2166.57 feet to the point of beginning;

Running thence from said point of beginning South 83°-59'-25" East 40.20 feet;
thence South 06°-00'-35" West 25.20 feet;
thence North 83°-59'-25" West 40.20 feet;
thence North 06°-00'-35" East 25.20 feet to the point or place of beginning.

Oil Storage Room/Pump Room (Area 8)

Commencing at the northerly end of an arc having a radius of 54.00 feet and an arc length of 57.87 feet connecting the southerly side of Marcus Avenue with the easterly side of Lakeville Road and running thence through lands of Lockheed Martin South 55°-45'-08" East 2185.19 feet to the point of beginning;

Running thence from said point of beginning South 83°-59'-25" East 41.00 feet;
thence South 06°-00'-35" West 60.90 feet;
thence North 83°-59'-25" West 41.00 feet;
thence North 06°-00'-35" East 60.90 feet to the point or place of beginning.

Reclamation Room (Area 17)

Commencing at the northerly end of an arc having a radius of 54.00 feet and an arc length of 57.87 feet connecting the southerly side of Marcus Avenue with the easterly side of Lakeville Road and running thence through lands of Lockheed Martin South 53°-46'-59" East 2226.81 feet to the point of beginning;

Running thence from said point of beginning South 83°-59'-25" East 41.70 feet;
thence South 06°-00'-35" West 46.70 feet;
thence North 83°-59'-25" West 41.70 feet;
thence North 06°-00'-35" East 46.70 feet to the point or place of beginning.

Paint Storage Room (Area 7)

Commencing at the northerly end of an arc having a radius of 54.00 feet and an arc length of 57.87 feet connecting the southerly side of Marcus Avenue with the easterly side of Lakeville Road and running thence through lands of Lockheed Martin South 52°-36'-1 5" East 2187.15 feet to the point of beginning;

Running thence from said point of beginning South 83°-59'-25" East 18.00 feet;
thence South 06°-00'-35" West 28.00 feet;
thence North 83°-59'-25" West 18.00 feet;
thence North 06°-00'-35" East 28.00 feet to the point or place of beginning.

Print Circuit Labs (Area 1)

Commencing at the northerly end of an arc having a radius of 54.00 feet and an arc length of 57.87 feet connecting the southerly side of Marcus Avenue with the easterly side of Lakeville Road and running thence through lands of Lockheed Martin South 18°-30'-36" East 1374.12 feet to the point of beginning;

Running thence from said point of beginning South 83°-59'-25" East 105.90 feet;
thence North 83°-59'-25" West 26.30 feet;
thence South 06°-00'-35" West 16.40 feet;
thence North 83°-59'-25" West 79.60 feet;
thence North 06°-00'-35" East 33.40 feet to the point or place of beginning.

Basement Sump (Area 31)

Commencing at the northerly end of an arc having a radius of 54.00 feet and an arc length of 57.87 feet connecting the southerly side of Marcus Avenue with the easterly side of Lakeville Road and running thence through lands of Lockheed Martin South 31^0-41'-13" East 1819.26 feet to the point of beginning;

Running thence from said point of beginning South 83°-59'-25" East 5.00 feet;
thence South 06°-00'-35" West 5.00 feet;
thence North 83°-59'-25" West 5.00 feet;
thence North 06°-00'-35" East 5.00 feet to the point or place of beginning.

5. The following area of the Property is referred to herein as the Exterior Area:

Foundry Building Underground Storage Tanks (Area 21)

Commencing at the northerly end of an arc having a radius of 54.00 feet and an arc length of 57.87 feet connecting the southerly side of Marcus Avenue with the easterly side of Lakeville Road and running thence through lands of Lockheed Martin South 30°-41'-21" East 1801.59 feet to the point of beginning;

Running thence from said point of beginning. South 83°-58'-09" East 38.57 feet;
thence South 06°-01'51" West 19.60 feet;
thence North 83°-58'-09" West 38.57 feet;
thence North 06^0-01'-51" East 19.60 feet to the point or place of beginning.

6. Except where the context requires otherwise, Owner and any pronouns used in place thereof, shall mean and include, respectively, Owner, its successors and assigns.

7. This Declaration shall be deemed a covenant running with the land and an encumbrance on the fee simple title to the Property shall be binding on the Owner, its agents, officers, successors and assigns.

8. Owner shall record this Declaration with the deed records at the Nassau County Clerk's Office.

9. This Declaration shall be modified by the then current fee simple title holder of the Property to conform to any amendments or other changes issued or required by NYSDEC or other remedial measures hereafter approved by NYSDEC.

10. In the event that any provision or restriction of this Declaration or application thereof to any circumstance or person is held to be invalid, the remainder of the provisions and restrictions of this Declaration and the application of such provision or restriction the circumstances or persons other than those as to which it is found to be invalid shall be interpreted to conform with the manner in which this Declaration was originally intended to operate.

WHEREFORE, the undersigned has executed this Declaration as follows.

Dated as of the 30 day of August, 2004

i.PARK LAKE SUCCESS LLC, a Delaware limited liability company

By: i.Park Holdings LLC, a Delaware limited liability company, its managing member

By: I.Park Investments, Inc., a Delaware corporation, its managing member

By: L. M. Ward
Name: Lynne M. Ward
Title: Vice President

CT
STATE OF ~~NEW YORK~~)
Fairfield) ss.: Greenwich
COUNTY OF ~~NASSAU~~)

On the 30 day of August in the year 2004 before me, the undersigned, personally appeared Lynne M. Ward, personally know to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument

Rosemarie Hughes
Notary Public

ROSEMARIE HUGHES
Notary Public
State of Connecticut
My Commission Expires July 31, 2005

OUT-OF STATE ACKNOWLEDGEMENT

STATE OF CT)
) SS: Greenwich
COUNTY OF Fairfield)

On the 30 day of August in the year 2004 before me, the undersigned, personally appeared Lynne M. Ward, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument, and that such individual made such appearance before the undersigned in the City of Greenwich, State of Connecticut.

Rosemarie Hughes
Notary Public

ROSEMARIE HUGHES
Notary Public
State of Connecticut
My Commission Expires July 31, 2005

ATTACHMENT 1

[Legal Description of the Property to be Attached]

ATTACHMENT 2

[Sear Brown Drawing (Project No. 1880602)
Titled Activities and Use Limitation Areas,
dated _____ to be attached]

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