VOLUME II

HAZARDOUS WASTE CLOSURE REPORT

HAZARDOUS WASTE REMOVAL, DECONTAMINATION AND INTEGRITY ASSESSMENT OF THE REGULATED UNITS

FORMER ENVIRITE CORPORATION HAZARDOUS WASTE FACILITY
198 OLD WATERBURY ROAD
THOMASTON, CONNECTICUT

Prepared for:
ENVIRITE CORPORATION
Formerly Pure-Etch of Connecticut, Inc.
U.S. EPA IDENTIFICATION NO. CTD093616613
CT DEP / HWM-140-024
Thomaston, CT

URS Project No.: 36935792.10010

June 2007

URS Corporation - AES
500 Enterprise Drive, Suite 3B
Rocky Hill, Connecticut 06067

RDMS DOC ID105917

APPENDIX H

LABORATORY REPORTS

URS

URS Corporation
5 Industrial Way
Salem, NH 03079
Tel: 603.893.0616
Fax: 603.893.6240

Gary Alicandro
URS - Rocky Hill
500 Enterprise Drive
Suite 3B
Rocky Hill, CT 06067

URS Project #	: 03956
Laboratory Batch #	: 14773
Date Samples Received	: 1/8/2002
Date Samples Analyzed	: 1/8/2002
Date of Final Report	: 1/10/2002

SAMPLE IDENTIFICATION:

Six bulk samples from the URS ; Rocky Hill project; submitted by Gary Alicandro.

These bulk samples were delivered to URS Corporation, Salem, New Hampshire for asbestos content determination.

ANALYTICAL METHOD:

Analytical procedures were performed in accordance with the U.S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS)(EPA-600/M4-82-020, EPA-600/ R-93-116) and the New York Department of Health Environmental Laboratory Approval Program (NYDOH-ELAP 198.1) with the exception of resinously bound materials (please refer to the comments at the end of this report). This report relates only to those samples actually analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites.

Quantification of asbestos content was determined by Calibrated Visual Estimation.

The EPA requires that friable samples with analytical results of 10% or less asbestos, by visual estimation, be treated as asbestos-containingmaterial unless these quantities are verified using the point counting method. The point counting method is a systematic technique for estimating concentration, also using PLM. The point counting method, however, does not increase the analyst's ability to detect fibers. If you would like any of your friable samples with an asbestos content of less than 10% to be point counted, please contact our office. Point counting is not required for those samples in which no asbestos is detected during analysis by PLM.

New York State regulations require that a matrix reduction be performed on all NOB (Non-OrganicallyBound) samples (i.e.: floor tile, adhesives, roofing materials, etc.). The URS Asbestos Laboratory complies with this directive by applying solvent and low level heat to all resinously bound materials (regardless of state or country origin) to release bound asbestos fibers from the resinous matrix without altering their optical properties. However, this procedure is not covered by the EPA methodologies (EPA-600/ M4-82-020 & EPA-600/ R-93-116) and is therefore a departure from documented protocols.

In any given material, fibers with a small diameter (<0.25μm) may not be detected by the PLM method. Floor tile and other resinously bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required. URS recommends using Transmission Electron Microscopy (TEM) for a more definitive analysis.

New York state regulations require that all friable samples in which asbestos is detected be point counted (using the NYDOH-ELAP stratified point counting method). New York state regulations also require TEM confirmation of NOB (Non Organically Bound) samples found to have No Asbestos Detected by PLM. These regulations apply only to samples taken within the State of New York.

URS will retain all samples for a minimum of three months. Further analysis or return of samples must be requested within this three month period to guarantee their availability.

This report may not be reproduced except in full, without the written approval of the URS, Salem Asbestos Laboratory.

Use of the NVLAP and AIHA Logo in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology or the American Industrial Hygiene Association.

If you have any questions regarding this report, please do not hesitate to contact us.

Douglas R. Lawson, Ph.D, CIH
Laboratory Director

Jeffrey D. Waite
Laboratory Supervisor

NVLAP Lab ID#: 101433-0
NYDOH-ELAP #: 11020

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URS

Laboratory Bulk Asbestos Analysis Results

Client/ Project Title : URS ; Rocky Hill
Project Number : 03956
Laboratory Batch : 14773

Date Received : 1/8/2002
Date Reported : 1/10/2002
Analyst : JDW

			Asbestos Type(s) Detected				Non-Asbestos Materials				
Lab ID #	Client ID #/ Description	Color	% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fiber Glass/ Mineral Wool	% Other Fibrous Material (OFM)	% Non-Fibrous Material	**Comments** Analysis Methods Per EPA-600/M4-82-020, EPA-600/R-93-116, & NYDOH-ELAP 198.1 NAD - No Asbestos Detected
001	103-AMC, Ceiling Tile	Gray/Wht					42	28		30	No Asbestos Detected
002	104-AMC, Ceiling Tile	Gray/Wht					35	35		30	No Asbestos Detected
003	105-AMC, Ceiling Tile	Gray/Wht					32	38		30	No Asbestos Detected
004	106-AMC, Ceiling Tile	Gray/Wht					40	30		30	No Asbestos Detected
005	107-AMC, Ceiling Tile	Gray/Wht					35	35		30	No Asbestos Detected
006	108-AMC, Ceiling Tile	Gray/Wht					38	32		30	No Asbestos Detected

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URS CORPORATION
Bulk Sample Chain Of Custody

Laboratory Batch#

URS CORPORATION	Project Number: FI-00002202.00 T:10001
5 Industrial Way	Client: URS
Salem, NH 03079	Location: Rocky Hill
Tel # 603 893-0616	Project Manager: Gary Alicandro
Fax# 603 893-6240	Turnaround Time (circle): 24 Hour 48 Hour (Standard)

See Back Of Page

Positive Stop

Samples Taken By: Christine Matherly

Date Samples Taken: 1/7/02

Lab #	Sample #	Sample Location/ Description
	PE103-ACM	Ladies Bathroom / Ceiling Tile (off-white w/ holes)
	PE104-ACM	Analytical lab/ Ceiling Tile (off-white w/ holes)
	PE105-ACM	Analytical Lab/ Ceiling Tile (off-white w/ holes)
	PE106-ACM	Foyer / Ceiling Tile (off-white w/ holes)
	PE107-ACM	Front Office South / Ceiling Tile (off-white w/ holes)
	PE108-ACM	Front Office North / Ceiling Tile (off-white w/ holes)

Relinquished By:	Date:	Received By:	Date:
Christine Matherly	1/7/02		
Company URS	Time: 1625	Company:	Time:

Relinquished By:	Date:	Received By:	Date:
Company	Time:	Company:	Time:

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For Reporting Purposes, Please Fill In The Following Information

Client Contact:	URS- Rocky Hill
Contact's Title (If Applicable):	Gary Alicandro
Client Name:	
Client Address:	500 Enterprise Drive
	Suite 3B
City:	Rocky Hill State: CT Zip Code: 06067
Notes/ Comments:	please send report to Gary. 860-529-8882 x321

Sampling & Survey Notes/ Special Instructions For The Analysts

Call Laboratory 24 hours in advance for 24 or 48 hour turnaround time

Standard turnaround time for PLM bulk sample analysis is 3-5 days

All Samples will be analyzed unless a positive stop is requested

Separate samples in clearly identified plastic bags

Each layer of multi-layered samples will be analyzed unless otherwise indicated

New York state regulations require that all friable samples in which asbestos is detected be point counted

New York state regulations also require TEM confirmation of NOB samples found to have no asbestos detected

Samples will be retained by URS for three months

URS CORPORATION
Bulk Sample Chain Of Custody

Laboratory Batch# 14773

URS CORPORATION 5 Industrial Way Salem, NH 03079 Tel # 603 893-0616 Fax# 603 893-6240	Project Number: F1-00002202.00 T:10001 Client: URS Location: Rocky Hill Project Manager: Gary Alicandro Turnaround Time (circle): 24 Hour 48 Hour (Standard)

See Back Of Page

Positive Stop

Samples Taken By: Christine Matherly

Date Samples Taken: 1/7/02

Lab #	Sample #	Sample Location/ Description
	PE103-ACM	Ladies Bathroom / Ceiling Tile (off-white w/ holes)
	PE104-ACM	Analytical lab/ Ceiling Tile (off-white w/ holes)
	PE105-ACM	Analytical Lab/ Ceiling Tile (off-white w/ holes)
	PE106-ACM	Foyer / Ceiling Tile (off-white w/ holes)
	PE107-ACM	Front Office South / Ceiling Tile (off-white w/ holes)
	PE108-ACM	Front Office North / Ceiling Tile (off-white w/ holes)

Relinquished By:	Date:	Received By:	Date:
Christine Matherly Company URS	1/7/02 Time: 1625	[signature] Company: URS	1/8/02 Time:

Relinquished By:	Date:	Received By:	Date:
Company	Time:	Company:	Time:

Page _____ of _____

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65 NY:11148

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive
Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: F102202.10001

Site: PURE-ETCH

Laboratory Job Number: L0200168

Invoice Number: 58830

Date Received: 07-JAN-02

Date Reported: 14-JAN-02

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0200168-01	PE101-ETRENCH	THOMASTON, CT
L0200168-02	PE102-WTRENCH	THOMASTON, CT
L0200168-03	TRIP BLANK	THOMASTON, CT

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean

Scott McLean - Laboratory Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0200168-01
PE101-ETRENCH
Sample Matrix: WATER

Date Collected: 07-JAN-2002 11:20
Date Received : 07-JAN-2002
Date Reported : 14-JAN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Plastic,4-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
pH	5.7	SU	-	4	150.1		0107 19:24	JG
Total Organic Carbon	3.0	mg/l	0.50	4	415.1		0108 14:10	AB
Total Metals				19	200.7			
Arsenic, Total	ND	mg/l	0.005	19	200.7	0108 10:30	0110 19:50	RW
Barium, Total	0.01	mg/l	0.01	19	200.7	0108 10:30	0110 19:50	RW
Cadmium, Total	ND	mg/l	0.005	19	200.7	0108 10:30	0110 19:50	RW
Chromium, Total	ND	mg/l	0.01	19	200.7	0108 10:30	0110 19:50	RW
Copper, Total	0.08	mg/l	0.01	19	200.7	0108 10:30	0110 19:50	RW
Iron, Total	0.75	mg/l	0.05	19	200.7	0108 10:30	0110 19:50	RW
Lead, Total	ND	mg/l	0.050	19	200.7	0108 10:30	0110 19:50	RW
Mercury, Total	ND	mg/l	0.0005	4	245.2	0109 15:30	0110 10:41	DM
Nickel, Total	ND	mg/l	0.025	19	200.7	0108 10:30	0110 19:50	RW
Selenium, Total	ND	mg/l	0.005	19	200.7	0108 10:30	0110 19:50	RW
Silver, Total	ND	mg/l	0.010	19	200.7	0108 10:30	0110 19:50	RW
Zinc, Total	0.64	mg/l	0.05	19	200.7	0108 10:30	0110 19:50	RW
Volatile Organics by GC/MS 8260				1	8260B		0111 17:48	BT
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0200168-01
PE101-ETRENCH

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0111 17:48	BT
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0200168-01
PE101-ETRENCH

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0111 17:48	BT
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	112.	%						
Toluene-d8	96.0	%						
4-Bromofluorobenzene	106.	%						
Dibromofluoromethane	105.	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0200168-02
PE102-WTRENCH
Sample Matrix: WATER

Date Collected: 07-JAN-2002 11:00
Date Received : 07-JAN-2002
Date Reported : 14-JAN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Plastic,4-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
pH	4.3	SU	-	4	150.1		0107 19:24	JG
Total Organic Carbon	14.	mg/l	4.0	4	415.1		0108 14:10	AB
Total Metals				19	200.7			
Arsenic, Total	ND	mg/l	0.005	19	200.7	0108 10:30	0110 20:01	RW
Barium, Total	0.09	mg/l	0.01	19	200.7	0108 10:30	0110 20:01	RW
Cadmium, Total	0.025	mg/l	0.005	19	200.7	0108 10:30	0110 20:01	RW
Chromium, Total	0.01	mg/l	0.01	19	200.7	0108 10:30	0110 20:01	RW
Copper, Total	0.44	mg/l	0.01	19	200.7	0108 10:30	0110 20:01	RW
Iron, Total	0.91	mg/l	0.05	19	200.7	0108 10:30	0110 20:01	RW
Lead, Total	1.02	mg/l	0.050	19	200.7	0108 10:30	0110 20:01	RW
Mercury, Total	ND	mg/l	0.0005	4	245.2	0109 15:30	0110 10:47	DM
Nickel, Total	0.106	mg/l	0.025	19	200.7	0108 10:30	0110 20:01	RW
Selenium, Total	ND	mg/l	0.005	19	200.7	0108 10:30	0110 20:01	RW
Silver, Total	ND	mg/l	0.010	19	200.7	0108 10:30	0110 20:01	RW
Zinc, Total	3.6	mg/l	0.05	19	200.7	0108 10:30	0110 20:01	RW
Volatile Organics by GC/MS 8260				1	8260B		0111 18:29	BT
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0200168-02
PE102-WTRENCH

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0111 18:29	BT
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0200168-02
PE102-WTRENCH

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0111 18:29	BT
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	115.	%						
Toluene-d8	96.0	%						
4-Bromofluorobenzene	108.	%						
Dibromofluoromethane	108.	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0200168-03
TRIP BLANK
Sample Matrix: WATER

Date Collected: 04-JAN-2002 09:05
Date Received : 07-JAN-2002
Date Reported : 14-JAN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260				1	8260B		0110 17:39	RY
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0200168-03
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0110 17:39	RY
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	99.0	%						
Toluene-d8	99.0	%						
4-Bromofluorobenzene	100.	%						
Dibromofluoromethane	103.	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0200168

Parameter	Value 1	Value 2	RPD	Units
pH for sample(s) 01-02 (L0200171-02, WG102013)				
pH	9.4	9.4	0	SU
Total Organic Carbon for sample(s) 01-02 (L0200168-01, WG102069)				
Total Organic Carbon	3.0	2.9	3	mg/l
Total Metals for sample(s) 01-02 (L0200168-01, WG102092)				
Arsenic, Total	ND	ND	NC	mg/l
Barium, Total	0.01	0.01	0	mg/l
Cadmium, Total	ND	ND	NC	mg/l
Chromium, Total	ND	ND	NC	mg/l
Copper, Total	0.08	0.08	1	mg/l
Iron, Total	0.75	0.69	8	mg/l
Lead, Total	ND	ND	NC	mg/l
Nickel, Total	ND	ND	NC	mg/l
Selenium, Total	ND	ND	NC	mg/l
Silver, Total	ND	ND	NC	mg/l
Zinc, Total	0.64	0.66	3	mg/l
Total Metals for sample(s) 01-02 (L0112248-02, WG102145)				
Mercury, Total	ND	ND	NC	mg/l

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0200168

Parameter	% Recovery
pH LCS for sample(s) 01-02 (WG102013)	
pH	101
Total Organic Carbon LCS for sample(s) 01-02 (WG102069)	
Total Organic Carbon	96
Total Metals LCS for sample(s) 01-02 (WG102092)	
Arsenic, Total	100
Barium, Total	105
Cadmium, Total	108
Chromium, Total	105
Copper, Total	104
Iron, Total	100
Lead, Total	104
Nickel, Total	101
Selenium, Total	98
Silver, Total	78
Zinc, Total	104
Total Metals LCS for sample(s) 01-02 (WG102145)	
Mercury, Total	101
Volatile Organics by GC/MS 8260 LCS for sample(s) 01-02 (WG102325)	
Chlorobenzene	106
Benzene	110
Toluene	105
1,1-Dichloroethene	111
Trichloroethene	105
Surrogate Recovery	
1,2-Dichloroethane-d4	111
Toluene-d8	101
4-Bromofluorobenzene	97
Dibromofluoromethane	106
Volatile Organics by GC/MS 8260 LCS for sample(s) 03 (WG102322)	
Chlorobenzene	91
Benzene	101
Toluene	95
1,1-Dichloroethene	102
Trichloroethene	97
Surrogate Recovery	
1,2-Dichloroethane-d4	99
Toluene-d8	97
4-Bromofluorobenzene	94
Dibromofluoromethane	102

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0200168

Continued

Parameter	% Recovery
Total Organic Carbon SPIKE for sample(s) 01-02 (L0200153-02, WG102069)	
Total Organic Carbon	94
Total Metals SPIKE for sample(s) 01-02 (L0200168-02, WG102092)	
Arsenic, Total	102
Barium, Total	105
Cadmium, Total	107
Chromium, Total	102
Copper, Total	108
Iron, Total	99
Lead, Total	106
Nickel, Total	100
Selenium, Total	99
Silver, Total	76
Zinc, Total	100
Total Metals SPIKE for sample(s) 01-02 (L0112271-01, WG102145)	
Mercury, Total	117

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0200168

Parameter	MS %	MSD %	RPD
Volatile Organics by GC/MS 8260 for sample(s) 03 (L0200137-03, WG102322)			
Chlorobenzene	92	82	11
Benzene	102	91	11
Toluene	96	84	13
1,1-Dichloroethene	100	87	14
Trichloroethene	106	97	9
Volatile Organics by GC/MS 8260 for sample(s) 01-02 (L0200209-01, WG102325)			
Chlorobenzene	100	98	2
Benzene	82	82	0
Toluene	98	97	1
1,1-Dichloroethene	75	92	20
Trichloroethene	79	81	2

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0200168

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-02								
Total Organic Carbon	ND	mg/l	0.50	4	415.1		0108 14:10	AB
Blank Analysis for sample(s) 01-02								
Total Metals				19	200.7			
Arsenic, Total	ND	mg/l	0.005	19	200.7	0108 10:30	0110 19:39	RW
Barium, Total	ND	mg/l	0.01	19	200.7	0108 10:30	0110 19:39	RW
Cadmium, Total	ND	mg/l	0.005	19	200.7	0108 10:30	0110 19:39	RW
Chromium, Total	ND	mg/l	0.01	19	200.7	0108 10:30	0110 19:39	RW
Copper, Total	ND	mg/l	0.01	19	200.7	0108 10:30	0110 19:39	RW
Iron, Total	ND	mg/l	0.05	19	200.7	0108 10:30	0110 19:39	RW
Lead, Total	ND	mg/l	0.050	19	200.7	0108 10:30	0110 19:39	RW
Nickel, Total	ND	mg/l	0.025	19	200.7	0108 10:30	0110 19:39	RW
Selenium, Total	ND	mg/l	0.005	19	200.7	0108 10:30	0110 19:39	RW
Silver, Total	ND	mg/l	0.010	19	200.7	0108 10:30	0110 19:39	RW
Zinc, Total	ND	mg/l	0.05	19	200.7	0108 10:30	0110 19:39	RW
Blank Analysis for sample(s) 01-02								
Total Metals								
Mercury, Total	ND	mg/l	0.0005	4	245.2	0109 15:30	0110 10:16	DM
Blank Analysis for sample(s) 03								
Volatile Organics by GC/MS 8260				1	8260B		0110 16:56	RY
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0200168

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 03								
Volatile Organics by GC/MS 8260 continued				1	8260B		0110 16:56	RY
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0200168

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 03								
Volatile Organics by GC/MS 8260 continued				1	8260B		0110 16:56	RY
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	100.	%						
Toluene-d8	96.0	%						
4-Bromofluorobenzene	97.0	%						
Dibromofluoromethane	104.	%						
Blank Analysis for sample(s) 01-02								
Volatile Organics by GC/MS 8260				1	8260B		0111 16:25	BT
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0200168

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-02								
Volatile Organics by GC/MS 8260 continued				1	8260B		0111 16:25	BT
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	114.	%						
Toluene-d8	95.0	%						
4-Bromofluorobenzene	103.	%						

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0200168

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-02								
Volatile Organics by GC/MS 8260 continued				1	8260B		0111 16:25	BT
Dibromofluoromethane	108.	%						

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

4. Methods for Chemical Analysis of Water and Wastes. EPA 600/4-82-055. 1982.

19. Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, Code of Federal Regulations. July 1, 1999 edition.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.

METHOD Method number by which analysis was performed.

ID Initials of the analyst.

LIMITATION OF LIABILITIES

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We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 22, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	LIQUI	Collected by:	TV	08/28/02	13:00
Location Code:	CLEANHAR	Received by:	KJB	08/28/02	20:13
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE32794

Client ID: PURE ETCH CT425973-1

Phoenix I.D.: AE32795

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	0.18	0.01	mg/L	09/03/02		EK	E1311/SW6010
TCLP Arsenic	0.78	0.01	mg/L	09/03/02		EK	E1311/SW6010
TCLP Barium	0.04	0.01	mg/L	09/03/02		EK	E1311/SW6010
TCLP Cadmium	0.045	0.005	mg/L	09/03/02		EK	E1311/SW6010
TCLP Chromium	1.67	0.01	mg/L	09/03/02		EK	E1311/SW6010
TCLP Lead	0.159	0.015	mg/L	09/03/02		EK	E1311/SW6010
TCLP Selenium	0.06	0.05	mg/L	09/03/02		EK	E1311/SW6010
TCLP Mercury	BDL	0.001	mg/L	09/04/02		DL	E1311/E245.1
Chloride	140000	5000	mg/L	09/07/02		GAD	300.0/9056
Flash Point	>200	200	degree F	08/30/02		CF	SW846 - 1010
Ignitability	Passed	140	deg F	08/30/02		CF	SW846 - 1010
Ammonia as Nitrogen	44000	0.02	mg/L	09/03/02		AM	S4500NH3
pH	7.18	0.10	pH Units	08/28/02	22:00	CD	E150.1/SW9045
Reactivity Cyanide	BDL	0.01	mg/L	09/03/02		PJ	SW 846-7.3
Reactivity Sulfide	BDL	0.4	mg/L	09/03/02		PJ	SW846-7.3
Reactivity	Negative			09/03/02		PJ	SW 846-7.3
TCLP Digestion Mercury	Completed			09/03/02		DD	E1311/7470
TCLP Extraction Metals	Completed			09/03/02		DD	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 22, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	TV	08/28/02	13:05
Location Code:	CLEANHAR	Received by:	KJB	08/28/02	20:13
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE32794

Client ID: PURE ETCH CT425973-2

Phoenix I.D.: AE32796

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	BDL	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	0.05	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	0.11	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	0.006	0.005	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	0.25	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	BDL	0.015	mg/L	09/04/02		EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	09/04/02		EK	E1311/SW6010
TCLP Mercury	BDL	0.001	mg/L	09/05/02		R/D	E1311/E245.1
Corrosivity	Negative	NONE	None	08/28/02		CD	S423/E150.1
Ammonia as Nitrogen	14000	1.0	mg/Kg	09/06/02		AM	E350.1/350.2
pH	7.11	0.10	pH Units	08/28/02	22:00	CD	E150.1/SW9045
Reactivity Cyanide	BDL	1.0	mg/Kg	09/03/02		PJ	SW 846-7.3
Reactivity Sulfide	BDL	20	mg/Kg	09/03/02		PJ	SW846-7.3
Reactivity	Negative			09/03/02		PJ	SW 846-7.3
TCLP Digestion Mercury	Completed			09/05/02		TR	E1311/7470
TCLP Extraction Metals	Completed			09/04/02		T/H	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

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Phyllis Shiller, Laboratory Director
November 22, 2002

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 22, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	TV	08/28/02	13:10
Location Code:	CLEANHAR	Received by:	KJB	08/28/02	20:13
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE32794

Client ID: PURE ETCH CT425973-3

Phoenix I.D.: AE32797

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	BDL	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	BDL	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	0.66	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	0.021	0.005	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	0.02	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	0.071	0.015	mg/L	09/04/02		EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	09/04/02		EK	E1311/SW6010
TCLP Mercury	BDL	0.001	mg/L	09/05/02		R/D	E1311/E245.1
Chloride	680000	10000	mg/kg	09/07/02		GAD	9056
Corrosivity	Negative	NONE	None	08/28/02		CD	S423/E150.1
Flash Point	>200	200	degree F	08/30/02		CF	SW846 - 1010
Ignitability	Passed	140	deg F	08/30/02		CF	SW846 - 1010
Ammonia as Nitrogen	250000	10	mg/Kg	09/06/02		AM	E350.1/350.2
pH	6.35	0.10	pH Units	08/28/02	22:00	CD	E150.1/SW9045
Reactivity Cyanide	BDL	1.0	mg/Kg	09/03/02		PJ	SW 846-7.3
Reactivity Sulfide	BDL	20	mg/Kg	09/03/02		PJ	SW846-7.3
Reactivity	Negative			09/03/02		PJ	SW 846-7.3
TCLP Digestion Mercury	Completed			09/05/02		TR	E1311/7470
TCLP Extraction Metals	Completed			09/04/02		T/H	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 22, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	TV	08/28/02	13:15
Location Code:	CLEANHAR	Received by:	KJB	08/28/02	20:13
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE32794

Client ID: PURE ETCH CT425973-4

Phoenix I.D.: AE32798

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	BDL	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	0.51	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	0.02	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	BDL	0.005	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	0.02	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	BDL	0.015	mg/L	09/04/02		EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	09/04/02		EK	E1311/SW6010
TCLP Mercury	BDL	0.001	mg/L	09/05/02		R/D	E1311/E245.1
Chloride	8600	100	mg/kg	09/07/02		GAD	9056
Corrosivity	Negative	NONE	None	08/28/02		CD	S423/E150.1
Flash Point	>200	200	degree F	08/30/02		CF	SW846 - 1010
Ignitability	Passed	140	deg F	08/30/02		CF	SW846 - 1010
Ammonia as Nitrogen	4200	1.0	mg/Kg	09/06/02		AM	E350.1/350.2
pH	7.49	0.10	pH Units	08/28/02	22:00	CD	E150.1/SW9045
Reactivity Cyanide	BDL	1.0	mg/Kg	09/03/02		PJ	SW 846-7.3
Reactivity Sulfide	BDL	20	mg/Kg	09/03/02		PJ	SW846-7.3
Reactivity	Negative			09/03/02		PJ	SW 846-7.3
TCLP Digestion Mercury	Completed			09/05/02		TR	E1311/7470
TCLP Extraction Metals	Completed			09/04/02		T/H	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 22, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	TV	08/28/02	13:20
Location Code:	CLEANHAR	Received by:	KJB	08/28/02	20:13
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE32794

Client ID: PURE ETCH CT425973-5

Phoenix I.D.: AE32799

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	BDL	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	0.01	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	0.54	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	BDL	0.005	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	0.38	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	BDL	0.015	mg/L	09/04/02		EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	09/04/02		EK	E1311/SW6010
TCLP Mercury	BDL	0.001	mg/L	09/05/02		R/D	E1311/E245.1
Chloride	3100	100	mg/kg	09/07/02		GAD	9056
Corrosivity	Negative	NONE	None	08/28/02		CD	S423/E150.1
Flash Point	>200	200	degree F	08/30/02		CF	SW846 - 1010
Ignitability	Passed	140	deg F	08/30/02		CF	SW846 - 1010
Ammonia as Nitrogen	1800	1.0	mg/Kg	09/06/02		AM	E350.1/350.2
pH	8.13	0.10	pH Units	08/28/02	22:00	CD	E150.1/SW9045
Reactivity Cyanide	BDL	1.0	mg/Kg	09/03/02		PJ	SW 846-7.3
Reactivity Sulfide	BDL	20	mg/Kg	09/03/02		PJ	SW846-7.3
Reactivity	Negative			09/03/02		PJ	SW 846-7.3
TCLP Digestion Mercury	Completed			09/05/02		TR	E1311/7470
TCLP Extraction Metals	Completed			09/04/02		TH	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 22, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	TV	08/28/02	13:30
Location Code:	CLEANHAR	Received by:	KJB	08/28/02	20:13
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE32794

Client ID: PURE ETCH CT425973-6

Phoenix I.D.: AE32800

Parameter	Result	RL	Units	Date	Time	By	Reference
Corrosivity	Negative	NONE	None	08/28/02		CD	S423/E150.1
pH	8.28	0.10	pH Units	08/28/02	22:00	CD	E150.1/SW9045
Reactivity Cyanide	BDL	1.0	mg/Kg	09/03/02		PJ	SW 846-7.3
Reactivity Sulfide	BDL	20	mg/Kg	09/03/02		PJ	SW846-7.3
Reactivity	Negative			09/03/02		PJ	SW 846-7.3

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

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Phyllis Shiller, Laboratory Director
November 22, 2002

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 07, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	TV	08/29/02	9:00
Location Code:	CLEANHAR	Received by:	KJB	08/30/02	8:08
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE33148

Client ID: PURE ETCH CT 425973-1

Phoenix I.D.: AE33148

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	0.13	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	BDL	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	0.64	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	0.266	0.005	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	1.02	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	25.9	0.15	mg/L	09/06/02		EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	09/04/02		EK	E1311/SW6010
TCLP Mercury	BDL	0.001	mg/L	09/05/02		R/D	E1311/E245.1
Chloride	39000	500	mg/kg	09/07/02		GAD	9056
Corrosivity	Negative	NONE	None	08/30/02		CD	S423/E150.1
pH	4.51	0.10	pH Units	08/30/02	22:00	CD	E150.1/SW9045
TCLP Digestion Mercury	Completed			09/05/02		TR	E1311/7470
TCLP Extraction Metals	Completed			09/04/02		T/H	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
November 07, 2002

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 07, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	TV	08/29/02	9:10
Location Code:	CLEANHAR	Received by:	KJB	08/30/02	8:08
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE33148

Client ID: PURE ETCH CT 425973-2

Phoenix I.D.: AE33149

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	0.24	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	BDL	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	0.36	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	BDL	0.005	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	0.10	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	BDL	0.015	mg/L	09/04/02		EK	E1311/SW6010
TCLP Selenium	0.06	0.05	mg/L	09/04/02		EK	E1311/SW6010
TCLP Mercury	0.002	0.001	mg/L	09/05/02		R/D	E1311/E245.1
Chloride	800	10.0	mg/kg	09/07/02		GAD	9056
Corrosivity	Negative	NONE	None	08/30/02		CD	S423/E150.1
Ammonia as Nitrogen	31	1.0	mg/Kg	09/07/02		JR	E350.1/350.2
pH	9.50	0.10	pH Units	08/30/02	22:00	CD	E150.1/SW9045
TCLP Digestion Mercury	Completed			09/05/02		TR	E1311/7470
TCLP Extraction Metals	Completed			09/04/02		T/H	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

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Phyllis Shiller, Laboratory Director
November 07, 2002

Environmental Laboratories, Inc.
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Analysis Report

November 07, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	LIQUI	Collected by:	TV	08/29/02	9:20
Location Code:	CLEANHAR	Received by:	KJB	08/30/02	8:08
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE33148

Client ID: PURE ETCH CT 425973-3

Phoenix I.D.: AE33150

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	BDL	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	BDL	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	2.50	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	BDL	0.05	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	0.30	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	0.29	0.15	mg/L	09/04/02		EK	E1311/SW6010
TCLP Selenium	BDL	0.50	mg/L	09/04/02		EK	E1311/SW6010
TCLP Mercury	BDL	0.001	mg/L	09/04/02		RS	E1311/E245.1
Chloride	320000	15000	mg/L	09/10/02		GAD	300.0/9056
Corrosivity	Positive	NONE	None	08/30/02		CD	S423/E150.1
Flash Point	*	200	degree F	09/06/02		CF	SW846 - 1010
Ignitability	*	140	deg F	09/06/02		CF	SW846 - 1010
Ammonia as Nitrogen	0.18	0.1	mg/L	09/10/02		AM	S4500NH3
Reactivity Cyanide	BDL	0.01	mg/L	09/04/02		PJ	SW 846-7.3
Reactivity Sulfide	BDL	0.4	mg/L	09/04/02		PJ	SW846-7.3
Reactivity	Negative			09/04/02		PJ	SW 846-7.3
TCLP Digestion Mercury	Completed			09/04/02		TR	E1311/7470
TCLP Extraction Metals	Completed			09/04/02		TH	EPA 1311

Comments: **ND=Not detected BDL = Below Detection Limit RL=Reporting Limit**

* Flashpoint = Due to the acidic nature of the sample, an ignitability test was performed in lieu of the standard flashpoint test. An aliquot of the sample was put in a non-metallic crucible and a flame was applied. The result was that the sample did not catch fire.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
November 07, 2002

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 07, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	TV	08/29/02	9:30
Location Code:	CLEANHAR	Received by:	KJB	08/30/02	8:08
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE33148

Client ID: PURE ETCH CT 425973-4

Phoenix I.D.: AE33151

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloride	37000	500	mg/kg	09/07/02		GAD	9056
Corrosivity	Negative	NONE	None	08/30/02		CD	S423/E150.1
Ammonia as Nitrogen	1800	0.20	mg/Kg	09/07/02		JR	E350.1/350.2
pH	6.08	0.10	pH Units	08/30/02	22:00	CD	E150.1/SW9045

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

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Phyllis Shiller, Laboratory Director
November 07, 2002

Environmental Laboratories, Inc.
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Analysis Report

November 07, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	LIQUI	Collected by:	TV	08/29/02	9:40
Location Code:	CLEANHAR	Received by:	KJB	08/30/02	8:08
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE33148

Client ID: PURE ETCH CT 425973-5

Phoenix I.D.: AE33152

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	BDL	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	BDL	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	1.30	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	BDL	0.05	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	BDL	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	BDL	0.15	mg/L	09/04/02		EK	E1311/SW6010
TCLP Selenium	BDL	0.50	mg/L	09/04/02		EK	E1311/SW6010
TCLP Mercury	BDL	0.001	mg/L	09/04/02		RS	E1311/E245.1
Corrosivity	Negative	NONE	None	08/30/02		CD	S423/E150.1
Ammonia as Nitrogen	22	0.2	mg/L	09/07/02		JR	S4500NH3
TCLP Digestion Mercury	Completed			09/04/02		TR	E1311/7470
TCLP Extraction Metals	Completed			09/04/02		TH	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

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Phyllis Shiller, Laboratory Director
November 07, 2002

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 07, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	LIQUI	Collected by:	TV	08/29/02	9:50
Location Code:	CLEANHAR	Received by:	KJB	08/30/02	8:08
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE33148
Client ID: PURE ETCH CT 425973-6
Phoenix I.D.: AE33153

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	BDL	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	BDL	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	0.35	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	BDL	0.05	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	BDL	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	0.25	0.15	mg/L	09/04/02		EK	E1311/SW6010
TCLP Selenium	BDL	0.50	mg/L	09/04/02		EK	E1311/SW6010
TCLP Mercury	BDL	0.001	mg/L	09/04/02		RS	E1311/E245.1
Corrosivity	Negative	NONE	None	08/30/02		CD	S423/E150.1
Flash Point	>200	200	degree F	09/04/02		CF	SW846 - 1010
Ignitability	Passed	140	deg F	09/04/02		CF	SW846 - 1010
Ammonia as Nitrogen	25	0.2	mg/L	09/07/02		JR	S4500NH3
TCLP Digestion Mercury	Completed			09/04/02		TR	E1311/7470
TCLP Extraction Metals	Completed			09/04/02		TH	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
November 07, 2002

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 07, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	TV	08/29/02	13:30
Location Code:	CLEANHAR	Received by:	KJB	08/30/02	8:08
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE33148

Client ID: PURE ETCH CT 425973-7

Phoenix I.D.: AE33154

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	BDL	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	BDL	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	0.78	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	0.011	0.005	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	0.11	0.01	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	0.248	0.015	mg/L	09/04/02		EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	09/04/02		EK	E1311/SW6010
Chloride	41000	500	mg/kg	09/07/02		GAD	9056
Corrosivity	Negative	NONE	None	08/30/02		CD	S423/E150.1
Ammonia as Nitrogen	3500	10	mg/Kg	09/11/02		AM	E350.1/350.2
pH	6.70	0.10	pH Units	08/30/02	23:00	CD	E150.1/SW9045
TCLP Extraction Metals	Completed			09/04/02		T/H	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
November 07, 2002

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 07, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	TV	08/29/02	13:40
Location Code:	CLEANHAR	Received by:	KJB	08/30/02	8:08
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE33148

Client ID: PURE ETCH CT 425973-8

Phoenix I.D.: AE33155

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloride	2400	83	mg/kg	09/07/02		GAD	9056
Corrosivity	Negative	NONE	None	08/30/02		CD	S423/E150.1
Ammonia as Nitrogen	240	5.0	mg/Kg	09/07/02		JR	E350.1/350.2
pH	7.82	0.10	pH Units	08/30/02	23:00	CD	E150.1/SW9045

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
November 07, 2002

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 07, 2002

FOR: Attn: Mr. Eric Montgomery
Clean Harbors Analytical Svc.
761 Middle ST
Bristol CT 06010

Sample Information		Custody Information		Date	Time
Matrix:	LIQUI	Collected by:	TV	08/29/02	13:50
Location Code:	CLEANHAR	Received by:	KJB	08/30/02	8:08
Project Code:		Analyzed by:	see "By" below		
P.O.#:	CT425973				

Laboratory Data

SDG I.D.: GAE33148

Client ID: PURE ETCH CT 425973-9

Phoenix I.D.: AE33156

Parameter	Result	RL	Units	Date	Time	By	Reference
TCLP Silver	BDL	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Arsenic	BDL	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Barium	0.30	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Cadmium	BDL	0.05	mg/L	09/04/02		EK	E1311/SW6010
TCLP Chromium	0.50	0.10	mg/L	09/04/02		EK	E1311/SW6010
TCLP Lead	BDL	0.15	mg/L	09/04/02		EK	E1311/SW6010
TCLP Selenium	1.00	0.50	mg/L	09/04/02		EK	E1311/SW6010
TCLP Mercury	BDL	0.001	mg/L	09/04/02		RS	E1311/E245.1
Chloride	150000	6000	mg/L	09/10/02		GAD	300.0/9056
Corrosivity	Negative	NONE	None	08/30/02		CD	S423/E150.1
Flash Point	>200	200	degree F	09/04/02		CF	SW846 - 1010
Ignitability	Passed	140	deg F	09/04/02		CF	SW846 - 1010
Ammonia as Nitrogen	0.49	0.02	mg/L	09/07/02		JR	S4500NH3
Reactivity Cyanide	BDL	0.01	mg/L	09/04/02		PJ	SW 846-7.3
Reactivity Sulfide	BDL	0.4	mg/L	09/04/02		PJ	SW846-7.3
Reactivity	Negative			09/04/02		PJ	SW 846-7.3
TCLP Digestion Mercury	Completed			09/04/02		TR	E1311/7470
TCLP Extraction Metals	Completed			09/04/02		TH	EPA 1311

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

November 07, 2002

QA/QC Data

SDG I.D.: GAE33148

Parameter	Blank	LCS Rec %	MS Rec %	RPD
QA/QC Batch Sample No: AE33156 (AE33148, AE33149, AE33150, AE33151, AE33152, AE33153, AE33154, AE33155, AE33156)				
Flash Point		81	NR	NC
QA/QC Batch Sample No: AE33225 (AE33148, AE33149, AE33150, AE33152, AE33153, AE33154, AE33155, AE33156)				
Ammonia as Nitrogen	BDL	98	107	3.8
QA/QC Batch Sample No: AE33261 (AE33150, AE33156)				
Reactivity Cyanide	BDL	82	NR	NC
Reactivity Sulfide	BDL			
QA/QC Batch Sample No: AE33462 (AE33150, AE33152, AE33153, AE33156)				
Mercury	BDL	94	97	NC
QA/QC Batch Sample No: AE33467 (AE33150)				
Flash Point		80	NR	NC
QA/QC Batch Sample No: AE33616 (AE33148)				
Ammonia as Nitrogen	BDL	89	100	2.9
QA/QC Batch Sample No: AE33893 (AE33148, AE33149)				
Mercury	BDL	90	150	NC

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

LCS - Laboratory Control Sample
MS - Matrix Spike
RPD - Relative Percent Difference Between Sample and Sample Duplicate

Phyllis Shiller

Phyllis Shiller, Laboratory Director
November 07, 2002

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive
Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: F1-00002202.01

Site: PURE ETCH

Laboratory Job Number: L0205316

Invoice Number: 64167

Date Received: 31-MAY-02

Date Reported: 06-JUN-02

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0205316-01	PE110-CM2	THOMASTON, CT
L0205316-02	PE109-CM1	THOMASTON, CT
L0205316-03	PE111-ALS	THOMASTON, CT
L0205316-04	PE113-FP	THOMASTON, CT
L0205316-05	PE112-ACS	THOMASTON, CT
L0205316-06	PE114-CS	THOMASTON, CT
L0205316-07	PE115-ACL	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: James R. Roth, PhD

James R. Roth, PhD - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0205316

Alpha Report L0205316:

Report Submission

This report replaces the report issued on June 4, 2002. The report has been amended to include a description of the sample matrix on Alpha Samples L0205316-01 through -07.

Total Metals

The matrix spike percent recovery for the analysis of Zinc is outside the in-house acceptance criteria for the method. A post analytical spike was performed with an acceptable recovery of 109%.

The matrix spike percent recovery for the analysis of Mercury is invalid because the sample concentration is greater than four times the spike amount added.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205316-01
PE110-CM2
Sample Matrix: SOIL

Date Collected: 30-MAY-2002 14:45
Date Received : 31-MAY-2002
Date Reported : 06-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Sample matrix is floor sweepings.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	95.	%	0.10	30	2540G		0601 15:15	ST
Total Metals				1	3051			
Arsenic, Total	11.	mg/kg	4.1	1	6010B	0603 12:20	0603 19:25	MG
Barium, Total	120	mg/kg	4.1	1	6010B	0603 12:20	0603 19:25	MG
Cadmium, Total	14.	mg/kg	4.1	1	6010B	0603 12:20	0603 19:25	MG
Chromium, Total	570	mg/kg	4.1	1	6010B	0603 12:20	0603 19:25	MG
Copper, Total	670	mg/kg	4.1	1	6010B	0603 12:20	0603 19:25	MG
Lead, Total	260	mg/kg	21.	1	6010B	0603 12:20	0603 19:25	MG
Mercury, Total	1.7	mg/kg	0.08	1	7471A	0603 17:20	0604 09:31	DM
Nickel, Total	190	mg/kg	10.	1	6010B	0603 12:20	0603 19:25	MG
Selenium, Total	ND	mg/kg	4.1	1	6010B	0603 12:20	0603 19:25	MG
Silver, Total	4.2	mg/kg	4.1	1	6010B	0603 12:20	0603 19:25	MG
Zinc, Total	3100	mg/kg	21.	1	6010B	0603 12:20	0603 19:25	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205316-02
PE109-CM1
Sample Matrix: SOIL

Date Collected: 30-MAY-2002 14:50
Date Received : 31-MAY-2002
Date Reported : 06-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Sample matrix is floor sweepings.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	96.	%	0.10	30	2540G		0601 15:15	ST
Total Metals				1	3051			
Arsenic, Total	9.1	mg/kg	4.1	1	6010B	0603 12:20	0603 19:31	MG
Barium, Total	54.	mg/kg	4.1	1	6010B	0603 12:20	0603 19:31	MG
Cadmium, Total	31.	mg/kg	4.1	1	6010B	0603 12:20	0603 19:31	MG
Chromium, Total	210	mg/kg	4.1	1	6010B	0603 12:20	0603 19:31	MG
Copper, Total	420	mg/kg	4.1	1	6010B	0603 12:20	0603 19:31	MG
Lead, Total	96.	mg/kg	21.	1	6010B	0603 12:20	0603 19:31	MG
Mercury, Total	0.45	mg/kg	0.08	1	7471A	0603 17:20	0604 09:31	DM
Nickel, Total	90.	mg/kg	10.	1	6010B	0603 12:20	0603 19:31	MG
Selenium, Total	ND	mg/kg	4.1	1	6010B	0603 12:20	0603 19:31	MG
Silver, Total	ND	mg/kg	4.1	1	6010B	0603 12:20	0603 19:31	MG
Zinc, Total	3600	mg/kg	21.	1	6010B	0603 12:20	0603 19:31	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205316-03
PE111-ALS
Sample Matrix: SOIL

Date Collected: 30-MAY-2002 14:55
Date Received : 31-MAY-2002
Date Reported : 06-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Sample matrix is floor sweepings.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	95.	%	0.10	30	2540G		0601 15:15	ST
Total Metals				1	3051			
Arsenic, Total	11.	mg/kg	4.2	1	6010B	0603 12:20	0603 19:37	MG
Barium, Total	83.	mg/kg	4.2	1	6010B	0603 12:20	0603 19:37	MG
Cadmium, Total	12.	mg/kg	4.2	1	6010B	0603 12:20	0603 19:37	MG
Chromium, Total	580	mg/kg	4.2	1	6010B	0603 12:20	0603 19:37	MG
Copper, Total	520	mg/kg	4.2	1	6010B	0603 12:20	0603 19:37	MG
Lead, Total	140	mg/kg	21.	1	6010B	0603 12:20	0603 19:37	MG
Mercury, Total	0.32	mg/kg	0.08	1	7471A	0603 17:20	0604 09:31	DM
Nickel, Total	220	mg/kg	10.	1	6010B	0603 12:20	0603 19:37	MG
Selenium, Total	ND	mg/kg	4.2	1	6010B	0603 12:20	0603 19:37	MG
Silver, Total	ND	mg/kg	4.2	1	6010B	0603 12:20	0603 19:37	MG
Zinc, Total	3300	mg/kg	21.	1	6010B	0603 12:20	0603 19:37	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205316-04
PE113-FP
Sample Matrix: SOIL

Date Collected: 30-MAY-2002 15:00
Date Received : 31-MAY-2002
Date Reported : 06-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Sample matrix is floor sweepings.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	96.	%	0.10	30	2540G		0601 15:15	ST
Total Metals				1	3051			
Arsenic, Total	7.2	mg/kg	4.1	1	6010B	0603 12:20	0603 19:43	MG
Barium, Total	61.	mg/kg	4.1	1	6010B	0603 12:20	0603 19:43	MG
Cadmium, Total	8.2	mg/kg	4.1	1	6010B	0603 12:20	0603 19:43	MG
Chromium, Total	350	mg/kg	4.1	1	6010B	0603 12:20	0603 19:43	MG
Copper, Total	440	mg/kg	4.1	1	6010B	0603 12:20	0603 19:43	MG
Lead, Total	270	mg/kg	21.	1	6010B	0603 12:20	0603 19:43	MG
Mercury, Total	0.73	mg/kg	0.08	1	7471A	0603 17:20	0604 09:31	DM
Nickel, Total	95.	mg/kg	10.	1	6010B	0603 12:20	0603 19:43	MG
Selenium, Total	ND	mg/kg	4.1	1	6010B	0603 12:20	0603 19:43	MG
Silver, Total	6.9	mg/kg	4.1	1	6010B	0603 12:20	0603 19:43	MG
Zinc, Total	1600	mg/kg	21.	1	6010B	0603 12:20	0603 19:43	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205316-05
PE112-ACS
Sample Matrix: SOIL

Date Collected: 30-MAY-2002 15:05
Date Received : 31-MAY-2002
Date Reported : 06-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Sample matrix is floor sweepings.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	94.	%	0.10	30	2540G		0601 15:15	ST
Total Metals				1	3051			
Arsenic, Total	9.0	mg/kg	4.2	1	6010B	0603 12:20	0603 19:49	MG
Barium, Total	95.	mg/kg	4.2	1	6010B	0603 12:20	0603 19:49	MG
Cadmium, Total	32.	mg/kg	4.2	1	6010B	0603 12:20	0603 19:49	MG
Chromium, Total	850	mg/kg	4.2	1	6010B	0603 12:20	0603 19:49	MG
Copper, Total	2200	mg/kg	4.2	1	6010B	0603 12:20	0603 19:49	MG
Lead, Total	980	mg/kg	21.	1	6010B	0603 12:20	0603 19:49	MG
Mercury, Total	0.57	mg/kg	0.08	1	7471A	0603 17:20	0604 09:31	DM
Nickel, Total	110	mg/kg	10.	1	6010B	0603 12:20	0603 19:49	MG
Selenium, Total	ND	mg/kg	8.4	1	6010B	0603 12:20	0603 19:49	MG
Silver, Total	4.5	mg/kg	4.2	1	6010B	0603 12:20	0603 19:49	MG
Zinc, Total	3200	mg/kg	21.	1	6010B	0603 12:20	0603 19:49	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205316-06
PE114-CS
Sample Matrix: SOIL

Date Collected: 30-MAY-2002 15:10
Date Received : 31-MAY-2002
Date Reported : 06-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Sample matrix is floor sweepings.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	98.	%	0.10	30	2540G		0601 15:15	ST
Total Metals				1	3051			
Arsenic, Total	7.2	mg/kg	4.1	1	6010B	0603 12:20	0603 19:55	MG
Barium, Total	95.	mg/kg	4.1	1	6010B	0603 12:20	0603 19:55	MG
Cadmium, Total	16.	mg/kg	4.1	1	6010B	0603 12:20	0603 19:55	MG
Chromium, Total	390	mg/kg	4.1	1	6010B	0603 12:20	0603 19:55	MG
Copper, Total	550	mg/kg	4.1	1	6010B	0603 12:20	0603 19:55	MG
Lead, Total	200	mg/kg	20.	1	6010B	0603 12:20	0603 19:55	MG
Mercury, Total	1.2	mg/kg	0.08	1	7471A	0603 17:20	0604 09:31	DM
Nickel, Total	120	mg/kg	10.	1	6010B	0603 12:20	0603 19:55	MG
Selenium, Total	ND	mg/kg	4.1	1	6010B	0603 12:20	0603 19:55	MG
Silver, Total	ND	mg/kg	4.1	1	6010B	0603 12:20	0603 19:55	MG
Zinc, Total	4000	mg/kg	20.	1	6010B	0603 12:20	0603 19:55	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205316-07
PE115-ACL
Sample Matrix: SOIL

Date Collected: 31-MAY-2002 08:10
Date Received : 31-MAY-2002
Date Reported : 06-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Sample matrix is floor sweepings.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	98.	%	0.10	30	2540G		0601 15:15	ST
Total Metals				1	3051			
Arsenic, Total	ND	mg/kg	4.0	1	6010B	0603 12:20	0603 20:00	MG
Barium, Total	83.	mg/kg	4.0	1	6010B	0603 12:20	0603 20:00	MG
Cadmium, Total	12.	mg/kg	4.0	1	6010B	0603 12:20	0603 20:00	MG
Chromium, Total	120	mg/kg	4.0	1	6010B	0603 12:20	0603 20:00	MG
Copper, Total	2900	mg/kg	4.0	1	6010B	0603 12:20	0603 20:00	MG
Lead, Total	100	mg/kg	20.	1	6010B	0603 12:20	0603 20:00	MG
Mercury, Total	0.14	mg/kg	0.08	1	7471A	0603 17:20	0604 09:31	DM
Nickel, Total	69.	mg/kg	10.	1	6010B	0603 12:20	0603 20:00	MG
Selenium, Total	ND	mg/kg	4.0	1	6010B	0603 12:20	0603 20:00	MG
Silver, Total	ND	mg/kg	4.0	1	6010B	0603 12:20	0603 20:00	MG
Zinc, Total	1800	mg/kg	20.	1	6010B	0603 12:20	0603 20:00	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0205316

Parameter	Value 1	Value 2	RPD	Units
Solids, Total for sample(s) 01-07 (L0205316-01, WG114371)				
Solids, Total	95.	95.	0	%
Total Metals for sample(s) 01-07 (L0205266-54, WG114414)				
Arsenic, Total	7.6	7.6	0	mg/kg
Cadmium, Total	ND	ND	NC	mg/kg
Chromium, Total	12.	12.	0	mg/kg
Lead, Total	27.	26.	4	mg/kg
Total Metals for sample(s) 01-07 (L0205316-01, WG114474)				
Mercury, Total	1.7	1.8	6	mg/kg

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0205316

Parameter	% Recovery
Total Metals LCS for sample(s) 01-07 (WG114414)	
Arsenic, Total	95
Barium, Total	96
Cadmium, Total	105
Chromium, Total	99
Copper, Total	96
Lead, Total	100
Nickel, Total	96
Selenium, Total	104
Silver, Total	93
Zinc, Total	96
Total Metals LCS for sample(s) 01-07 (WG114474)	
Mercury, Total	94
Total Metals SPIKE for sample(s) 01-07 (L0205266-54, WG114414)	
Arsenic, Total	82
Barium, Total	96
Cadmium, Total	105
Chromium, Total	90
Copper, Total	90
Lead, Total	88
Nickel, Total	91
Selenium, Total	106
Silver, Total	97
Zinc, Total	54
Total Metals SPIKE for sample(s) 01-07 (L0205316-01, WG114474)	
Mercury, Total	59

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0205316

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-07								
Total Metals				1	3051			
Arsenic, Total	ND	mg/kg	0.40	1	6010B	0603 12:20	0603 17:40	MG
Barium, Total	ND	mg/kg	0.40	1	6010B	0603 12:20	0603 17:40	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	0603 12:20	0603 17:40	MG
Chromium, Total	ND	mg/kg	0.40	1	6010B	0603 12:20	0603 17:40	MG
Copper, Total	ND	mg/kg	0.40	1	6010B	0603 12:20	0603 17:40	MG
Lead, Total	ND	mg/kg	2.0	1	6010B	0603 12:20	0603 17:40	MG
Nickel, Total	ND	mg/kg	1.0	1	6010B	0603 12:20	0603 17:40	MG
Selenium, Total	ND	mg/kg	0.80	1	6010B	0603 12:20	0603 17:40	MG
Silver, Total	ND	mg/kg	0.40	1	6010B	0603 12:20	0603 17:40	MG
Zinc, Total	ND	mg/kg	2.0	1	6010B	0603 12:20	0603 17:40	MG
Blank Analysis for sample(s) 01-07								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0603 17:20	0604 09:31	DM

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive
Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: F1-00002202.00

Site: PURE-ETCH

Laboratory Job Number: L0205411

Invoice Number: 64410

Date Received: 04-JUN-02

Date Reported: 11-JUN-02

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0205411-01	PE118-SC3 (WATER)	THOMASTON, CT
L0205411-02	PE122-T15	THOMASTON, CT
L0205411-03	PE116-SC1	THOMASTON, CT
L0205411-04	PE121-SC6	THOMASTON, CT
L0205411-05	PE117-SC2	THOMASTON, CT
L0205411-06	PE120-SC5	THOMASTON, CT
L0205411-07	PE119-SC4	THOMASTON, CT
L0205411-08	PE118-SC3 (SOIL)	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean

Scott McLean - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0205411

Alpha Report L0205411:

Total Metals

The matrix spike percent recoveries for the analyses of Lead and Zinc associated with Alpha Sample L0205411-08 is invalid because the sample concentration is greater than four times the spike amount added.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205411-01
PE118-SC3 (WATER)
Sample Matrix: WATER

Date Collected: 04-JUN-2002 10:55
Date Received : 04-JUN-2002
Date Reported : 11-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 0-

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
pH	6.2	SU	-	1	9040B		0605 14:25	DP
Total Metals				1	3015			
Arsenic, Total	0.025	mg/l	0.005	1	6010B	0606 11:30	0607 11:46	MG
Barium, Total	0.46	mg/l	0.01	1	6010B	0606 11:30	0607 11:46	MG
Cadmium, Total	0.026	mg/l	0.005	1	6010B	0606 11:30	0607 11:46	MG
Chromium, Total	0.83	mg/l	0.01	1	6010B	0606 11:30	0607 11:46	MG
Copper, Total	6.6	mg/l	0.01	1	6010B	0606 11:30	0607 11:46	MG
Lead, Total	4.63	mg/l	0.050	1	6010B	0606 11:30	0607 11:46	MG
Mercury, Total	0.0056	mg/l	0.0005	1	7470A	0607 17:00	0610 11:03	DM
Nickel, Total	0.205	mg/l	0.025	1	6010B	0606 11:30	0607 11:46	MG
Selenium, Total	ND	mg/l	0.006	1	6010B	0606 11:30	0607 11:46	MG
Silver, Total	0.157	mg/l	0.007	1	6010B	0606 11:30	0607 11:46	MG
Zinc, Total	4.6	mg/l	0.05	1	6010B	0606 11:30	0607 11:46	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205411-02
PE122-T15
Sample Matrix: WATER

Date Collected: 04-JUN-2002 11:30
Date Received : 04-JUN-2002
Date Reported : 11-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
pH	7.0	SU	-	1	9040B		0604 22:50	DP
Total Metals				1	3015			
Arsenic, Total	ND	mg/l	0.005	1	6010B	0606 11:30	0607 11:51	MG
Barium, Total	ND	mg/l	0.01	1	6010B	0606 11:30	0607 11:51	MG
Cadmium, Total	ND	mg/l	0.005	1	6010B	0606 11:30	0607 11:51	MG
Chromium, Total	ND	mg/l	0.01	1	6010B	0606 11:30	0607 11:51	MG
Copper, Total	0.01	mg/l	0.01	1	6010B	0606 11:30	0607 11:51	MG
Lead, Total	ND	mg/l	0.050	1	6010B	0606 11:30	0607 11:51	MG
Mercury, Total	ND	mg/l	0.0005	1	7470A	0607 17:00	0610 11:05	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0606 11:30	0607 11:51	MG
Selenium, Total	ND	mg/l	0.006	1	6010B	0606 11:30	0607 11:51	MG
Silver, Total	ND	mg/l	0.007	1	6010B	0606 11:30	0607 11:51	MG
Zinc, Total	ND	mg/l	0.05	1	6010B	0606 11:30	0607 11:51	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205411-03
PE116-SC1
Sample Matrix: WATER

Date Collected: 04-JUN-2002 12:20
Date Received : 04-JUN-2002
Date Reported : 11-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
pH	8.3	SU	-	1	9040B		0604 22:50	DP
Total Metals				1	3015			
Arsenic, Total	0.009	mg/l	0.005	1	6010B	0606 11:30	0607 11:56	MG
Barium, Total	0.14	mg/l	0.01	1	6010B	0606 11:30	0607 11:56	MG
Cadmium, Total	0.102	mg/l	0.005	1	6010B	0606 11:30	0607 11:56	MG
Chromium, Total	0.23	mg/l	0.01	1	6010B	0606 11:30	0607 11:56	MG
Copper, Total	0.84	mg/l	0.01	1	6010B	0606 11:30	0607 11:56	MG
Lead, Total	0.351	mg/l	0.050	1	6010B	0606 11:30	0607 11:56	MG
Mercury, Total	0.0017	mg/l	0.0005	1	7470A	0607 17:00	0610 11:07	DM
Nickel, Total	0.065	mg/l	0.025	1	6010B	0606 11:30	0607 11:56	MG
Selenium, Total	ND	mg/l	0.006	1	6010B	0606 11:30	0607 11:56	MG
Silver, Total	0.014	mg/l	0.007	1	6010B	0606 11:30	0607 11:56	MG
Zinc, Total	2.2	mg/l	0.05	1	6010B	0606 11:30	0607 11:56	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205411-04
PE121-SC6
Sample Matrix: WATER

Date Collected: 04-JUN-2002 12:30
Date Received : 04-JUN-2002
Date Reported : 11-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
pH	7.9	SU	-	1	9040B		0604 22:50	DP
Total Metals				1	3015			
Arsenic, Total	0.023	mg/l	0.005	1	6010B	0606 11:30	0607 12:01	MG
Barium, Total	1.9	mg/l	0.01	1	6010B	0606 11:30	0607 12:01	MG
Cadmium, Total	0.074	mg/l	0.005	1	6010B	0606 11:30	0607 12:01	MG
Chromium, Total	2.2	mg/l	0.01	1	6010B	0606 11:30	0607 12:01	MG
Copper, Total	4.1	mg/l	0.01	1	6010B	0606 11:30	0607 12:01	MG
Lead, Total	0.868	mg/l	0.050	1	6010B	0606 11:30	0607 12:01	MG
Mercury, Total	0.0081	mg/l	0.0005	1	7470A	0607 17:00	0610 11:08	DM
Nickel, Total	0.709	mg/l	0.025	1	6010B	0606 11:30	0607 12:01	MG
Selenium, Total	ND	mg/l	0.006	1	6010B	0606 11:30	0607 12:01	MG
Silver, Total	0.017	mg/l	0.007	1	6010B	0606 11:30	0607 12:01	MG
Zinc, Total	28.	mg/l	0.50	1	6010B	0606 11:30	0611 11:03	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205411-05
PE117-SC2
Sample Matrix: WATER

Date Collected: 04-JUN-2002 13:25
Date Received : 04-JUN-2002
Date Reported : 11-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
pH	8.0	SU	-	1	9040B		0604 22:50	DP
Total Metals				1	3015			
Arsenic, Total	0.034	mg/l	0.005	1	6010B	0606 11:30	0607 12:22	MG
Barium, Total	1.7	mg/l	0.01	1	6010B	0606 11:30	0607 12:22	MG
Cadmium, Total	0.192	mg/l	0.005	1	6010B	0606 11:30	0607 12:22	MG
Chromium, Total	3.7	mg/l	0.01	1	6010B	0606 11:30	0607 12:22	MG
Copper, Total	18.	mg/l	0.10	1	6010B	0606 11:30	0611 11:08	MG
Lead, Total	3.07	mg/l	0.050	1	6010B	0606 11:30	0607 12:22	MG
Mercury, Total	0.0384	mg/l	0.0025	1	7470A	0607 17:00	0610 12:23	DM
Nickel, Total	2.56	mg/l	0.025	1	6010B	0606 11:30	0607 12:22	MG
Selenium, Total	ND	mg/l	0.006	1	6010B	0606 11:30	0607 12:22	MG
Silver, Total	0.068	mg/l	0.007	1	6010B	0606 11:30	0607 12:22	MG
Zinc, Total	14.	mg/l	0.50	1	6010B	0606 11:30	0611 11:08	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205411-06
PE120-SC5
Sample Matrix: WATER

Date Collected: 04-JUN-2002 13:35
Date Received : 04-JUN-2002
Date Reported : 11-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
pH	6.9	SU	-	1	9040B		0604 22:50	DP
Total Metals				1	3015			
Arsenic, Total	0.014	mg/l	0.005	1	6010B	0606 11:30	0607 12:27	MG
Barium, Total	0.26	mg/l	0.01	1	6010B	0606 11:30	0607 12:27	MG
Cadmium, Total	0.049	mg/l	0.005	1	6010B	0606 11:30	0607 12:27	MG
Chromium, Total	0.70	mg/l	0.01	1	6010B	0606 11:30	0607 12:27	MG
Copper, Total	2.4	mg/l	0.01	1	6010B	0606 11:30	0607 12:27	MG
Lead, Total	0.526	mg/l	0.050	1	6010B	0606 11:30	0607 12:27	MG
Mercury, Total	0.0031	mg/l	0.0005	1	7470A	0607 17:00	0610 11:13	DM
Nickel, Total	0.377	mg/l	0.025	1	6010B	0606 11:30	0607 12:27	MG
Selenium, Total	ND	mg/l	0.006	1	6010B	0606 11:30	0607 12:27	MG
Silver, Total	0.011	mg/l	0.007	1	6010B	0606 11:30	0607 12:27	MG
Zinc, Total	11.	mg/l	0.50	1	6010B	0606 11:30	0611 11:13	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205411-07
PE119-SC4
Sample Matrix: WATER

Date Collected: 04-JUN-2002 13:50
Date Received : 04-JUN-2002
Date Reported : 11-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
pH	8.9	SU	-	1	9040B		0604 22:50	DP
Total Metals				1	3015			
Arsenic, Total	0.299	mg/l	0.005	1	6010B	0606 11:30	0607 12:32	MG
Barium, Total	0.99	mg/l	0.01	1	6010B	0606 11:30	0607 12:32	MG
Cadmium, Total	0.117	mg/l	0.005	1	6010B	0606 11:30	0607 12:32	MG
Chromium, Total	4.7	mg/l	0.01	1	6010B	0606 11:30	0607 12:32	MG
Copper, Total	8.5	mg/l	0.01	1	6010B	0606 11:30	0607 12:32	MG
Lead, Total	2.82	mg/l	0.050	1	6010B	0606 11:30	0607 12:32	MG
Mercury, Total	0.0067	mg/l	0.0005	1	7470A	0607 17:00	0610 11:14	DM
Nickel, Total	2.25	mg/l	0.025	1	6010B	0606 11:30	0607 12:32	MG
Selenium, Total	ND	mg/l	0.006	1	6010B	0606 11:30	0607 12:32	MG
Silver, Total	0.222	mg/l	0.007	1	6010B	0606 11:30	0607 12:32	MG
Zinc, Total	18.	mg/l	0.50	1	6010B	0606 11:30	0611 11:18	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205411-08
PE118-SC3 (SOIL)
Sample Matrix: SOIL

Date Collected: 04-JUN-2002 10:55
Date Received : 04-JUN-2002
Date Reported : 11-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	39.	%	0.10	30	2540G		0607 15:59	NL
pH	6.6	SU	-	1	9045C		0605 15:10	DP
Total Metals				1	3051			
Arsenic, Total	17.	mg/kg	10.	1	6010B	0606 15:20	0611 10:33	MG
Barium, Total	380	mg/kg	10.	1	6010B	0606 15:20	0611 10:33	MG
Cadmium, Total	14.	mg/kg	10.	1	6010B	0606 15:20	0611 10:33	MG
Chromium, Total	850	mg/kg	10.	1	6010B	0606 15:20	0611 10:33	MG
Copper, Total	2600	mg/kg	10.	1	6010B	0606 15:20	0611 10:33	MG
Lead, Total	2000	mg/kg	51.	1	6010B	0606 15:20	0611 10:33	MG
Mercury, Total	1.8	mg/kg	0.20	1	7471A	0610 15:00	0611 09:41	DM
Nickel, Total	250	mg/kg	25.	1	6010B	0606 15:20	0611 10:33	MG
Selenium, Total	ND	mg/kg	20.	1	6010B	0606 15:20	0611 10:33	MG
Silver, Total	34.	mg/kg	10.	1	6010B	0606 15:20	0611 10:33	MG
Zinc, Total	3300	mg/kg	51.	1	6010B	0606 15:20	0611 10:33	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0205411

Parameter	Value 1	Value 2	RPD	Units
Solids, Total for sample(s) 08 (L0205411-08, WG114928)				
Solids, Total	39.	33.	17	%
pH for sample(s) 01 (L0205411-01, WG114683)				
pH	6.2	6.3	2	SU
Total Metals for sample(s) 01-07 (L0205461-01, WG114789)				
Arsenic, Total	ND	ND	NC	mg/l
Barium, Total	0.06	0.06	2	mg/l
Cadmium, Total	ND	ND	NC	mg/l
Chromium, Total	ND	ND	NC	mg/l
Lead, Total	ND	ND	NC	mg/l
Selenium, Total	ND	ND	NC	mg/l
Silver, Total	ND	ND	NC	mg/l
Zinc, Total	0.07	0.08	6	mg/l
Total Metals for sample(s) 08 (L0205439-02, WG114866)				
Arsenic, Total	6.5	6.8	5	mg/kg
Barium, Total	99.	100	1	mg/kg
Cadmium, Total	1.7	1.7	0	mg/kg
Chromium, Total	19.	20.	5	mg/kg
Lead, Total	430	400	7	mg/kg
Selenium, Total	ND	ND	NC	mg/kg
Silver, Total	ND	ND	NC	mg/kg
Total Metals for sample(s) 01-07 (L0205461-01, WG114924)				
Mercury, Total	ND	ND	NC	mg/l
Total Metals for sample(s) 08 (L0205271-03, WG115084)				
Mercury, Total	ND	ND	NC	mg/kg

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0205411

Parameter	% Recovery
pH LCS for sample(s) 02-07 (WG114622)	
pH	100
pH LCS for sample(s) 01 (WG114683)	
pH	100
pH LCS for sample(s) 08 (WG114684)	
pH	100
Total Metals LCS for sample(s) 01-07 (WG114789)	
Arsenic, Total	98
Barium, Total	95
Cadmium, Total	100
Chromium, Total	95
Copper, Total	96
Lead, Total	99
Nickel, Total	92
Selenium, Total	98
Silver, Total	96
Zinc, Total	102
Total Metals LCS for sample(s) 08 (WG114866)	
Arsenic, Total	100
Barium, Total	94
Cadmium, Total	105
Chromium, Total	101
Copper, Total	96
Lead, Total	100
Nickel, Total	97
Selenium, Total	100
Silver, Total	93
Zinc, Total	102
Total Metals LCS for sample(s) 01-07 (WG114924)	
Mercury, Total	104
Total Metals LCS for sample(s) 08 (WG115084)	
Mercury, Total	100
Total Metals SPIKE for sample(s) 01-07 (L0205461-02, WG114789)	
Arsenic, Total	88
Barium, Total	96
Cadmium, Total	102
Chromium, Total	100
Copper, Total	97
Lead, Total	101
Nickel, Total	96
Selenium, Total	84
Silver, Total	95

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0205411

Continued

Parameter	% Recovery
Total Metals SPIKE for sample(s) 01-07 (L0205461-02, WG114789)	
Zinc, Total	106
Total Metals SPIKE for sample(s) 08 (L0205439-02, WG114866)	
Arsenic, Total	97
Barium, Total	85
Cadmium, Total	87
Chromium, Total	105
Copper, Total	93
Lead, Total	0
Nickel, Total	93
Selenium, Total	107
Silver, Total	105
Zinc, Total	0
Total Metals SPIKE for sample(s) 01-07 (L0205461-02, WG114924)	
Mercury, Total	116
Total Metals SPIKE for sample(s) 08 (L0205271-03, WG115084)	
Mercury, Total	100

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0205411

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-07								
Total Metals				1	3015			
Arsenic, Total	ND	mg/l	0.005	1	6010B	0606 11:30	0607 11:17	MG
Barium, Total	ND	mg/l	0.01	1	6010B	0606 11:30	0607 11:17	MG
Cadmium, Total	ND	mg/l	0.005	1	6010B	0606 11:30	0607 11:17	MG
Chromium, Total	ND	mg/l	0.01	1	6010B	0606 11:30	0607 11:17	MG
Copper, Total	ND	mg/l	0.01	1	6010B	0606 11:30	0607 11:17	MG
Lead, Total	ND	mg/l	0.050	1	6010B	0606 11:30	0607 11:17	MG
Nickel, Total	ND	mg/l	0.025	1	6010B	0606 11:30	0607 11:17	MG
Selenium, Total	ND	mg/l	0.005	1	6010B	0606 11:30	0607 11:17	MG
Silver, Total	ND	mg/l	0.007	1	6010B	0606 11:30	0607 11:17	MG
Zinc, Total	ND	mg/l	0.05	1	6010B	0606 11:30	0607 11:17	MG
Blank Analysis for sample(s) 08								
Total Metals				1	3051			
Arsenic, Total	ND	mg/kg	0.40	1	6010B	0606 15:20	0607 14:49	MG
Barium, Total	ND	mg/kg	0.40	1	6010B	0606 15:20	0607 14:49	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	0606 15:20	0607 14:49	MG
Chromium, Total	ND	mg/kg	0.40	1	6010B	0606 15:20	0607 14:49	MG
Copper, Total	ND	mg/kg	0.40	1	6010B	0606 15:20	0607 14:49	MG
Lead, Total	ND	mg/kg	2.0	1	6010B	0606 15:20	0607 14:49	MG
Nickel, Total	ND	mg/kg	1.0	1	6010B	0606 15:20	0607 14:49	MG
Selenium, Total	ND	mg/kg	0.80	1	6010B	0606 15:20	0607 14:49	MG
Silver, Total	ND	mg/kg	0.40	1	6010B	0606 15:20	0607 14:49	MG
Zinc, Total	ND	mg/kg	2.0	1	6010B	0606 15:20	0607 14:49	MG
Blank Analysis for sample(s) 01-07								
Total Metals								
Mercury, Total	ND	mg/l	0.0005	1	7470A	0607 17:00	0610 10:59	DM
Blank Analysis for sample(s) 08								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0610 15:00	0611 09:41	DM

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

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We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: F1-00002202.00

Site: PURE ETCH

Laboratory Job Number: L0205834

Invoice Number: 64803

Date Received: 13-JUN-02

Date Reported: 20-JUN-02

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0205834-01	PE123-H6	THOMASTON, CT
L0205834-02	PE124-L6	THOMASTON, CT
L0205834-03	PE125-P9	THOMASTON, CT
L0205834-04	PE126-R12	THOMASTON, CT
L0205834-05	PE127-R18	THOMASTON, CT
L0205834-06	PE128-N16	THOMASTON, CT
L0205834-07	PE129-D17	THOMASTON, CT
L0205834-08	PE130-D15	THOMASTON, CT
L0205834-09	PE131-E11	THOMASTON, CT
L0205834-10	PE132-G9	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: James R. Roth, PhD

James R. Roth, PhD - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0205834

Alpha Report L0205834:

Total Metals

The matrix spike percent recovery for the analysis of Zinc, Nickel, Lead, Copper, and Chromium associated with Alpha Sample(s) L0205834-01 through -10 is invalid because the sample concentration is greater than four times the spike amount added.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205834-01
PE123-H6
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:22
Date Received : 13-JUN-2002
Date Reported : 20-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	64.	%	0.10	30	2540G		0614 16:00	DP
Total Metals				1	3051			
Arsenic, Total	2.8	mg/kg	0.62	1	6010B	0614 12:45	0617 11:03	MG
Barium, Total	48.	mg/kg	0.62	1	6010B	0614 12:45	0617 11:03	MG
Cadmium, Total	1.1	mg/kg	0.62	1	6010B	0614 12:45	0617 11:03	MG
Chromium, Total	68.	mg/kg	0.62	1	6010B	0614 12:45	0617 11:03	MG
Copper, Total	140	mg/kg	0.62	1	6010B	0614 12:45	0617 11:03	MG
Lead, Total	54.	mg/kg	3.1	1	6010B	0614 12:45	0617 11:03	MG
Mercury, Total	ND	mg/kg	0.13	1	7471A	0618 14:50	0619 09:53	DM
Nickel, Total	35.	mg/kg	1.6	1	6010B	0614 12:45	0617 11:03	MG
Selenium, Total	ND	mg/kg	1.2	1	6010B	0614 12:45	0617 11:03	MG
Silver, Total	1.3	mg/kg	0.62	1	6010B	0614 12:45	0617 11:03	MG
Zinc, Total	150	mg/kg	3.1	1	6010B	0614 12:45	0617 11:03	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205834-02
PE124-L6
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:25
Date Received : 13-JUN-2002
Date Reported : 20-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	78.	%	0.10	30	2540G		0614 16:00	DP
Total Metals				1	3051			
Arsenic, Total	2.7	mg/kg	0.50	1	6010B	0614 12:45	0617 11:08	MG
Barium, Total	67.	mg/kg	0.50	1	6010B	0614 12:45	0617 11:08	MG
Cadmium, Total	6.8	mg/kg	0.50	1	6010B	0614 12:45	0617 11:08	MG
Chromium, Total	200	mg/kg	0.50	1	6010B	0614 12:45	0617 11:08	MG
Copper, Total	610	mg/kg	0.50	1	6010B	0614 12:45	0617 11:08	MG
Lead, Total	210	mg/kg	2.5	1	6010B	0614 12:45	0617 11:08	MG
Mercury, Total	0.13	mg/kg	0.09	1	7471A	0618 14:50	0619 09:53	DM
Nickel, Total	120	mg/kg	1.3	1	6010B	0614 12:45	0617 11:08	MG
Selenium, Total	ND	mg/kg	1.0	1	6010B	0614 12:45	0617 11:08	MG
Silver, Total	3.9	mg/kg	0.50	1	6010B	0614 12:45	0617 11:08	MG
Zinc, Total	360	mg/kg	2.5	1	6010B	0614 12:45	0617 11:08	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205834-03
PE125-P9
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:29
Date Received : 13-JUN-2002
Date Reported : 20-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	88.	%	0.10	30	2540G		0614 16:00	DP
Total Metals				1	3051			
Arsenic, Total	2.7	mg/kg	0.45	1	6010B	0614 12:45	0617 11:13	MG
Barium, Total	41.	mg/kg	0.45	1	6010B	0614 12:45	0617 11:13	MG
Cadmium, Total	0.59	mg/kg	0.45	1	6010B	0614 12:45	0617 11:13	MG
Chromium, Total	32.	mg/kg	0.45	1	6010B	0614 12:45	0617 11:13	MG
Copper, Total	58.	mg/kg	0.45	1	6010B	0614 12:45	0617 11:13	MG
Lead, Total	31.	mg/kg	2.3	1	6010B	0614 12:45	0617 11:13	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0618 14:50	0619 09:53	DM
Nickel, Total	16.	mg/kg	1.1	1	6010B	0614 12:45	0617 11:13	MG
Selenium, Total	ND	mg/kg	0.90	1	6010B	0614 12:45	0617 11:13	MG
Silver, Total	ND	mg/kg	0.45	1	6010B	0614 12:45	0617 11:13	MG
Zinc, Total	100	mg/kg	2.3	1	6010B	0614 12:45	0617 11:13	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205834-04
PE126-R12
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:31
Date Received : 13-JUN-2002
Date Reported : 20-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	85.	%	0.10	30	2540G		0614 16:00	DP
Total Metals				1	3051			
Arsenic, Total	2.6	mg/kg	0.46	1	6010B	0614 12:45	0617 11:20	MG
Barium, Total	78.	mg/kg	0.46	1	6010B	0614 12:45	0617 11:20	MG
Cadmium, Total	2.6	mg/kg	0.46	1	6010B	0614 12:45	0617 11:20	MG
Chromium, Total	64.	mg/kg	0.46	1	6010B	0614 12:45	0617 11:20	MG
Copper, Total	170	mg/kg	0.46	1	6010B	0614 12:45	0617 11:20	MG
Lead, Total	62.	mg/kg	2.3	1	6010B	0614 12:45	0617 11:20	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0618 14:50	0619 09:53	DM
Nickel, Total	35.	mg/kg	1.2	1	6010B	0614 12:45	0617 11:20	MG
Selenium, Total	ND	mg/kg	0.92	1	6010B	0614 12:45	0617 11:20	MG
Silver, Total	0.54	mg/kg	0.46	1	6010B	0614 12:45	0617 11:20	MG
Zinc, Total	180	mg/kg	2.3	1	6010B	0614 12:45	0617 11:20	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205834-05
PE127-R18
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:35
Date Received : 13-JUN-2002
Date Reported : 20-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	94.	%	0.10	30	2540G		0614 16:00	DP
Total Metals				1	3051			
Arsenic, Total	1.9	mg/kg	0.42	1	6010B	0614 12:45	0617 11:25	MG
Barium, Total	40.	mg/kg	0.42	1	6010B	0614 12:45	0617 11:25	MG
Cadmium, Total	2.0	mg/kg	0.42	1	6010B	0614 12:45	0617 11:25	MG
Chromium, Total	71.	mg/kg	0.42	1	6010B	0614 12:45	0617 11:25	MG
Copper, Total	170	mg/kg	0.42	1	6010B	0614 12:45	0617 11:25	MG
Lead, Total	49.	mg/kg	2.1	1	6010B	0614 12:45	0617 11:25	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0618 14:50	0619 09:53	DM
Nickel, Total	51.	mg/kg	1.0	1	6010B	0614 12:45	0617 11:25	MG
Selenium, Total	ND	mg/kg	0.85	1	6010B	0614 12:45	0617 11:25	MG
Silver, Total	0.84	mg/kg	0.42	1	6010B	0614 12:45	0617 11:25	MG
Zinc, Total	210	mg/kg	2.1	1	6010B	0614 12:45	0617 11:25	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205834-06
PE128-N16
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:40
Date Received : 13-JUN-2002
Date Reported : 20-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	59.	%	0.10	30	2540G		0614 16:00	DP
Total Metals				1	3051			
Arsenic, Total	4.4	mg/kg	0.67	1	6010B	0614 12:45	0617 11:30	MG
Barium, Total	140	mg/kg	0.67	1	6010B	0614 12:45	0617 11:30	MG
Cadmium, Total	19.	mg/kg	0.67	1	6010B	0614 12:45	0617 11:30	MG
Chromium, Total	320	mg/kg	0.67	1	6010B	0614 12:45	0617 11:30	MG
Copper, Total	1000	mg/kg	0.67	1	6010B	0614 12:45	0617 11:30	MG
Lead, Total	310	mg/kg	3.4	1	6010B	0614 12:45	0617 11:30	MG
Mercury, Total	ND	mg/kg	0.14	1	7471A	0618 14:50	0619 09:53	DM
Nickel, Total	330	mg/kg	1.7	1	6010B	0614 12:45	0617 11:30	MG
Selenium, Total	ND	mg/kg	1.3	1	6010B	0614 12:45	0617 11:30	MG
Silver, Total	5.6	mg/kg	0.67	1	6010B	0614 12:45	0617 11:30	MG
Zinc, Total	1600	mg/kg	17.	1	6010B	0614 12:45	0617 14:41	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205834-07
PE129-D17
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:44
Date Received : 13-JUN-2002
Date Reported : 20-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	82.	%	0.10	30	2540G		0614 16:00	DP
Total Metals				1	3051			
Arsenic, Total	2.3	mg/kg	0.48	1	6010B	0614 12:45	0617 11:36	MG
Barium, Total	45.	mg/kg	0.48	1	6010B	0614 12:45	0617 11:36	MG
Cadmium, Total	2.1	mg/kg	0.48	1	6010B	0614 12:45	0617 11:36	MG
Chromium, Total	85.	mg/kg	0.48	1	6010B	0614 12:45	0617 11:36	MG
Copper, Total	220	mg/kg	0.48	1	6010B	0614 12:45	0617 11:36	MG
Lead, Total	110	mg/kg	2.4	1	6010B	0614 12:45	0617 11:36	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0618 14:50	0619 09:53	DM
Nickel, Total	55.	mg/kg	1.2	1	6010B	0614 12:45	0617 11:36	MG
Selenium, Total	ND	mg/kg	0.96	1	6010B	0614 12:45	0617 11:36	MG
Silver, Total	2.5	mg/kg	0.48	1	6010B	0614 12:45	0617 11:36	MG
Zinc, Total	260	mg/kg	2.4	1	6010B	0614 12:45	0617 11:36	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205834-08
PE130-D15
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:48
Date Received : 13-JUN-2002
Date Reported : 20-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	76.	%	0.10	30	2540G		0614 16:00	DP
Total Metals				1	3051			
Arsenic, Total	1.9	mg/kg	0.52	1	6010B	0614 12:45	0617 12:15	MG
Barium, Total	63.	mg/kg	0.52	1	6010B	0614 12:45	0617 12:15	MG
Cadmium, Total	0.93	mg/kg	0.52	1	6010B	0614 12:45	0617 12:15	MG
Chromium, Total	79.	mg/kg	0.52	1	6010B	0614 12:45	0617 12:15	MG
Copper, Total	150	mg/kg	0.52	1	6010B	0614 12:45	0617 12:15	MG
Lead, Total	110	mg/kg	2.6	1	6010B	0614 12:45	0617 12:15	MG
Mercury, Total	ND	mg/kg	0.10	1	7471A	0618 14:50	0619 09:53	DM
Nickel, Total	38.	mg/kg	1.3	1	6010B	0614 12:45	0617 12:15	MG
Selenium, Total	ND	mg/kg	1.0	1	6010B	0614 12:45	0617 12:15	MG
Silver, Total	2.3	mg/kg	0.52	1	6010B	0614 12:45	0617 12:15	MG
Zinc, Total	150	mg/kg	2.6	1	6010B	0614 12:45	0617 12:15	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205834-09
PE131-E11
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:51
Date Received : 13-JUN-2002
Date Reported : 20-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	53.	%	0.10	30	2540G		0614 16:00	DP
Total Metals				1	3051			
Arsenic, Total	1.8	mg/kg	0.75	1	6010B	0614 12:45	0617 12:20	MG
Barium, Total	44.	mg/kg	0.75	1	6010B	0614 12:45	0617 12:20	MG
Cadmium, Total	1.6	mg/kg	0.75	1	6010B	0614 12:45	0617 12:20	MG
Chromium, Total	76.	mg/kg	0.75	1	6010B	0614 12:45	0617 12:20	MG
Copper, Total	140	mg/kg	0.75	1	6010B	0614 12:45	0617 12:20	MG
Lead, Total	110	mg/kg	3.8	1	6010B	0614 12:45	0617 12:20	MG
Mercury, Total	ND	mg/kg	0.14	1	7471A	0618 14:50	0619 09:53	DM
Nickel, Total	42.	mg/kg	1.9	1	6010B	0614 12:45	0617 12:20	MG
Selenium, Total	ND	mg/kg	1.5	1	6010B	0614 12:45	0617 12:20	MG
Silver, Total	1.0	mg/kg	0.75	1	6010B	0614 12:45	0617 12:20	MG
Zinc, Total	250	mg/kg	3.8	1	6010B	0614 12:45	0617 12:20	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0205834-10
PE132-G9
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:55
Date Received : 13-JUN-2002
Date Reported : 20-JUN-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	81.	%	0.10	30	2540G		0614 16:00	DP
Total Metals				1	3051			
Arsenic, Total	3.2	mg/kg	0.49	1	6010B	0614 12:45	0617 10:47	MG
Barium, Total	75.	mg/kg	0.49	1	6010B	0614 12:45	0617 10:47	MG
Cadmium, Total	6.3	mg/kg	0.49	1	6010B	0614 12:45	0617 10:47	MG
Chromium, Total	290	mg/kg	0.49	1	6010B	0614 12:45	0617 10:47	MG
Copper, Total	550	mg/kg	0.49	1	6010B	0614 12:45	0617 10:47	MG
Lead, Total	130	mg/kg	2.4	1	6010B	0614 12:45	0617 10:47	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0618 14:50	0619 09:53	DM
Nickel, Total	150	mg/kg	1.2	1	6010B	0614 12:45	0617 10:47	MG
Selenium, Total	ND	mg/kg	0.97	1	6010B	0614 12:45	0617 10:47	MG
Silver, Total	3.8	mg/kg	0.49	1	6010B	0614 12:45	0617 10:47	MG
Zinc, Total	510	mg/kg	2.4	1	6010B	0614 12:45	0617 10:47	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0205834

Parameter	Value 1	Value 2	RPD	Units
Solids, Total for sample(s) 01-10 (L0205818-55, WG115551)				
Solids, Total	87.	86.	1	%
Total Metals for sample(s) 01-10 (L0205834-10, WG115622)				
Arsenic, Total	3.2	3.4	6	mg/kg
Barium, Total	75.	78.	4	mg/kg
Cadmium, Total	6.3	7.4	16	mg/kg
Chromium, Total	290	370	24	mg/kg
Copper, Total	550	650	17	mg/kg
Lead, Total	130	150	14	mg/kg
Nickel, Total	150	170	13	mg/kg
Selenium, Total	ND	ND	NC	mg/kg
Silver, Total	3.8	4.4	15	mg/kg
Zinc, Total	510	600	16	mg/kg
Total Metals for sample(s) 01-10 (L0205782-01, WG115790)				
Mercury, Total	ND	ND	NC	mg/kg

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0205834

Parameter	% Recovery
Total Metals LCS for sample(s) 01-10 (WG115622)	
Arsenic, Total	100
Barium, Total	95
Cadmium, Total	98
Chromium, Total	98
Copper, Total	94
Lead, Total	98
Nickel, Total	95
Selenium, Total	102
Silver, Total	92
Zinc, Total	100
Total Metals LCS for sample(s) 01-10 (WG115790)	
Mercury, Total	88
Total Metals SPIKE for sample(s) 01-10 (L0205834-10, WG115622)	
Arsenic, Total	101
Barium, Total	98
Cadmium, Total	113
Chromium, Total	206
Copper, Total	578
Lead, Total	40
Nickel, Total	206
Selenium, Total	110
Silver, Total	104
Zinc, Total	371
Total Metals SPIKE for sample(s) 01-10 (L0205782-01, WG115790)	
Mercury, Total	110

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0205834

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-10								
Total Metals				1	3051			
Arsenic, Total	ND	mg/kg	0.40	1	6010B	0614 12:45	0617 10:26	MG
Barium, Total	ND	mg/kg	0.40	1	6010B	0614 12:45	0617 10:26	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	0614 12:45	0617 10:26	MG
Chromium, Total	ND	mg/kg	0.40	1	6010B	0614 12:45	0617 10:26	MG
Copper, Total	ND	mg/kg	0.40	1	6010B	0614 12:45	0617 10:26	MG
Lead, Total	ND	mg/kg	2.0	1	6010B	0614 12:45	0617 10:26	MG
Nickel, Total	ND	mg/kg	1.0	1	6010B	0614 12:45	0617 10:26	MG
Selenium, Total	ND	mg/kg	0.80	1	6010B	0614 12:45	0617 10:26	MG
Silver, Total	ND	mg/kg	0.40	1	6010B	0614 12:45	0617 10:26	MG
Zinc, Total	ND	mg/kg	2.0	1	6010B	0614 12:45	0617 10:26	MG
Blank Analysis for sample(s) 01-10								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0618 14:50	0619 09:53	DM

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

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We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: F1-00002202.00

Site: PURE ETCH

Laboratory Job Number: L0206786

Invoice Number: 65792

Date Received: 11-JUL-02

Date Reported: 19-JUL-02

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0206786-01	PE110-CM2	THOMASTON, CT
L0206786-02	PE112-ACS	THOMASTON, CT
L0206786-03	PE118-SC3	THOMASTON, CT
L0206786-04	PE124-L6	THOMASTON, CT
L0206786-05	PE128-N16	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean

Scott McLean - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0206786

Alpha Report L0206786:

TCLP Metals

The matrix spike percent recovery for the analysis of Silver associated with Alpha Sample(s) L0206786-03 is outside the in-house acceptance criteria for the method. A post analytical spike was performed with an acceptable recovery of 101%.

Due to limited sample volume, Alpha Samples L0206786-01, -02, -04, and -05 were analyzed using a modified method.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0206786-01
PE110-CM2
Sample Matrix: SOIL

Date Collected: 30-MAY-2002 14:45
Date Received : 11-JUL-2002
Date Reported : 19-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Reactive	ND	mg/kg	0.25	1	7.3		0712 16:00	JT
Sulfide, Reactive	ND	mg/kg	0.50	1	7.3		0712 16:00	JT
TCLP Metals								
TCLP Extraction				1	1311	0716 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	0717 12:45	0717 13:57	RW
Barium, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 13:57	RW
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	0717 12:45	0717 13:57	RW
Chromium, TCLP	0.64	mg/l	0.20	1	6010B	0717 12:45	0717 13:57	RW
Lead, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 13:57	RW
Mercury, TCLP	ND	mg/l	0.005	1	7470A	0717 18:00	0718 10:37	AG
Selenium, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 13:57	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	0717 12:45	0717 13:57	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0206786-02
PE112-ACS
Sample Matrix: SOIL

Date Collected: 30-MAY-2002 15:05
Date Received : 11-JUL-2002
Date Reported : 19-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Reactive	ND	mg/kg	0.25	1	7.3		0712 16:00	JT
Sulfide, Reactive	ND	mg/kg	0.50	1	7.3		0712 16:00	JT
TCLP Metals								
TCLP Extraction				1	1311	0716 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	0717 12:45	0717 14:00	RW
Barium, TCLP	1.0	mg/l	0.50	1	6010B	0717 12:45	0717 14:00	RW
Cadmium, TCLP	0.42	mg/l	0.10	1	6010B	0717 12:45	0717 14:00	RW
Chromium, TCLP	3.2	mg/l	0.20	1	6010B	0717 12:45	0717 14:00	RW
Lead, TCLP	0.50	mg/l	0.50	1	6010B	0717 12:45	0717 14:00	RW
Mercury, TCLP	ND	mg/l	0.005	1	7470A	0717 18:00	0718 10:41	AG
Selenium, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 14:00	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	0717 12:45	0717 14:00	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0206786-03
PE118-SC3
Sample Matrix: SOIL

Date Collected: 04-JUN-2002 10:55
Date Received : 11-JUL-2002
Date Reported : 19-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Reactive	ND	mg/kg	0.22	1	7.3		0712 16:00	JT
Sulfide, Reactive	ND	mg/kg	0.45	1	7.3		0712 16:00	JT
TCLP Metals								
TCLP Extraction				1	1311	0715 17:30		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	0716 13:15	0717 10:18	MG
Barium, TCLP	1.3	mg/l	0.50	1	6010B	0716 13:15	0717 10:18	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	0716 13:15	0717 10:18	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	0716 13:15	0717 10:18	MG
Lead, TCLP	1.1	mg/l	0.50	1	6010B	0716 13:15	0717 10:18	MG
Mercury, TCLP	ND	mg/l	0.005	1	7470A	0716 15:30	0717 11:24	AG
Selenium, TCLP	ND	mg/l	0.50	1	6010B	0716 13:15	0717 10:18	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	0716 13:15	0717 10:18	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0206786-04
PE124-L6
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:25
Date Received : 11-JUL-2002
Date Reported : 19-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Reactive	ND	mg/kg	0.25	1	7.3		0712 16:00	JT
Sulfide, Reactive	ND	mg/kg	0.50	1	7.3		0712 16:00	JT
TCLP Metals								
TCLP Extraction				1	1311	0716 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	0717 12:45	0717 14:07	RW
Barium, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 14:07	RW
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	0717 12:45	0717 14:07	RW
Chromium, TCLP	ND	mg/l	0.20	1	6010B	0717 12:45	0717 14:07	RW
Lead, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 14:07	RW
Mercury, TCLP	ND	mg/l	0.005	1	7470A	0717 18:00	0718 10:44	AG
Selenium, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 14:07	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	0717 12:45	0717 14:07	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0206786-05
PE128-N16
Sample Matrix: SOIL

Date Collected: 13-JUN-2002 12:40
Date Received : 11-JUL-2002
Date Reported : 19-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Reactive	ND	mg/kg	0.25	1	7.3		0712 16:00	JT
Sulfide, Reactive	ND	mg/kg	0.50	1	7.3		0712 16:00	JT
TCLP Metals								
TCLP Extraction				1	1311	0716 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	0717 12:45	0717 14:15	RW
Barium, TCLP	0.78	mg/l	0.50	1	6010B	0717 12:45	0717 14:15	RW
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	0717 12:45	0717 14:15	RW
Chromium, TCLP	ND	mg/l	0.20	1	6010B	0717 12:45	0717 14:15	RW
Lead, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 14:15	RW
Mercury, TCLP	ND	mg/l	0.005	1	7470A	0717 18:00	0718 10:46	AG
Selenium, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 14:15	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	0717 12:45	0717 14:15	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0206786

Parameter	Value 1	Value 2	RPD	Units
Cyanide, Reactive for sample(s) 01-05 (L0206786-05, WG117329)				
Cyanide, Reactive	ND	ND	NC	mg/kg
Sulfide, Reactive for sample(s) 01-05 (L0206786-05, WG117328)				
Sulfide, Reactive	ND	ND	NC	mg/kg
TCLP Metals for sample(s) 03 (L0206883-01, WG117610)				
Arsenic, TCLP	ND	ND	NC	mg/l
Lead, TCLP	ND	ND	NC	mg/l
TCLP Metals for sample(s) 01-02,04-05 (L0206786-02, WG117653)				
Arsenic, TCLP	ND	ND	NC	mg/l
Barium, TCLP	1.0	1.0	0	mg/l
Cadmium, TCLP	0.42	0.44	5	mg/l
Chromium, TCLP	3.2	3.3	3	mg/l
Lead, TCLP	0.50	0.54	8	mg/l
Selenium, TCLP	ND	ND	NC	mg/l
Silver, TCLP	ND	ND	NC	mg/l
TCLP Metals for sample(s) 03 (L0206786-03, WG117564)				
Mercury, TCLP	ND	ND	NC	mg/l
TCLP Metals for sample(s) 01-02,04-05 (L0206786-01, WG117685)				
Mercury, TCLP	ND	ND	NC	mg/l

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0206786

Parameter	% Recovery
Sulfide, Reactive LCS for sample(s) 01-05 (WG117328)	
Sulfide, Reactive	101
TCLP Metals LCS for sample(s) 03 (WG117610)	
Arsenic, TCLP	107
Barium, TCLP	92
Cadmium, TCLP	95
Chromium, TCLP	92
Lead, TCLP	99
Selenium, TCLP	104
Silver, TCLP	93
TCLP Metals LCS for sample(s) 01-02,04-05 (WG117653)	
Arsenic, TCLP	100
Barium, TCLP	100
Cadmium, TCLP	99
Chromium, TCLP	100
Lead, TCLP	100
Selenium, TCLP	105
Silver, TCLP	110
TCLP Metals LCS for sample(s) 03 (WG117564)	
Mercury, TCLP	97
TCLP Metals LCS for sample(s) 01-02,04-05 (WG117685)	
Mercury, TCLP	107
TCLP Metals SPIKE for sample(s) 03 (L0206883-02, WG117610)	
Arsenic, TCLP	98
Barium, TCLP	92
Cadmium, TCLP	95
Chromium, TCLP	92
Lead, TCLP	93
Selenium, TCLP	99
Silver, TCLP	51
TCLP Metals SPIKE for sample(s) 01-02,04-05 (L0206786-04, WG117653)	
Arsenic, TCLP	100
Barium, TCLP	100
Cadmium, TCLP	100
Chromium, TCLP	100
Lead, TCLP	100
Selenium, TCLP	105
Silver, TCLP	110
TCLP Metals SPIKE for sample(s) 03 (L0206752-01, WG117564)	
Mercury, TCLP	118

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0206786

Continued

Parameter	% Recovery
TCLP Metals SPIKE for sample(s) 01-02,04-05 (L0206786-02, WG117685)	
Mercury, TCLP	118

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0206786

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05								
Cyanide, Reactive	ND	mg/kg	0.25	1	7.3		0712 16:00	JT
Blank Analysis for sample(s) 01-05								
Sulfide, Reactive	ND	mg/kg	0.50	1	7.3		0712 16:00	JT
Blank Analysis for sample(s) 03								
TCLP Metals								
TCLP Extraction				1	1311	0715 17:30		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	0716 13:15	0717 08:42	MG
Barium, TCLP	ND	mg/l	0.50	1	6010B	0716 13:15	0717 08:42	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	0716 13:15	0717 08:42	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	0716 13:15	0717 08:42	MG
Lead, TCLP	ND	mg/l	0.50	1	6010B	0716 13:15	0717 08:42	MG
Selenium, TCLP	ND	mg/l	0.50	1	6010B	0716 13:15	0717 08:42	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	0716 13:15	0717 08:42	MG
Blank Analysis for sample(s) 01-02,04-05								
TCLP Metals								
TCLP Extraction				1	1311	0716 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	0717 12:45	0717 13:48	RW
Barium, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 13:48	RW
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	0717 12:45	0717 13:48	RW
Chromium, TCLP	ND	mg/l	0.20	1	6010B	0717 12:45	0717 13:48	RW
Lead, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 13:48	RW
Selenium, TCLP	ND	mg/l	0.50	1	6010B	0717 12:45	0717 13:48	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	0717 12:45	0717 13:48	RW
Blank Analysis for sample(s) 03								
TCLP Metals								
TCLP Extraction				1	1311	0715 17:30		
Mercury, TCLP	ND	mg/l	0.005	1	7470A	0716 15:30	0717 11:20	AG
Blank Analysis for sample(s) 01-02,04-05								
TCLP Metals								
TCLP Extraction				1	1311	0716 17:00		
Mercury, TCLP	ND	mg/l	0.005	1	7470A	0717 18:00	0718 10:33	AG

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE_____ OF_____

Date Rec'd in Lab: 7/11/02

ALPHA Job #: L0206786

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS-CT-M

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch

Project Location: Thomaston, CT

Project #: FI-00002202.00

Project Manager:

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 7/18/02 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: _____

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Relog of L0205316-01,05, L0205411-08
L0205834-02,06

ANALYSIS: TCLP, RCRA 8, React

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP	RCRA 8	React	Sample Specific Comments	TOTAL # BOTTLES
6786.1	PE110-CM2	5/30	1445			X	X			
.2	PE112-ACS	"	1505			X	X			
.3	PE118-SC3	6/4	1055			X	X			
.4	PE124-L6	6/13	1225			X	X			
.5	PE128-N16	"	1240			X	X			

Shaded Gray Areas For Lab Use Only

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
		Denise Fedewich	7/11/02 21:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 1 OF 1

DATE Rec'd in Lab: [illegible]

ALPHA Job # L3053/6

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr Ste 3B
Rocky Hill CT 06067
Phone: (860) 529-8882
Fax: (860) 529-3991
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch
Project Location: Thomaston, CT
Project #: FI-00002202.01
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 6/4/02 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: _____
Report to: (if different than Project Manager) _____

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

total mass

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA 8 (total)	Cu Ni Zn													Sample Specific Comments	TOTAL # BOTTLES
[illegible]	PE110-CM2	5/30/02	1445	FS	CAM	X	X														
	PE109-CM1		1450			X	X														
	PE111-ALS		1455			X	X														
	PE113-FP		1500			X	X														
	PE112-ACS		1505			X	X														
	PE114-CS		1510			X	X														
	PE115-ACL	5/31/02	0810	FS	CAM	X	X														
	Container Type					G	G														
	Preservative					A	A														

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Shaded Areas For Lab Use Only

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mahoney	5/31/02/1200	L Edmonds	5/31/02 1200
L Edmonds		Denise Laduke	5/31/02 1230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to this Payment Terms and Conditions.

Form No: 02-02 STD

ALPHA Analytical Laboratories, Inc.

Eight Walkup Drive Westborough, MA 01581
PH: 508.898.9220 FAX: 508.898.9193 www.alphalab.com

CHAIN OF CUSTODY

№ 19530

Sheet 1 of 1

ALPHA Job #: L0206

Date Rec'd in Lab: 6/4/02

Date Due: 6/11/02

Client Name: URS Corporation
Client Address: 500 Enterprise Dr, Ste 3B
Rocky Hill, CT 06067
Phone #: 860-529-8882 FAX #: 860-529-3991

Project Name: Pure-Etch
Project Location: Thomaston, CT
Project #: FI-00002202.00
Project Manager: Gary Alicandro

Report To: Gary Alicandro
Bill To: URS RH CT
PO#:

- [x] Standard TAT
- [ ] RUSH TAT_____ (# days)
- [ ] FAX Results
- [ ] State Forms
- [ ] SMART Report

Comments: (Please note specific method, detection limit or reporting requirements.)
HAZARDOUS WASTE CLOSURE

ANALYSIS REQUEST

ALPHA Lab #	Sample ID	Matrix/Source *	Sampling Date	Sampling Time	Sampler's Initials	Solubles: Field Filtered? (Y/N)	RCRA 8 (TOTAL MASS)	Cu, Ni, Zn (TOTAL MASS)	pH (RCRA Corr.)							
	PE118-SC3 (water)	BS	6/4/02	1055	CAM	N	X	X	X							
	PE122-T15	TW	6/4/02	1130	CAM	N	X	X	X							
	PE116-SC1	BS	6/4/02	1220	CAM	N	X	X	X							
	PE121-SC6	BS	6/4/02	1230	CAM	N	X	X	X							
	PE117-SC2	BS	6/4/02	1325	CAM	N	X	X	X							
	PE120-SC5	BS	6/4/02	1335	CAM	N	X	X	X							
	PE119-SC4	BS	6/4/02	1350	CAM	N	X	X	X							
	PE118-SC3 (Soil)		6/4/02	10:55			X	X	X							

# of Containers:	7	—	—											
Container Type: *	G													
Preservative: *	A													

Transfers Relinquished By:	Transfers Accepted By:	Date	Time
Christine Mathews	Christine Mathews	6/4/02	1415
Christine Mathews	Christine Mathews	6/4/02	1440
Christine Mathews	Christine Mathews	6/4/02	1915

All samples submitted are subject to Alpha's standard Terms and Conditions.

* See Reverse side for Matrix, Container, and Preservative Codes.

Form No.: 01-01

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA Job #: [illegible]

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Drive, Ste 3B
Rocky Hill CT 06067
Phone: (860) 529-8882
Fax: (860) 529-3991
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch
Project Location: Thomaston CT
Project #: FT00002202.00
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/20/02 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA8 (Total) Mn, Zn (Total) Mass											Sample Specific Comments	TOTAL # BOTTLES
	PE123-H6	6/13/02	1222	SS	CAM	X												1
	PE124-L6		1225			X												1
	PE125-P9		1229			X												1
	PE126-R12		1231			X												1
	PE127-R18		1235			X												1
	PE128-N16		1240			X												1
	PE129-D17		1244			X												1
	PE130-D15		1248			X												1
	PE131-E11		1251			X												1
	PE132-G9		1255			X												1

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	G																	
Preservative	A																	

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mattarly	6/13/02 1350	[illegible]	6/13/02 1:[illegible]
[illegible]	6/13/02	[illegible]	6/13/02 17:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 02-02 STD

URS

500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067
860-529-8882 Fax 860-529-3991

Memorandum

Date: 10-Jul.-02

To: Pete Henrickson
ALPHA ANALYTICAL LABS, Westborough, MA

From: Gary Alicandro
URS CORPORATION, Rocky Hill, CT

Site: ***PURE-ETCH COMPANY OF CONNECTICUT, Inc. (Thomaston, CT)***

Project: ***CT DEP/EPA Hazardous Waste Facility Closure***

Phase: ***Additional Laboratory Analyses : Chain-of-Custody Records***

URS Proj. ***#F1-00002202.00 Task 20001***

Pete:

Attached are copies of cover sheets of laboratory reports and requested additional analyses. Chain-of-custody records with specified analyses are noted. These include:

ALPHA SAMPLE NUMBER	URS IDENTIFICATION	REQUESTED ANALYSES
L0205411-08	PE118-SC3 (soil)	RCRA TCLP Metals, Reactivity
L0205316-01	PE110-CM2	RCRA TCLP Metals, Reactivity
L0205316-05	PE112-ACS	RCRA TCLP Metals, Reactivity
L0205834-02	PE124-L6	RCRA TCLP Metals, Reactivity
L0205834-06	PE128-N16	RCRA TCLP Metals, Reactivity

Call me if you have any questions.

Gary P. Alicandro, CHMM, LSP, LEP
Sr. Project Manager
URS Corporation AES

gary_alicandro @ urscorp.com
Mobile: 413.427.6593
860-529-8882, ext. 321

ALPHA ANALYTICAL LABORATORIES

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Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

RECEIVED BY
JUN 10 2002
URS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army/USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive
Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: F1-00002202.01

Site: PURE ETCH

Laboratory Job Number: L0205316

Invoice Number: 64167

Date Received: 31-MAY-02

Date Reported: 06-JUN-02

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION		SAMPLE LOCATION
✓ L0205316-01	PE110-CM2	7/9/02 MW	THOMASTON, CT
L0205316-02	PE109-CM1		THOMASTON, CT
L0205316-03	PE111-ALS		THOMASTON, CT
L0205316-04	PE113-FP		THOMASTON, CT
✓ L0205316-05	PE112-ACS	7/9/02	THOMASTON, CT
L0205316-06	PE114-CS		THOMASTON, CT
L0205316-07	PE115-ACL		THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: James R. Roth, PhD

James R. Roth, PhD - Technical Director
This document electronically signed

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 5/31/02

ALPHA Job #: L0205316

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr Ste 3B
Rocky Hill CT 06067
Phone: (860) 529-8882
Fax: (860) 529-3991
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch
Project Location: Thomaston, CT
Project #: FI-00002202.01
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 6/4/02 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: _____
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

total mass

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA 8 (total)	Cu, Ni, Zn	RCRA TCLP metals	Reactivity (S, CN)	Total # Bottles	Sample Specific Comments
5316.1	PE110-CM2	5/30/02	1445	FS	CAM	X	X	●	●		MRC 7/9/02
.2	PE109-CM1		1450			X	X				
.3	PE111-ALS		1455			X	X				
.4	PE113-FP		1500			X	X				
.5	PE112-ACS		1505			X	X	●	●		MRC 7/9/02
.6	PE114-CS		1510			X	X				URS RH
.7	PE115-ACL	5/31/02	0810	FS	CAM	X	X				
	Shaded Gray Areas For Lab Use Only				Container Type	G	G				
					Preservative	A	A				

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mahoney	5/31/02 1200	L Edmonds	5/31/02 1200
L Edmonds		Denise Laduke	5/31/02 1730

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time will not start until any ambiguities are resolved. All samples are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

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Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: F1-00002202.00

Site: PURE ETCH

Laboratory Job Number: L0205834

Invoice Number: 64803

Date Received: 13-JUN-02

Date Reported: 20-JUN-02

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION		SAMPLE LOCATION
L0205834-01	PE123-H6		THOMASTON, CT
✓ L0205834-02	PE124-L6	7/9/02	THOMASTON, CT
L0205834-03	PE125-P9		THOMASTON, CT
L0205834-04	PE126-R12		THOMASTON, CT
L0205834-05	PE127-R18		THOMASTON, CT
✓ L0205834-06	PE128-N16	7/9/02	THOMASTON, CT
L0205834-07	PE129-D17		THOMASTON, CT
L0205834-08	PE130-D15		THOMASTON, CT
L0205834-09	PE131-E11		THOMASTON, CT
L0205834-10	PE132-G9		THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: James R. Roth, PhD

James R. Roth, PhD - Technical Director
This document electronically signed

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/13/02

ALPHA Job #: L0205839

ALPHA Laboratories
Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Drive, Ste 3B
Rocky Hill CT 06067
Phone: (860) 529-8882
Fax: (860) 529-3991
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch
Project Location: Thomaston CT
Project #: FI-00002202.00
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/20/02 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: RCRA 8 (+Cu, Ni, Zn) (total) MASS	RCRA TCLP metals	RCRA Reactivity (S, CN)	Sample Specific Comments	Total # Bottles
5834.1	PE123-H6	6/13/02	1222	SS	CAM	X				1
.2	PE124-L6		1225			X	●	●	URS RH 7-9-02	1
.3	PE125-P9		1229			X				1
.4	PE126-R12		1231			X				1
.5	PE127-R18		1235			X				1
.6	PE128-N16		1240			X	●	●	URS RH 7-9-02	1
.7	PE129-D17		1244			X				1
.8	PE130-D15		1248			X				1
.9	PE131-E11		1251			X				1
.10	PE132-G9		1255			X				1

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Shaded Grey Areas For Lab Use Only

Container Type	A														
Preservative	A														

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mathieu	6/13/02 1350	[illegible]	6/13/02 1:25
[illegible]	6/13/02	[illegible]	17:20

Form No: 02-02 STD

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(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive
Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: F1-00002202.00

Site: PURE-ETCH

Laboratory Job Number: L0205411

Invoice Number: 64410

Date Received: 04-JUN-02

Date Reported: 11-JUN-02

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0205411-01	PE118-SC3 (WATER)	THOMASTON, CT
L0205411-02	PE122-T15	THOMASTON, CT
L0205411-03	PE116-SC1	THOMASTON, CT
L0205411-04	PE121-SC6	THOMASTON, CT
L0205411-05	PE117-SC2	THOMASTON, CT
L0205411-06	PE120-SC5	THOMASTON, CT
L0205411-07	PE119-SC4	THOMASTON, CT
✓ L0205411-08	PE118-SC3 (SOIL) 7/9/02	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean

Scott McLean - Technical Director
This document electronically signed

ALPHA Analytical Laboratories, Inc.

Eight Walkup Drive Westborough, MA 01581
PH: 508.898.9220 FAX: 508.898.9193 www.alphalab.com

CHAIN OF CUSTODY

№ 19530

Sheet 1 of 1

ALPHA Job #: L0205411

Date Rec'd in Lab: 6/4/02

Date Due: 6/11/02

Client Name: URS Corporation
Client Address: 500 Enterprise Dr, Ste 3B
Rocky Hill, CT 06067
Phone #: 860-529-8882 FAX #: 860-529-3991

Project Name: Pure-Etch
Project Location: Thomaston, CT
Project #: FI-00002202.00
Project Manager: Gary Alicandro

Report To: Gary Alicandro
Bill To: URS RH CT
PO#:

☑ Standard TAT
☐ RUSH TAT____ (# days)
☐ FAX Results
☐ State Forms
☐ SMART Report

Comments: (Please note specific method, detection limit or reporting requirements.)
HAZARDOUS WASTE CLOSURE

ANALYSIS REQUEST

ALPHA Lab #	Sample ID	Matrix/Source *	Sampling Date	Sampling Time	Sampler's Initials	Solubles: Field Filtered? (Y/N)	RCRA 8 (TOTAL MASS)	Cu, Ni, Zn (TOTAL MASS)	pH (RCRA Corr.)		RCRA TCLP METALS	RCRA REACTIVITY	(S, CN)			
9411.1	PE118-SC3 (water)	BS	6/4/02	1055	CAM	N	X	X	X							
.2	PE122-T15	TW	6/4/02	1130	CAM	N	X	X	X							
.3	PE116-SC1	BS	6/4/02	1220	CAM	N	X	X	X							
.4	PE121-SC6	BS	6/4/02	1230	CAM	N	X	X	X							
.5	PE117-SC2	BS	6/4/02	1325	CAM	N	X	X	X							
.6	PE120-SC5	BS	6/4/02	1335	CAM	N	X	X	X							
.7	PE119-SC4	BS	6/4/02	1350	CAM	N	X	X	X							
.8	PE118-SC3 (Soil)		6/4/02	10:55			X	X	X		●	●				
# of Containers:							7	—								
Container Type: *							G									
Preservative: *							A									

Transfers Accepted By:	Date	Time
[signature]	6/4/02	1415
[signature]	6/4/02	1440
[signature]	6/4/02	1915

Transfers Relinquished By:	Date	Time
[signature]		
[signature]		
[signature]		

URS RH 7/9/02

All samples submitted are subject to Alpha's standard Terms and Conditions.

* See Reverse side for Matrix, Container, and Preservative Codes.

Form No.: 01-01

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: F1-00002202.00

Site:

Laboratory Job Number: L0207260

Invoice Number: 66333

Date Received: 24-JUL-02

Date Reported: 31-JUL-02

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0207260-01	PE201-CHWT1	
L0207260-02	PE202-NK1	
L0207260-03	PE203-SR1	
L0207260-04	PE204-ER1	
L0207260-05	PE205-CR1	
L0207260-06	PE206-CH	
L0207260-07	TRIP BLANK - 072302	
L0207260-08	PE207-NK1	
L0207260-09	PE208-CR1	
L0207260-10	PE209-CR1D	
L0207260-11	PE210-ER1	
L0207260-12	PE211-SR1	
L0207260-13	PE212-PIPES	
L0207260-14	PE213-	

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean

Scott McLean - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0207260

Alpha Report L0207260:

Sample Receipt

The analysis of pH was received with the method required holding time exceeded and was analyzed at the client's request.

The analysis of Total Iron was added to Alpha Sample L0207260-06 at the client's request.

Total Metals

The matrix spike percent recovery for the analysis of Iron associated with Alpha Samples L0207260-01 through -06 is invalid because the sample concentration is greater than four times the spike amount added.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-01
PE201-CHWT1
Sample Matrix: WATER

Date Collected: 22-JUL-2002 16:00
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Plastic,4-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	4	335.2	0725 17:00	0726 13:56	ED
pH	7.3	SU	-	4	150.1		0724 17:35	DP
Total Organic Carbon	1.5	mg/l	0.50	4	415.1		0725 13:51	DD
Total Metals				19	200.7			
Arsenic, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:40	RW
Barium, Total	0.04	mg/l	0.01	19	200.7	0725 08:10	0726 15:40	RW
Cadmium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:40	RW
Chromium, Total	ND	mg/l	0.01	19	200.7	0725 08:10	0726 15:40	RW
Copper, Total	0.01	mg/l	0.01	19	200.7	0725 08:10	0726 15:40	RW
Lead, Total	ND	mg/l	0.050	19	200.7	0725 08:10	0726 15:40	RW
Mercury, Total	ND	mg/l	0.0005	4	245.2	0729 11:30	0730 10:31	DM
Nickel, Total	ND	mg/l	0.025	19	200.7	0725 08:10	0726 15:40	RW
Selenium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:40	RW
Silver, Total	ND	mg/l	0.010	19	200.7	0725 08:10	0726 15:40	RW
Zinc, Total	ND	mg/l	0.05	19	200.7	0725 08:10	0726 15:40	RW
Volatile Organics by GC/MS 8260				1	8260B		0728 15:58	AR
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	18.	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	3.8	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	4.2	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-01
PE201-CHWT1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 15:58	AR
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	1.5	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	79.	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-01
PE201-CHWT1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 15:58	AR
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	111.	%						
Toluene-d8	104.	%						
4-Bromofluorobenzene	101.	%						
Dibromofluoromethane	105.	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-02
PE202-NK1
Sample Matrix: WATER

Date Collected: 22-JUL-2002 16:00
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Plastic,4-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	4	335.2	0725 17:00	0726 13:57	ED
pH	7.0	SU	-	4	150.1		0724 17:35	DP
Total Organic Carbon	9.5	mg/l	1.0	4	415.1		0725 13:51	DD
Total Metals				19	200.7			
Arsenic, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:48	RW
Barium, Total	0.11	mg/l	0.01	19	200.7	0725 08:10	0726 15:48	RW
Cadmium, Total	0.008	mg/l	0.005	19	200.7	0725 08:10	0726 15:48	RW
Chromium, Total	0.05	mg/l	0.01	19	200.7	0725 08:10	0726 15:48	RW
Copper, Total	0.15	mg/l	0.01	19	200.7	0725 08:10	0726 15:48	RW
Lead, Total	0.061	mg/l	0.050	19	200.7	0725 08:10	0726 15:48	RW
Mercury, Total	ND	mg/l	0.0005	4	245.2	0729 11:30	0730 10:33	DM
Nickel, Total	0.066	mg/l	0.025	19	200.7	0725 08:10	0726 15:48	RW
Selenium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:48	RW
Silver, Total	ND	mg/l	0.010	19	200.7	0725 08:10	0726 15:48	RW
Zinc, Total	1.2	mg/l	0.05	19	200.7	0725 08:10	0726 15:48	RW
Volatile Organics by GC/MS 8260				1	8260B		0728 16:37	AR
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	1.0	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-02
PE202-NK1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 16:37	AR
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	3.5	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	2.7	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-02
PE202-NK1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 16:37	AR
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	109.	%						
Toluene-d8	100.	%						
4-Bromofluorobenzene	100.	%						
Dibromofluoromethane	105.	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-03
PE203-SR1
Sample Matrix: WATER

Date Collected: 22-JUL-2002 16:00
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Plastic,4-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	4	335.2	0725 17:00	0726 14:02	ED
pH	7.1	SU	-	4	150.1		0724 17:35	DP
Total Organic Carbon	5.7	mg/l	1.0	4	415.1		0725 13:51	DD
Total Metals				19	200.7			
Arsenic, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:55	RW
Barium, Total	0.06	mg/l	0.01	19	200.7	0725 08:10	0726 15:55	RW
Cadmium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:55	RW
Chromium, Total	0.01	mg/l	0.01	19	200.7	0725 08:10	0726 15:55	RW
Copper, Total	0.05	mg/l	0.01	19	200.7	0725 08:10	0726 15:55	RW
Lead, Total	ND	mg/l	0.050	19	200.7	0725 08:10	0726 15:55	RW
Mercury, Total	ND	mg/l	0.0005	4	245.2	0729 11:30	0730 10:35	DM
Nickel, Total	ND	mg/l	0.025	19	200.7	0725 08:10	0726 15:55	RW
Selenium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:55	RW
Silver, Total	ND	mg/l	0.010	19	200.7	0725 08:10	0726 15:55	RW
Zinc, Total	0.33	mg/l	0.05	19	200.7	0725 08:10	0726 15:55	RW
Volatile Organics by GC/MS 8260				1	8260B		0728 17:16	AR
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	1.2	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-03
PE203-SR1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 17:16	AR
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	5.6	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-03
PE203-SR1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 17:16	AR
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	107.	%						
Toluene-d8	96.0	%						
4-Bromofluorobenzene	100.	%						
Dibromofluoromethane	108.	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-04
PE204-ER1
Sample Matrix: WATER

Date Collected: 22-JUL-2002 16:00
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Plastic,4-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	4	335.2	0725 17:00	0726 14:03	ED
pH	7.0	SU	-	4	150.1		0724 17:35	DP
Total Organic Carbon	6.8	mg/l	1.0	4	415.1		0725 13:51	DD
Total Metals				19	200.7			
Arsenic, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:59	RW
Barium, Total	0.13	mg/l	0.01	19	200.7	0725 08:10	0726 15:59	RW
Cadmium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:59	RW
Chromium, Total	0.04	mg/l	0.01	19	200.7	0725 08:10	0726 15:59	RW
Copper, Total	0.17	mg/l	0.01	19	200.7	0725 08:10	0726 15:59	RW
Lead, Total	0.058	mg/l	0.050	19	200.7	0725 08:10	0726 15:59	RW
Mercury, Total	ND	mg/l	0.0005	4	245.2	0729 11:30	0730 10:37	DM
Nickel, Total	0.051	mg/l	0.025	19	200.7	0725 08:10	0726 15:59	RW
Selenium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:59	RW
Silver, Total	ND	mg/l	0.010	19	200.7	0725 08:10	0726 15:59	RW
Zinc, Total	1.0	mg/l	0.05	19	200.7	0725 08:10	0726 15:59	RW
Volatile Organics by GC/MS 8260				1	8260B		0728 17:56	AR
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	1.1	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-04
PE204-ER1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 17:56	AR
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	4.1	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-04
PE204-ER1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 17:56	AR
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	107.	%						
Toluene-d8	92.0	%						
4-Bromofluorobenzene	96.0	%						
Dibromofluoromethane	107.	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-05
PE205-CR1
Sample Matrix: WATER

Date Collected: 22-JUL-2002 16:00
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Plastic,4-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	4	335.2	0725 17:00	0726 14:04	ED
pH	7.0	SU	-	4	150.1		0724 17:35	DP
Total Organic Carbon	6.4	mg/l	1.0	4	415.1		0725 13:51	DD
Total Metals				19	200.7			
Arsenic, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 16:03	RW
Barium, Total	0.07	mg/l	0.01	19	200.7	0725 08:10	0726 16:03	RW
Cadmium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 16:03	RW
Chromium, Total	0.02	mg/l	0.01	19	200.7	0725 08:10	0726 16:03	RW
Copper, Total	0.08	mg/l	0.01	19	200.7	0725 08:10	0726 16:03	RW
Lead, Total	ND	mg/l	0.050	19	200.7	0725 08:10	0726 16:03	RW
Mercury, Total	ND	mg/l	0.0005	4	245.2	0729 11:30	0730 10:39	DM
Nickel, Total	0.030	mg/l	0.025	19	200.7	0725 08:10	0726 16:03	RW
Selenium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 16:03	RW
Silver, Total	ND	mg/l	0.010	19	200.7	0725 08:10	0726 16:03	RW
Zinc, Total	0.47	mg/l	0.05	19	200.7	0725 08:10	0726 16:03	RW
Volatile Organics by GC/MS 8260				1	8260B		0728 18:35	AR
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	1.3	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-05
PE205-CR1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 18:35	AR
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	6.3	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-05
PE205-CR1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 18:35	AR
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	105.	%						
Toluene-d8	96.0	%						
4-Bromofluorobenzene	101.	%						
Dibromofluoromethane	108.	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-06
PE206-CH
Sample Matrix: WATER

Date Collected: 23-JUL-2002 12:00
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Plastic,4-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	4	335.2	0725 17:00	0726 13:58	ED
pH	6.8	SU	-	4	150.1		0724 17:35	DP
Total Organic Carbon	17.	mg/l	1.0	4	415.1		0725 13:51	DD
Total Metals				19	200.7			
Arsenic, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 16:06	RW
Barium, Total	0.07	mg/l	0.01	19	200.7	0725 08:10	0726 16:06	RW
Cadmium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 16:06	RW
Chromium, Total	0.03	mg/l	0.01	19	200.7	0725 08:10	0726 16:06	RW
Copper, Total	0.13	mg/l	0.01	19	200.7	0725 08:10	0726 16:06	RW
Iron, Total	2.9	mg/l	0.05	19	200.7	0725 08:10	0726 16:06	RW
Lead, Total	ND	mg/l	0.050	19	200.7	0725 08:10	0726 16:06	RW
Mercury, Total	ND	mg/l	0.0005	4	245.2	0729 11:30	0730 10:44	DM
Nickel, Total	0.054	mg/l	0.025	19	200.7	0725 08:10	0726 16:06	RW
Selenium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 16:06	RW
Silver, Total	ND	mg/l	0.010	19	200.7	0725 08:10	0726 16:06	RW
Zinc, Total	0.87	mg/l	0.05	19	200.7	0725 08:10	0726 16:06	RW
Volatile Organics by GC/MS 8260				1	8260B		0728 19:13	AR
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	1.3	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-06
PE206-CH

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 19:13	AR
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	3.0	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	3.8	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	21.	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-06
PE206-CH

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 19:13	AR
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	106.	%						
Toluene-d8	104.	%						
4-Bromofluorobenzene	99.0	%						
Dibromofluoromethane	108.	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-07
TRIP BLANK - 072302
Sample Matrix: WATER

Date Collected: 22-JUL-2002 09:35
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260				1	8260B		0727 01:59	RY
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0207260-07
TRIP BLANK - 072302

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0727 01:59	RY
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	104.	%						
Toluene-d8	101.	%						
4-Bromofluorobenzene	117.	%						
Dibromofluoromethane	107.	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-08
PE207-NK1
Sample Matrix: WIPE

Date Collected: 23-JUL-2002 12:35
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0729 20:49	0730 11:43	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:44	RW
Barium, Total	40.	ug Abs	0.50	1	6010B	0725 12:45	0726 11:44	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:44	RW
Chromium, Total	1.6	ug Abs	0.50	1	6010B	0725 12:45	0726 11:44	RW
Copper, Total	18.	ug Abs	0.50	1	6010B	0725 12:45	0726 11:44	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0725 12:45	0726 11:44	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0726 15:15	0727 14:22	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0725 12:45	0726 11:44	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0725 12:45	0726 11:44	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:44	RW
Zinc, Total	54.	ug Abs	5.0	1	6010B	0725 12:45	0726 11:44	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-09
PE208-CR1
Sample Matrix: WIPE

Date Collected: 23-JUL-2002 12:40
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0729 20:49	0730 11:36	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:47	RW
Barium, Total	66.	ug Abs	0.50	1	6010B	0725 12:45	0726 11:47	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:47	RW
Chromium, Total	2.0	ug Abs	0.50	1	6010B	0725 12:45	0726 11:47	RW
Copper, Total	4.9	ug Abs	0.50	1	6010B	0725 12:45	0726 11:47	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0725 12:45	0726 11:47	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0726 15:15	0727 14:22	DM
Nickel, Total	1.4	ug Abs	1.2	1	6010B	0725 12:45	0726 11:47	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0725 12:45	0726 11:47	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:47	RW
Zinc, Total	66.	ug Abs	5.0	1	6010B	0725 12:45	0726 11:47	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-10
PE209-CR1D
Sample Matrix: WIPE

Date Collected: 23-JUL-2002 12:40
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0729 20:49	0730 11:36	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:51	RW
Barium, Total	62.	ug Abs	0.50	1	6010B	0725 12:45	0726 11:51	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:51	RW
Chromium, Total	2.2	ug Abs	0.50	1	6010B	0725 12:45	0726 11:51	RW
Copper, Total	6.1	ug Abs	0.50	1	6010B	0725 12:45	0726 11:51	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0725 12:45	0726 11:51	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0726 15:15	0727 14:22	DM
Nickel, Total	1.5	ug Abs	1.2	1	6010B	0725 12:45	0726 11:51	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0725 12:45	0726 11:51	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:51	RW
Zinc, Total	65.	ug Abs	5.0	1	6010B	0725 12:45	0726 11:51	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-11
PE210-ER1
Sample Matrix: WIPE

Date Collected: 23-JUL-2002 12:45
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0729 20:49	0730 11:37	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:06	RW
Barium, Total	34.	ug Abs	0.50	1	6010B	0725 12:45	0726 12:06	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:06	RW
Chromium, Total	1.6	ug Abs	0.50	1	6010B	0725 12:45	0726 12:06	RW
Copper, Total	6.7	ug Abs	0.50	1	6010B	0725 12:45	0726 12:06	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0725 12:45	0726 12:06	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0726 15:15	0727 14:22	DM
Nickel, Total	1.2	ug Abs	1.2	1	6010B	0725 12:45	0726 12:06	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0725 12:45	0726 12:06	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:06	RW
Zinc, Total	42.	ug Abs	5.0	1	6010B	0725 12:45	0726 12:06	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-12
PE211-SR1
Sample Matrix: WIPE

Date Collected: 23-JUL-2002 12:50
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0729 20:49	0730 11:38	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:09	RW
Barium, Total	38.	ug Abs	0.50	1	6010B	0725 12:45	0726 12:09	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:09	RW
Chromium, Total	0.77	ug Abs	0.50	1	6010B	0725 12:45	0726 12:09	RW
Copper, Total	1.3	ug Abs	0.50	1	6010B	0725 12:45	0726 12:09	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0725 12:45	0726 12:09	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0726 15:15	0727 14:22	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0725 12:45	0726 12:09	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0725 12:45	0726 12:09	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:09	RW
Zinc, Total	41.	ug Abs	5.0	1	6010B	0725 12:45	0726 12:09	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-13
PE212-PIPES
Sample Matrix: WIPE

Date Collected: 23-JUL-2002 12:55
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0729 20:49	0730 11:39	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:13	RW
Barium, Total	42.	ug Abs	0.50	1	6010B	0725 12:45	0726 12:13	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:13	RW
Chromium, Total	1.7	ug Abs	0.50	1	6010B	0725 12:45	0726 12:13	RW
Copper, Total	6.4	ug Abs	0.50	1	6010B	0725 12:45	0726 12:13	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0725 12:45	0726 12:13	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0726 15:15	0727 14:22	DM
Nickel, Total	1.6	ug Abs	1.2	1	6010B	0725 12:45	0726 12:13	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0725 12:45	0726 12:13	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:13	RW
Zinc, Total	62.	ug Abs	5.0	1	6010B	0725 12:45	0726 12:13	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L0207260-14
PE213-
Sample Matrix: WIPE

Date Collected: 23-JUL-2002 13:00
Date Received : 24-JUL-2002
Date Reported : 31-JUL-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0729 20:49	0730 11:39	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:17	RW
Barium, Total	49.	ug Abs	0.50	1	6010B	0725 12:45	0726 12:17	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:17	RW
Chromium, Total	0.50	ug Abs	0.50	1	6010B	0725 12:45	0726 12:17	RW
Copper, Total	0.68	ug Abs	0.50	1	6010B	0725 12:45	0726 12:17	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0725 12:45	0726 12:17	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0726 15:15	0727 14:22	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0725 12:45	0726 12:17	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0725 12:45	0726 12:17	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 12:17	RW
Zinc, Total	43.	ug Abs	5.0	1	6010B	0725 12:45	0726 12:17	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0207260

Parameter	Value 1	Value 2	RPD	Units
Cyanide, Total for sample(s) 01-06 (L0207260-06, WG118387)				
Cyanide, Total	ND	ND	NC	mg/l
pH for sample(s) 01-06 (L0207260-01, WG118274)				
pH	7.3	7.3	0	SU
Total Organic Carbon for sample(s) 01-06 (L0207260-01, WG118406)				
Total Organic Carbon	1.5	1.4	7	mg/l
Total Metals for sample(s) 01-06 (L0207260-01, WG118346)				
Arsenic, Total	ND	ND	NC	mg/l
Barium, Total	0.04	0.04	0	mg/l
Cadmium, Total	ND	ND	NC	mg/l
Chromium, Total	ND	ND	NC	mg/l
Copper, Total	0.01	0.01	0	mg/l
Lead, Total	ND	ND	NC	mg/l
Nickel, Total	ND	ND	NC	mg/l
Selenium, Total	ND	ND	NC	mg/l
Silver, Total	ND	ND	NC	mg/l
Zinc, Total	ND	ND	NC	mg/l
Total Metals for sample(s) 01-06 (L0207260-06, WG118645)				
Mercury, Total	ND	ND	NC	mg/l

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0207260

Parameter	% Recovery
Cyanide, Total LCS for sample(s) 01-06 (WG118387)	
Cyanide, Total	102
Cyanide, Total LCS for sample(s) 08-14 (WG118698)	
Cyanide, Total	100
pH LCS for sample(s) 01-06 (WG118274)	
pH	100
Total Organic Carbon LCS for sample(s) 01-06 (WG118406)	
Total Organic Carbon	96
Total Metals LCS for sample(s) 08-14 (WG118361)	
Arsenic, Total	85
Barium, Total	93
Cadmium, Total	98
Chromium, Total	98
Copper, Total	96
Lead, Total	90
Nickel, Total	92
Selenium, Total	83
Silver, Total	84
Zinc, Total	100
Total Metals LCS for sample(s) 01-06 (WG118346)	
Arsenic, Total	103
Barium, Total	100
Cadmium, Total	107
Chromium, Total	100
Copper, Total	104
Iron, Total	100
Lead, Total	106
Nickel, Total	100
Selenium, Total	104
Silver, Total	105
Zinc, Total	104
Total Metals LCS for sample(s) 08-14 (WG118481)	
Mercury, Total	121
Total Metals LCS for sample(s) 01-06 (WG118645)	
Mercury, Total	113
Volatile Organics by GC/MS 8260 LCS for sample(s) 07 (WG118593)	
Chlorobenzene	108
Benzene	113
Toluene	106
1,1-Dichloroethene	106
Trichloroethene	111

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0207260

Continued

Parameter	% Recovery
Volatile Organics by GC/MS 8260 LCS for sample(s) 07 (WG118593)	
Surrogate Recovery	
1,2-Dichloroethane-d4	100
Toluene-d8	104
4-Bromofluorobenzene	99
Dibromofluoromethane	105
Volatile Organics by GC/MS 8260 LCS for sample(s) 01-06 (WG118597)	
Chlorobenzene	96
Benzene	99
Toluene	96
1,1-Dichloroethene	100
Trichloroethene	103
Surrogate Recovery	
1,2-Dichloroethane-d4	102
Toluene-d8	98
4-Bromofluorobenzene	94
Dibromofluoromethane	106
Cyanide, Total SPIKE for sample(s) 01-06 (L0207260-06, WG118387)	
Cyanide, Total	98
Total Organic Carbon SPIKE for sample(s) 01-06 (L0207260-04, WG118406)	
Total Organic Carbon	96
Total Metals SPIKE for sample(s) 01-06 (L0207260-02, WG118346)	
Arsenic, Total	101
Barium, Total	104
Cadmium, Total	102
Chromium, Total	99
Copper, Total	108
Iron, Total	60
Lead, Total	105
Nickel, Total	96
Selenium, Total	103
Silver, Total	106
Zinc, Total	80
Total Metals SPIKE for sample(s) 01-06 (L0207260-06, WG118645)	
Mercury, Total	132

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0207260

Parameter	MS %	MSD %	RPD
Volatile Organics by GC/MS 8260 for sample(s) 07 (L0207216-06, WG118593)			
Chlorobenzene	122	113	8
Benzene	121	111	9
Toluene	115	104	10
1,1-Dichloroethene	115	102	12
Trichloroethene	115	105	9
Volatile Organics by GC/MS 8260 for sample(s) 01-06 (L0207300-03, WG118597)			
Chlorobenzene	94	92	2
Benzene	95	90	6
Toluene	91	90	1
1,1-Dichloroethene	99	91	9
Trichloroethene	94	87	9

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0207260

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
	Blank Analysis for sample(s) 01-06							
Cyanide, Total	ND	mg/l	0.005	4	335.2	0725 17:00	0726 13:31	ED
	Blank Analysis for sample(s) 08-14							
Cyanide, Total	ND	ug/50 ml	0.00	1	9010B	0729 20:49	0730 11:14	ED
	Blank Analysis for sample(s) 01-06							
Total Organic Carbon	ND	mg/l	0.50	4	415.1		0725 13:51	DD
	Blank Analysis for sample(s) 08-14							
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:25	RW
Barium, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:25	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:25	RW
Chromium, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:25	RW
Copper, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:25	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0725 12:45	0726 11:25	RW
Nickel, Total	ND	ug Abs	1.2	1	6010B	0725 12:45	0726 11:25	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0725 12:45	0726 11:25	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0725 12:45	0726 11:25	RW
Zinc, Total	ND	ug Abs	5.0	1	6010B	0725 12:45	0726 11:25	RW
	Blank Analysis for sample(s) 01-06							
Total Metals				19	200.7			
Arsenic, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:24	RW
Barium, Total	ND	mg/l	0.01	19	200.7	0725 08:10	0726 15:24	RW
Cadmium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:24	RW
Chromium, Total	ND	mg/l	0.01	19	200.7	0725 08:10	0726 15:24	RW
Copper, Total	ND	mg/l	0.01	19	200.7	0725 08:10	0726 15:24	RW
Iron, Total	ND	mg/l	0.05	19	200.7	0725 08:10	0726 15:24	RW
Lead, Total	ND	mg/l	0.050	19	200.7	0725 08:10	0726 15:24	RW
Nickel, Total	ND	mg/l	0.025	19	200.7	0725 08:10	0726 15:24	RW
Selenium, Total	ND	mg/l	0.005	19	200.7	0725 08:10	0726 15:24	RW
Silver, Total	ND	mg/l	0.010	19	200.7	0725 08:10	0726 15:24	RW
Zinc, Total	ND	mg/l	0.05	19	200.7	0725 08:10	0726 15:24	RW
	Blank Analysis for sample(s) 08-14							
Total Metals								
Mercury, Total	ND	ug Abs	0.050	1	7471A	0726 15:15	0727 14:22	DM

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0207260

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-06								
Total Metals								
Mercury, Total	ND	mg/l	0.0005	4	245.2	0729 11:30	0730 10:22	DM
Blank Analysis for sample(s) 07								
Volatile Organics by GC/MS 8260				1	8260B		0726 18:08	RY
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0207260

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 07								
Volatile Organics by GC/MS 8260 continued				1	8260B		0726 18:08	RY
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	106.	%						
Toluene-d8	102.	%						
4-Bromofluorobenzene	118.	%						
Dibromofluoromethane	106.	%						
Blank Analysis for sample(s) 01-06								
Volatile Organics by GC/MS 8260				1	8260B		0728 10:38	AR
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0207260

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-06								
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 10:38	AR
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	0.50					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0207260

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-06								
Volatile Organics by GC/MS 8260 continued				1	8260B		0728 10:38	AR
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					
Surrogate Recovery								
1,2-Dichloroethane-d4	105.	%						
Toluene-d8	100.	%						
4-Bromofluorobenzene	101.	%						
Dibromofluoromethane	106.	%						

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

4. Methods for Chemical Analysis of Water and Wastes. EPA 600/4-82-055. 1982.

19. Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, Code of Federal Regulations. July 1, 1999 edition.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 7/24/02

ALPHA Job #: L0207260

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr. Suite 3B Rocky Hill CT 06067
Phone: 800-529-8882
Fax: 860-529-3991
Email: galicandro@urscorp.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure-Etch CT
Project Location: Thomaston, CT
Project #: FI-00002202.00
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: ~~8/7/02~~ 7/31/02 Time:
AR

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: NONE
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
If you have questions pls. contact G. Alicandro or Christine Matherly

ANALYSIS: RCRA 8+Cu,Ni,Zn (Total) (SS); Total CN (335.2/9010B); VOCs (8260B); pH; TOC (415.1)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA 8+Cu,Ni,Zn (Total) (SS)	Total CN (335.2/9010B)	VOCs (8260B)	pH	TOC (415.1)	Sample Specific Comments	Total # Bottles
7260.1	PE201-CHWT1	7/22/02	1600	CW	GA	X	X	X	X	X	Closure Plan	7
2	PE202-NK1	↓	1600	RW	GA	X	X	X	X	X	Amendment No. 1	7
3	PE203-SR1	↓	1600	RW	GA	X	X	X	X	X	Dismantling +	7
4	PE204-ER1	↓	1600	RW	GA	X	X	X	X	X	Removal of Tanks	7
5	PE205-CR1	↓	1600	RW	GA	X	X	X	X	X	NK-1, CR-1, ER-1,	7
6	PE206-CH	7/23/02	1200	WW	CAM	X	X	X	X	X	SR-1 located in	7
7	Trip Blank-072302	7/22/02	0935		LE			X			alkaline Storage	1
											and Processing	
											Area	

Shaded Gray Areas For Lab Use Only

Container Type	P	P	VOA	P	VOA
Preservative	C	E	B	A	D

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Matherly	7/24/02-1248	[illegible]	7/24/02 1:45
[illegible]	7/24/02	A. Rice	7/24/02 15:2[illegible]

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 7/24/02

ALPHA Job #: L0207260

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr. #3B
Rocky Hill CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: galicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure-Etch CT
Project Location: Thomaston, CT
Project #: F1-00002202.00
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: ~~8/7/02~~ 7/31/02 AR Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: NONE
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

ANALYSIS: RCRA8+Cu,Ni,Zn (Total/Mass); Total Cyanide

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA8+Cu,Ni,Zn (Total/Mass)	Total Cyanide	Sample Specific Comments	TOTAL # BOTTLES
7260.8	PE207-NK1	7/23/02	1235	W	GA	X	X	Closure Plan Amendment	2
9	PE208-CR1		1240			X	X	No.1-Dismantling	2
10	PE209-CR1D		1240			X	X	+ Removal of	2
11	PE210-ER1		1245			X	X	Tanks NK-1,	2
12	PE211-SR1		1250			X	X	CR-1, ER-1,	2
13	PE212-PIPES		1255		CAM	X	X	SR-1 located in	2
14	PE213-	7/23/02	1300	W	CAM	X	X	Alkaline Storage	2
								and Processing	
								Area	

Shaded Gray Areas For Lab Use Only

Container Type	A	A
Preservative	C	E

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Metheny	7/24/02 12:45	[illegible]	7/24/02 12:[illegible]
[illegible]	7/24/02	H. Rice	7/24/02 15:2[illegible]

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: 36908301

Site: PURE-ETCH

Laboratory Job Number: L0211540

Date Received: 12-NOV-2002

Date Reported: 19-NOV-2002

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0211540-01	PE301-CM1	THOMASTON, CT
L0211540-02	PE302-NWCP	THOMASTON, CT
L0211540-03	PE303-ALS NKI BERM	THOMASTON, CT
L0211540-04	PE304-ACL	THOMASTON, CT
L0211540-05	PE305-TR2	THOMASTON, CT
L0211540-06	PE306-CM2	THOMASTON, CT
L0211540-07	PE307-CM2	THOMASTON, CT
L0211540-08	PE308-CM1	THOMASTON, CT
L0211540-09	PE309-CM1	THOMASTON, CT
L0211540-10	PE310-ALSSR	THOMASTON, CT
L0211540-11	PE311-ALS NK/CR	THOMASTON, CT
L0211540-12	PE312-FP	THOMASTON, CT
L0211540-13	PE313-ACS VC/B1	THOMASTON, CT
L0211540-14	PE314-ACS CI/WT4	THOMASTON, CT
L0211540-15	PE315-ACS SC3	THOMASTON, CT
L0211540-16	PE316-CS EH	THOMASTON, CT
L0211540-17	PE317-CS FP	THOMASTON, CT
L0211540-18	PE318-CS ACS	THOMASTON, CT
L0211540-19	PE319-CS TR2	THOMASTON, CT
L0211540-20	PE320-CS 0/HDR	THOMASTON, CT
L0211540-21	PE321-ACL VALVES	THOMASTON, CT
L0211540-22	PE322-ACL PIPES	THOMASTON, CT
L0211540-23	PE323-ENTRY	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean

Scott McLean - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0211540

Alpha Report L0211540:

Total Metals

The matrix spike percent recoveries for the analyses of Chromium and Zinc associated with Alpha Samples L0211540-01 through -20 are invalid because the sample concentration is greater than four times the spike amount added.

The matrix spike percent recovery for the analysis of Nickel associated with Alpha Samples L0211540-21 through -23 is outside the in-house acceptance criteria for the method. A post analytical spike was performed with an acceptable recovery of 99%.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-01
PE301-CM1
Sample Matrix: SOLID

Date Collected: 04-JUN-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	5.4	mg/kg	2.0	1	6010B	1114 16:30	1115 13:48	MG
Chromium, Total	43.	mg/kg	2.0	1	6010B	1114 16:30	1115 13:48	MG
Copper, Total	270	mg/kg	2.0	1	6010B	1114 16:30	1115 13:48	MG
Lead, Total	810	mg/kg	9.8	1	6010B	1114 16:30	1115 13:48	MG
Nickel, Total	21.	mg/kg	4.9	1	6010B	1114 16:30	1115 13:48	MG
Zinc, Total	13000	mg/kg	200	1	6010B	1114 16:30	1118 10:04	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-02
PE302-NWCP
Sample Matrix: SOLID

Date Collected: 22-OCT-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1114 16:30	1115 13:52	MG
Chromium, Total	27.	mg/kg	1.9	1	6010B	1114 16:30	1115 13:52	MG
Copper, Total	42.	mg/kg	1.9	1	6010B	1114 16:30	1115 13:52	MG
Lead, Total	13.	mg/kg	9.4	1	6010B	1114 16:30	1115 13:52	MG
Nickel, Total	26.	mg/kg	4.7	1	6010B	1114 16:30	1115 13:52	MG
Zinc, Total	200	mg/kg	9.4	1	6010B	1114 16:30	1115 13:52	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-03
PE303-ALS NKI BERM
Sample Matrix: SOLID

Date Collected: 22-OCT-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1114 16:30	1115 13:57	MG
Chromium, Total	24.	mg/kg	1.9	1	6010B	1114 16:30	1115 13:57	MG
Copper, Total	33.	mg/kg	1.9	1	6010B	1114 16:30	1115 13:57	MG
Lead, Total	ND	mg/kg	9.5	1	6010B	1114 16:30	1115 13:57	MG
Nickel, Total	19.	mg/kg	4.8	1	6010B	1114 16:30	1115 13:57	MG
Zinc, Total	200	mg/kg	9.5	1	6010B	1114 16:30	1115 13:57	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-04
PE304-ACL
Sample Matrix: SOLID

Date Collected: 22-OCT-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	5.2	mg/kg	1.9	1	6010B	1114 16:30	1115 14:01	MG
Chromium, Total	82.	mg/kg	1.9	1	6010B	1114 16:30	1115 14:01	MG
Copper, Total	260	mg/kg	1.9	1	6010B	1114 16:30	1115 14:01	MG
Lead, Total	980	mg/kg	9.6	1	6010B	1114 16:30	1115 14:01	MG
Nickel, Total	35.	mg/kg	4.8	1	6010B	1114 16:30	1115 14:01	MG
Zinc, Total	730	mg/kg	9.6	1	6010B	1114 16:30	1115 14:01	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-05
PE305-TR2
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1114 16:30	1115 14:05	MG
Chromium, Total	18.	mg/kg	1.9	1	6010B	1114 16:30	1115 14:05	MG
Copper, Total	140	mg/kg	1.9	1	6010B	1114 16:30	1115 14:05	MG
Lead, Total	ND	mg/kg	9.5	1	6010B	1114 16:30	1115 14:05	MG
Nickel, Total	16.	mg/kg	4.8	1	6010B	1114 16:30	1115 14:05	MG
Zinc, Total	38.	mg/kg	9.5	1	6010B	1114 16:30	1115 14:05	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-06
PE306-CM2
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	2.0	1	6010B	1114 16:30	1115 16:19	MG
Chromium, Total	320	mg/kg	2.0	1	6010B	1114 16:30	1115 16:19	MG
Copper, Total	53.	mg/kg	2.0	1	6010B	1114 16:30	1115 16:19	MG
Lead, Total	130	mg/kg	9.8	1	6010B	1114 16:30	1115 16:19	MG
Nickel, Total	35.	mg/kg	4.9	1	6010B	1114 16:30	1115 16:19	MG
Zinc, Total	590	mg/kg	9.8	1	6010B	1114 16:30	1115 16:19	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-07
PE307-CM2
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1114 16:30	1115 16:28	MG
Chromium, Total	19.	mg/kg	1.9	1	6010B	1114 16:30	1115 16:28	MG
Copper, Total	23.	mg/kg	1.9	1	6010B	1114 16:30	1115 16:28	MG
Lead, Total	ND	mg/kg	9.7	1	6010B	1114 16:30	1115 16:28	MG
Nickel, Total	14.	mg/kg	4.8	1	6010B	1114 16:30	1115 16:28	MG
Zinc, Total	31.	mg/kg	9.7	1	6010B	1114 16:30	1115 16:28	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-08
PE308-CM1
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	2.0	1	6010B	1114 16:30	1115 16:32	MG
Chromium, Total	33.	mg/kg	2.0	1	6010B	1114 16:30	1115 16:32	MG
Copper, Total	160	mg/kg	2.0	1	6010B	1114 16:30	1115 16:32	MG
Lead, Total	ND	mg/kg	9.9	1	6010B	1114 16:30	1115 16:32	MG
Nickel, Total	16.	mg/kg	4.9	1	6010B	1114 16:30	1115 16:32	MG
Zinc, Total	46.	mg/kg	9.9	1	6010B	1114 16:30	1115 16:32	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-09
PE309-CM1
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1114 16:30	1115 16:36	MG
Chromium, Total	19.	mg/kg	1.9	1	6010B	1114 16:30	1115 16:36	MG
Copper, Total	73.	mg/kg	1.9	1	6010B	1114 16:30	1115 16:36	MG
Lead, Total	ND	mg/kg	9.6	1	6010B	1114 16:30	1115 16:36	MG
Nickel, Total	13.	mg/kg	4.8	1	6010B	1114 16:30	1115 16:36	MG
Zinc, Total	60.	mg/kg	9.6	1	6010B	1114 16:30	1115 16:36	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-10
PE310-ALSSR
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1114 16:30	1115 16:41	MG
Chromium, Total	25.	mg/kg	1.9	1	6010B	1114 16:30	1115 16:41	MG
Copper, Total	38.	mg/kg	1.9	1	6010B	1114 16:30	1115 16:41	MG
Lead, Total	ND	mg/kg	9.5	1	6010B	1114 16:30	1115 16:41	MG
Nickel, Total	18.	mg/kg	4.8	1	6010B	1114 16:30	1115 16:41	MG
Zinc, Total	180	mg/kg	9.5	1	6010B	1114 16:30	1115 16:41	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-11
PE311-ALS NK/CR
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	2.0	1	6010B	1114 16:30	1115 16:45	MG
Chromium, Total	32.	mg/kg	2.0	1	6010B	1114 16:30	1115 16:45	MG
Copper, Total	24.	mg/kg	2.0	1	6010B	1114 16:30	1115 16:45	MG
Lead, Total	ND	mg/kg	9.8	1	6010B	1114 16:30	1115 16:45	MG
Nickel, Total	19.	mg/kg	4.9	1	6010B	1114 16:30	1115 16:45	MG
Zinc, Total	37.	mg/kg	9.8	1	6010B	1114 16:30	1115 16:45	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-12
PE312-FP
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1114 16:30	1115 16:49	MG
Chromium, Total	25.	mg/kg	1.9	1	6010B	1114 16:30	1115 16:49	MG
Copper, Total	24.	mg/kg	1.9	1	6010B	1114 16:30	1115 16:49	MG
Lead, Total	2400	mg/kg	9.6	1	6010B	1114 16:30	1115 16:49	MG
Nickel, Total	13.	mg/kg	4.8	1	6010B	1114 16:30	1115 16:49	MG
Zinc, Total	34.	mg/kg	9.6	1	6010B	1114 16:30	1115 16:49	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-13
PE313-ACS VC/B1
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/kg	0.24	1	9010B	1114 19:56	1118 13:22	DE
Sulfide	ND	mg/kg	0.50	1	9030B		1115 15:00	JT
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	2.0	1	6010B	1114 16:30	1115 16:53	MG
Chromium, Total	23.	mg/kg	2.0	1	6010B	1114 16:30	1115 16:53	MG
Copper, Total	25.	mg/kg	2.0	1	6010B	1114 16:30	1115 16:53	MG
Lead, Total	3100	mg/kg	9.8	1	6010B	1114 16:30	1115 16:53	MG
Nickel, Total	13.	mg/kg	4.9	1	6010B	1114 16:30	1115 16:53	MG
Zinc, Total	32.	mg/kg	9.8	1	6010B	1114 16:30	1115 16:53	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-14
PE314-ACS CI/WT4
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	0.25	mg/kg	0.23	1	9010B	1114 19:56	1118 13:24	DE
Sulfide	ND	mg/kg	0.50	1	9030B		1115 15:00	JT
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1114 16:30	1115 17:10	MG
Chromium, Total	35.	mg/kg	1.9	1	6010B	1114 16:30	1115 17:10	MG
Copper, Total	22.	mg/kg	1.9	1	6010B	1114 16:30	1115 17:10	MG
Lead, Total	9200	mg/kg	9.6	1	6010B	1114 16:30	1115 17:10	MG
Nickel, Total	16.	mg/kg	4.8	1	6010B	1114 16:30	1115 17:10	MG
Zinc, Total	28.	mg/kg	9.6	1	6010B	1114 16:30	1115 17:10	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-15
PE315-ACS SC3
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	0.38	mg/kg	0.20	1	9010B	1114 19:56	1118 13:25	DE
Sulfide	ND	mg/kg	0.50	1	9030B		1115 15:00	JT
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	2.0	1	6010B	1114 16:30	1115 17:14	MG
Chromium, Total	45.	mg/kg	2.0	1	6010B	1114 16:30	1115 17:14	MG
Copper, Total	28.	mg/kg	2.0	1	6010B	1114 16:30	1115 17:14	MG
Lead, Total	4900	mg/kg	9.8	1	6010B	1114 16:30	1115 17:14	MG
Nickel, Total	18.	mg/kg	4.9	1	6010B	1114 16:30	1115 17:14	MG
Zinc, Total	37.	mg/kg	9.8	1	6010B	1114 16:30	1115 17:14	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-16
PE316-CS EH
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.8	1	6010B	1114 16:30	1115 17:18	MG
Chromium, Total	16.	mg/kg	1.8	1	6010B	1114 16:30	1115 17:18	MG
Copper, Total	34.	mg/kg	1.8	1	6010B	1114 16:30	1115 17:18	MG
Lead, Total	ND	mg/kg	8.8	1	6010B	1114 16:30	1115 17:18	MG
Nickel, Total	11.	mg/kg	4.4	1	6010B	1114 16:30	1115 17:18	MG
Zinc, Total	45.	mg/kg	8.8	1	6010B	1114 16:30	1115 17:18	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-17
PE317-CS FP
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	2.0	1	6010B	1114 16:30	1115 17:23	MG
Chromium, Total	16.	mg/kg	2.0	1	6010B	1114 16:30	1115 17:23	MG
Copper, Total	22.	mg/kg	2.0	1	6010B	1114 16:30	1115 17:23	MG
Lead, Total	800	mg/kg	9.8	1	6010B	1114 16:30	1115 17:23	MG
Nickel, Total	11.	mg/kg	4.9	1	6010B	1114 16:30	1115 17:23	MG
Zinc, Total	36.	mg/kg	9.8	1	6010B	1114 16:30	1115 17:23	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-18
PE318-CS ACS
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	4.0	mg/kg	2.0	1	6010B	1114 16:30	1115 17:27	MG
Chromium, Total	280	mg/kg	2.0	1	6010B	1114 16:30	1115 17:27	MG
Copper, Total	680	mg/kg	2.0	1	6010B	1114 16:30	1115 17:27	MG
Lead, Total	150	mg/kg	9.8	1	6010B	1114 16:30	1115 17:27	MG
Nickel, Total	180	mg/kg	4.9	1	6010B	1114 16:30	1115 17:27	MG
Zinc, Total	660	mg/kg	9.8	1	6010B	1114 16:30	1115 17:27	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-19
PE319-CS TR2
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1114 16:30	1115 17:31	MG
Chromium, Total	17.	mg/kg	1.9	1	6010B	1114 16:30	1115 17:31	MG
Copper, Total	39.	mg/kg	1.9	1	6010B	1114 16:30	1115 17:31	MG
Lead, Total	ND	mg/kg	9.6	1	6010B	1114 16:30	1115 17:31	MG
Nickel, Total	13.	mg/kg	4.8	1	6010B	1114 16:30	1115 17:31	MG
Zinc, Total	36.	mg/kg	9.6	1	6010B	1114 16:30	1115 17:31	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-20
PE320-CS 0/HDR
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1114 16:30	1115 17:35	MG
Chromium, Total	16.	mg/kg	1.9	1	6010B	1114 16:30	1115 17:35	MG
Copper, Total	16.	mg/kg	1.9	1	6010B	1114 16:30	1115 17:35	MG
Lead, Total	ND	mg/kg	9.4	1	6010B	1114 16:30	1115 17:35	MG
Nickel, Total	11.	mg/kg	4.7	1	6010B	1114 16:30	1115 17:35	MG
Zinc, Total	23.	mg/kg	9.4	1	6010B	1114 16:30	1115 17:35	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-21
PE321-ACL VALVES
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	2.0	1	6010B	1115 13:15	1118 09:11	RW
Chromium, Total	17.	mg/kg	2.0	1	6010B	1115 13:15	1118 09:11	RW
Copper, Total	13.	mg/kg	2.0	1	6010B	1115 13:15	1118 09:11	RW
Lead, Total	1800	mg/kg	9.9	1	6010B	1115 13:15	1118 09:11	RW
Nickel, Total	14.	mg/kg	5.0	1	6010B	1115 13:15	1118 09:11	RW
Zinc, Total	33.	mg/kg	9.9	1	6010B	1115 13:15	1118 09:11	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-22
PE322-ACL PIPES
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1115 13:15	1118 09:33	RW
Chromium, Total	21.	mg/kg	1.9	1	6010B	1115 13:15	1118 09:33	RW
Copper, Total	24.	mg/kg	1.9	1	6010B	1115 13:15	1118 09:33	RW
Lead, Total	1800	mg/kg	9.6	1	6010B	1115 13:15	1118 09:33	RW
Nickel, Total	15.	mg/kg	4.8	1	6010B	1115 13:15	1118 09:33	RW
Zinc, Total	43.	mg/kg	9.6	1	6010B	1115 13:15	1118 09:33	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0211540-23
PE323-ENTRY
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 12-NOV-2002
Date Reported : 19-NOV-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.9	1	6010B	1115 13:15	1118 09:37	RW
Chromium, Total	14.	mg/kg	1.9	1	6010B	1115 13:15	1118 09:37	RW
Copper, Total	27.	mg/kg	1.9	1	6010B	1115 13:15	1118 09:37	RW
Lead, Total	ND	mg/kg	9.4	1	6010B	1115 13:15	1118 09:37	RW
Nickel, Total	10.	mg/kg	4.7	1	6010B	1115 13:15	1118 09:37	RW
Zinc, Total	30.	mg/kg	9.4	1	6010B	1115 13:15	1118 09:37	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0211540

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Cyanide, Total for sample(s) 13-15 (L0211540-13, WG127608)					
Cyanide, Total	ND	ND	mg/kg	NC	40
Sulfide for sample(s) 13-15 (L0211540-15, WG127729)					
Sulfide	ND	ND	mg/kg	NC	
Total Metals for sample(s) 21-23 (L0211521-02, WG127853)					
Nickel, Total	140	140	mg/kg	0	35
Total Metals for sample(s) 01-20 (L0211540-05, WG127625)					
Cadmium, Total	ND	ND	mg/kg	NC	35
Chromium, Total	18.	20.	mg/kg	11	35
Copper, Total	140	160	mg/kg	13	35
Lead, Total	ND	ND	mg/kg	NC	35
Nickel, Total	16.	17.	mg/kg	6	35
Zinc, Total	38.	38.	mg/kg	0	35

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0211540

Parameter	% Recovery	QC Criteria
Cyanide, Total LCS for sample(s) 13-15 (WG127608)		
Cyanide, Total	105	65-135
Sulfide LCS for sample(s) 13-15 (WG127729)		
Sulfide	82	
Total Metals LCS for sample(s) 21-23 (WG127853)		
Cadmium, Total	102	70-140
Chromium, Total	95	70-140
Copper, Total	92	70-140
Lead, Total	106	70-140
Nickel, Total	96	70-140
Zinc, Total	98	70-140
Total Metals LCS for sample(s) 01-20 (WG127625)		
Cadmium, Total	104	70-140
Chromium, Total	94	70-140
Copper, Total	95	70-140
Lead, Total	106	70-140
Nickel, Total	97	70-140
Zinc, Total	99	70-140
Cyanide, Total SPIKE for sample(s) 13-15 (L0211540-13, WG127608)		
Cyanide, Total	110	65-135
Total Metals SPIKE for sample(s) 21-23 (L0211521-02, WG127853)		
Cadmium, Total	117	70-140
Chromium, Total	111	70-140
Copper, Total	117	70-140
Lead, Total	110	70-140
Nickel, Total	141	70-140
Zinc, Total	121	70-140
Total Metals SPIKE for sample(s) 01-20 (L0211540-06, WG127625)		
Cadmium, Total	97	70-140
Chromium, Total	316	70-140
Copper, Total	99	70-140
Lead, Total	134	70-140
Nickel, Total	79	70-140
Zinc, Total	242	70-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0211540

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 13-15 (WG127608-1)								
Cyanide, Total	ND	mg/kg	0.24	1	9010B	1114 19:56	1118 13:19	DE
Blank Analysis for sample(s) 13-15 (WG127729-1)								
Sulfide	ND	mg/kg	0.50	1	9030B		1115 15:00	JT
Blank Analysis for sample(s) 21-23 (WG127853-3)								
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	1.0	1	6010B	1115 13:15	1118 08:39	RW
Chromium, Total	ND	mg/kg	1.0	1	6010B	1115 13:15	1118 08:39	RW
Copper, Total	ND	mg/kg	1.0	1	6010B	1115 13:15	1118 08:39	RW
Lead, Total	ND	mg/kg	5.0	1	6010B	1115 13:15	1118 08:39	RW
Nickel, Total	ND	mg/kg	2.5	1	6010B	1115 13:15	1118 08:39	RW
Zinc, Total	ND	mg/kg	5.0	1	6010B	1115 13:15	1118 08:39	RW
Blank Analysis for sample(s) 01-20 (WG127625-3)								
Total Metals				1	3051			
Cadmium, Total	ND	mg/kg	2.0	1	6010B	1114 16:30	1115 13:40	MG
Chromium, Total	ND	mg/kg	2.0	1	6010B	1114 16:30	1115 13:40	MG
Copper, Total	ND	mg/kg	2.0	1	6010B	1114 16:30	1115 13:40	MG
Lead, Total	ND	mg/kg	10.	1	6010B	1114 16:30	1115 13:40	MG
Nickel, Total	ND	mg/kg	5.0	1	6010B	1114 16:30	1115 13:40	MG
Zinc, Total	ND	mg/kg	10.	1	6010B	1114 16:30	1115 13:40	MG

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 11/12

ALPHA Job #: L0411 40

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr, Ste 3B
Rocky Hill, CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure-Etch
Project Location: Thomaston, CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 11/19 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Hazardous Waste Closure

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cadmium (total)	Chromium (total)	Copper (total)	Lead (total)	Nickel (total)	Zinc (total)	Sample Specific Comments	Total # Bottles
1	PE301-CM1	6/4/02		CC	CAM	X	X	X	X	X	X		1
2	PE302-NWCP	10/22/02			GP	X	X	X	X	X	X		
3	PE303-ALS NKI Berm					X	X	X	X	X	X		
4	PE304-ACL					X	X	X	X	X	X		
5	PE305-TR2	11/6/02			GPA	X	X	X	X	X	X		
6	PE306-CM2					X	X	X	X	X	X		
7	PE307-CM2					X	X	X	X	X	X		
8	PE308-CM1					X	X	X	X	X	X		
9	PE309-CM1					X	X	X	X	X	X		
10	PE310-ALSSR					X	X	X	X	X	X		

Shaded Gray Areas For Lab Use Only

Container Type	G	→											
Preservative	A	→											

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Matherly	11/12/02 1415	L Edmonds	11/12/02 1415
L Edmonds			11/12 1600

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 2 OF 3

Date Rec'd in Lab: 11/12

ALPHA Job #: L0211540

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr, Ste 3B
Rocky Hill, CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure-Etch
Project Location: Thomaston, CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 11/19 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

Hazardous Waste Closure

* Total Cyanide Method EPA 335.2/9010B
** Total Sulfide Method EPA 376.2/9030B

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cadmium (total)	Chromium (total)	Copper (total)	Lead (total)	Nickel (total)	Zinc (total)	Total Cyanide*	Total Sulfide**					Sample Specific Comments	TOTAL # BOTTLES
1540 11	PE311 - ALS NK/CR	11/6/02		CC	GPA	X	X	X	X	X	X								1
12	PE312 - FP					X	X	X	X	X	X								
13	PE313 - ACS VC/B1					X	X	X	X	X	X	X	X						
14	PE314 - ACS C1/WT4					X	X	X	X	X	X	X	X						
15	PE315 - ACS SC3					X	X	X	X	X	X	X	X						
16	PE316 - CS EH					X	X	X	X	X	X								
17	PE317 - CS FP					X	X	X	X	X	X								
18	PE318 - CS ACS					X	X	X	X	X	X								
19	PE319 - CS TR2					X	X	X	X	X	X								
20	PE320 - CS O/H DR					X	X	X	X	X	X								
					Container Type	G													
					Preservative	A													

Shaded Gray Areas For Lab Use Only

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mathuly	11/12/02 1415	L Edmonds	11/12/02 1415
L Edmonds			11/12 1800

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 3 OF 3

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-893-9193

ALPHA Job #: L0411240

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr., Ste 3B
Rocky Hill, CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure - Etch
Project Location: Thomaston, CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 4/19 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

Hazardous Waste Closure

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cadmium (total)	Chromium (total)	Copper (total)	Lead (total)	Nickel (total)	Zinc (total)	Sample Specific Comments	Total # Bottles
1 L0411240	PE321-ACL VALVES	11/6/02		CC	GPA	X	X	X	X	X	X		1
22	PE322-ACL PIPES	↓		↓	↓	X	X	X	X	X	X		↓
23	PE323-ENTRY	↓		↓	↓	X	X	X	X	X	X		↓

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Shaded Gray Areas For Lab Use Only

Container Type: G →
Preservative: A →

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mathews	11/12/02 1415	L Edmonds	11/12/02 1415
L Edmonds			11/12 1800

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: 36908301

Site: PURE-ETCH

Laboratory Job Number: L0212027

Date Received: 22-NOV-2002

Date Reported: 04-DEC-2002

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0212027-01	PE301-CM1	THOMASTON, CT
L0212027-02	PE304-ACL	THOMASTON, CT
L0212027-03	PE306-CM2	THOMASTON, CT
L0212027-04	PE312-FP	THOMASTON, CT
L0212027-05	PE313-ACS VC/B1	THOMASTON, CT
L0212027-06	PE314-ACS C1/WT4	THOMASTON, CT
L0212027-07	PE315-ACS SC3	THOMASTON, CT
L0212027-08	PE317-CS FP	THOMASTON, CT
L0212027-09	PE318-CS ACS	THOMASTON, CT
L0212027-10	PE321-ACL VALVES	THOMASTON, CT
L0212027-11	PE322-ACL PIPES	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean

Scott McLean - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0212027

Alpha Report L0212027:

Extractable Total Petroleum Hydrocarbons

The matrix spike percent recovery for the analysis of Extractable Total Petroleum Hydrocarbons associated with Alpha Sample(s) L0212027-04 through -07 is invalid because the sample concentration is greater than four times the spike amount added.

Semi-Volatile Organics

The laboratory control sample recovery for 2,4-Dinitrotoluene associated with Alpha Sample(s) L0212027-04 through -07 are above the acceptance criteria required for the method. The samples are non-detect for the associated compound(s) and no further action was taken.

A matrix spike/matrix spike duplicate could not be reported due to the high dilution required to quantitate the sample.

Alpha Sample(s) L0212027-04 through -07 have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples.

Alpha Sample(s) L0212027-04 and -07 have elevated limits of detection due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

Alpha Sample(s) L0212027-05 and -06 have elevated limits of detection due to dilutions required by the matrix interferences encountered during the extraction, concentration, and/or digestion of the sample(s).

One or more surrogates for Alpha Sample(s) L0212027-05 through -07 were not recovered, due to the dilutions required to quantitate the samples.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-01
PE301-CM1
Sample Matrix: SOLID

Date Collected: 04-JUN-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	3.0	mg/kg	2.0	1	6010B	1113 16:30	1115 13:48	MG
Barium, Total	60.	mg/kg	2.0	1	6010B	1113 16:30	1115 13:48	MG
Mercury, Total	ND	mg/kg	0.20	1	7471A	1202 17:05	1203 09:45	DM
Selenium, Total	ND	mg/kg	3.9	1	6010B	1113 16:30	1115 13:48	MG
Silver, Total	3.4	mg/kg	2.0	1	6010B	1113 16:30	1115 13:48	MG
TCLP Metals								
TCLP Extraction				1	1311	1125 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1126 13:20	1127 09:16	MG
Barium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:16	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:16	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1126 13:20	1127 09:16	MG
Lead, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:16	MG
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1126 17:10	1127 09:29	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:16	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:16	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-02
PE304-ACL
Sample Matrix: SOLID

Date Collected: 22-OCT-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	3.4	mg/kg	1.9	1	6010B	1113 16:30	1115 14:01	MG
Barium, Total	77.	mg/kg	1.9	1	6010B	1113 16:30	1115 14:01	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	1126 15:00	1202 12:13	DM
Selenium, Total	ND	mg/kg	3.8	1	6010B	1113 16:30	1115 14:01	MG
Silver, Total	3.7	mg/kg	1.9	1	6010B	1113 16:30	1115 14:01	MG
TCLP Metals								
TCLP Extraction				1	1311	1125 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1126 13:20	1127 09:25	MG
Barium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:25	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:25	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1126 13:20	1127 09:25	MG
Lead, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:25	MG
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1126 17:10	1127 09:31	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:25	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:25	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-03
PE306-CM2
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	2.2	mg/kg	2.0	1	6010B	1113 16:30	1115 16:19	MG
Barium, Total	100	mg/kg	2.0	1	6010B	1113 16:30	1115 16:19	MG
Mercury, Total	0.60	mg/kg	0.08	1	7471A	1126 15:00	1202 12:13	DM
Selenium, Total	ND	mg/kg	3.9	1	6010B	1113 16:30	1115 16:19	MG
Silver, Total	ND	mg/kg	2.0	1	6010B	1113 16:30	1115 16:19	MG
TCLP Metals								
TCLP Extraction				1	1311	1125 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1126 13:20	1127 09:33	MG
Barium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:33	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:33	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1126 13:20	1127 09:33	MG
Lead, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:33	MG
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1126 17:10	1127 09:33	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:33	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:33	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-04
PE312-FP
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	4.0	mg/kg	1.9	1	6010B	1113 16:30	1115 16:49	MG
Barium, Total	45.	mg/kg	1.9	1	6010B	1113 16:30	1115 16:49	MG
Mercury, Total	ND	mg/kg	0.19	1	7471A	1202 17:05	1203 09:45	DM
Selenium, Total	ND	mg/kg	3.8	1	6010B	1113 16:30	1115 16:49	MG
Silver, Total	ND	mg/kg	1.9	1	6010B	1113 16:30	1115 16:49	MG
TCLP Metals								
TCLP Extraction				1	1311	1125 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1126 13:20	1127 09:37	MG
Barium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:37	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:37	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1126 13:20	1127 09:37	MG
Lead, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:37	MG
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1126 17:10	1127 09:38	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:37	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:37	MG
SVOC's by GC/MS 8270				1	8270C	1125 15:20	1127 10:10	HL
Acenaphthene	ND	ug/kg	5000					
Benzidine	ND	ug/kg	50000					
1,2,4-Trichlorobenzene	ND	ug/kg	5000					
Hexachlorobenzene	ND	ug/kg	5000					
Bis(2-chloroethyl)ether	ND	ug/kg	5000					
1-Chloronaphthalene	ND	ug/kg	5000					
2-Chloronaphthalene	ND	ug/kg	6000					
1,2-Dichlorobenzene	ND	ug/kg	5000					
1,3-Dichlorobenzene	ND	ug/kg	5000					
1,4-Dichlorobenzene	ND	ug/kg	5000					
3,3'-Dichlorobenzidine	ND	ug/kg	50000					
2,4-Dinitrotoluene	ND	ug/kg	6000					
2,6-Dinitrotoluene	ND	ug/kg	5000					
Azobenzene	ND	ug/kg	5000					
Fluoranthene	ND	ug/kg	5000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-04
PE312-FP

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	1125 15:20	1127 10:10	HL
4-Chlorophenyl phenyl ether	ND	ug/kg	5000					
4-Bromophenyl phenyl ether	ND	ug/kg	5000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	5000					
Bis(2-chloroethoxy)methane	ND	ug/kg	5000					
Hexachlorobutadiene	ND	ug/kg	10000					
Hexachlorocyclopentadiene	ND	ug/kg	10000					
Hexachloroethane	ND	ug/kg	5000					
Isophorone	ND	ug/kg	5000					
Naphthalene	ND	ug/kg	5000					
Nitrobenzene	ND	ug/kg	5000					
NDPA/DPA	ND	ug/kg	15000					
n-Nitrosodi-n-propylamine	ND	ug/kg	5000					
Bis(2-ethylhexyl)phthalate	ND	ug/kg	10000					
Butyl benzyl phthalate	ND	ug/kg	5000					
Di-n-butylphthalate	ND	ug/kg	5000					
Di-n-octylphthalate	ND	ug/kg	5000					
Diethyl phthalate	ND	ug/kg	5000					
Dimethyl phthalate	ND	ug/kg	5000					
Benzo(a)anthracene	ND	ug/kg	5000					
Benzo(a)pyrene	ND	ug/kg	5000					
Benzo(b)fluoranthene	ND	ug/kg	5000					
Benzo(k)fluoranthene	ND	ug/kg	5000					
Chrysene	ND	ug/kg	5000					
Acenaphthylene	ND	ug/kg	5000					
Anthracene	ND	ug/kg	5000					
Benzo(ghi)perylene	ND	ug/kg	5000					
Fluorene	ND	ug/kg	5000					
Phenanthrene	ND	ug/kg	5000					
Dibenzo(a,h)anthracene	ND	ug/kg	5000					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5000					
Pyrene	ND	ug/kg	5000					
Benzo(e)pyrene	ND	ug/kg	5000					
Biphenyl	ND	ug/kg	5000					
Perylene	ND	ug/kg	5000					
Aniline	ND	ug/kg	10000					
4-Chloroaniline	ND	ug/kg	5000					
1-Methylnaphthalene	ND	ug/kg	5000					
2-Nitroaniline	ND	ug/kg	5000					
3-Nitroaniline	ND	ug/kg	5000					
4-Nitroaniline	ND	ug/kg	7000					
Dibenzofuran	ND	ug/kg	5000					
a,a-Dimethylphenethylamine	ND	ug/kg	50000					
Hexachloropropene	ND	ug/kg	50000					
Nitrosodi-n-butylamine	ND	ug/kg	10000					
2-Methylnaphthalene	ND	ug/kg	8000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	20000					
Pentachlorobenzene	ND	ug/kg	20000					
a-Naphthylamine	ND	ug/kg	20000					
b-Naphthylamine	ND	ug/kg	20000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-04
PE312-FP

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	1125 15:20	1127 10:10	HL
Phenacetin	ND	ug/kg	10000					
Dimethoate	ND	ug/kg	20000					
4-Aminobiphenyl	ND	ug/kg	10000					
Pentachloronitrobenzene	ND	ug/kg	10000					
Isodrin	ND	ug/kg	10000					
p-Dimethylaminoazobenzene	ND	ug/kg	10000					
Chlorobenzilate	ND	ug/kg	20000					
3-Methylcholanthrene	ND	ug/kg	20000					
Ethyl Methanesulfonate	ND	ug/kg	15000					
Acetophenone	ND	ug/kg	20000					
Nitrosodipiperidine	ND	ug/kg	20000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	10000					
n-Nitrosodimethylamine	ND	ug/kg	50000					
2,4,6-Trichlorophenol	ND	ug/kg	5000					
p-Chloro-m-cresol	ND	ug/kg	5000					
2-Chlorophenol	ND	ug/kg	6000					
2,4-Dichlorophenol	ND	ug/kg	10000					
2,4-Dimethylphenol	ND	ug/kg	10000					
2-Nitrophenol	ND	ug/kg	20000					
4-Nitrophenol	ND	ug/kg	10000					
2,4-Dinitrophenol	ND	ug/kg	20000					
4,6-Dinitro-o-cresol	ND	ug/kg	20000					
Pentachlorophenol	ND	ug/kg	20000					
Phenol	21000	ug/kg	7000					
2-Methylphenol	ND	ug/kg	6000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	6000					
2,4,5-Trichlorophenol	ND	ug/kg	5000					
2,6-Dichlorophenol	ND	ug/kg	10000					
Benzoic Acid	ND	ug/kg	50000					
Benzyl Alcohol	130000	ug/kg	10000					
Carbazole	ND	ug/kg	5000					
Pyridine	ND	ug/kg	50000					
2-Picoline	ND	ug/kg	20000					
Pronamide	ND	ug/kg	20000					
Methyl methanesulfonate	ND	ug/kg	20000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	60.0	%	25-120					
Phenol-d6	85.0	%	10-120					
Nitrobenzene-d5	79.0	%	23-120					
2-Fluorobiphenyl	96.0	%	30-120					
2,4,6-Tribromophenol	70.0	%	19-120					
4-Terphenyl-d14	91.0	%	18-120					
Polychlorinated Biphenyls				1	8082	1125 15:25	1126 20:10	AK
Aroclor 1221	ND	ug/kg	250.					
Aroclor 1232	ND	ug/kg	250.					
Aroclor 1242/1016	ND	ug/kg	250.					
Aroclor 1248	ND	ug/kg	250.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-04
PE312-FP

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls continued				1	8082	1125 15:25	1126 20:10	AK
Aroclor 1254	ND	ug/kg	250.					
Aroclor 1260	ND	ug/kg	250.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	64.0	%	30-150					
Decachlorobiphenyl	63.0	%	30-150					
Extractable Total Petroleum Hydrocarbons				11	3-99	1125 15:10	1203 07:30	BW
ETPH-CT	150000	ug/kg	5000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	75.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-05
PE313-ACS VC/B1
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	2.4	mg/kg	2.0	1	6010B	1113 16:30	1115 16:53	MG
Barium, Total	51.	mg/kg	2.0	1	6010B	1113 16:30	1115 16:53	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	1126 15:00	1202 12:13	DM
Selenium, Total	ND	mg/kg	3.9	1	6010B	1113 16:30	1115 16:53	MG
Silver, Total	ND	mg/kg	2.0	1	6010B	1113 16:30	1115 16:53	MG
TCLP Metals								
TCLP Extraction				1	1311	1125 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1126 13:20	1127 09:52	MG
Barium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:52	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:52	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1126 13:20	1127 09:52	MG
Lead, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:52	MG
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1126 17:10	1127 09:40	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:52	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:52	MG
SVOC's by GC/MS 8270				1	8270C	1125 15:20	1127 11:51	HL
Acenaphthene	ND	ug/kg	50000					
Benzidine	ND	ug/kg	500000					
1,2,4-Trichlorobenzene	ND	ug/kg	50000					
Hexachlorobenzene	ND	ug/kg	50000					
Bis(2-chloroethyl)ether	ND	ug/kg	50000					
1-Chloronaphthalene	ND	ug/kg	50000					
2-Chloronaphthalene	ND	ug/kg	60000					
1,2-Dichlorobenzene	ND	ug/kg	50000					
1,3-Dichlorobenzene	ND	ug/kg	50000					
1,4-Dichlorobenzene	ND	ug/kg	50000					
3,3'-Dichlorobenzidine	ND	ug/kg	500000					
2,4-Dinitrotoluene	ND	ug/kg	60000					
2,6-Dinitrotoluene	ND	ug/kg	50000					
Azobenzene	ND	ug/kg	50000					
Fluoranthene	ND	ug/kg	50000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-05
PE313-ACS VC/B1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	1125 15:20	1127 11:51	HL
4-Chlorophenyl phenyl ether	ND	ug/kg	50000					
4-Bromophenyl phenyl ether	ND	ug/kg	50000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	50000					
Bis(2-chloroethoxy)methane	ND	ug/kg	50000					
Hexachlorobutadiene	ND	ug/kg	100000					
Hexachlorocyclopentadiene	ND	ug/kg	100000					
Hexachloroethane	ND	ug/kg	50000					
Isophorone	ND	ug/kg	50000					
Naphthalene	ND	ug/kg	50000					
Nitrobenzene	ND	ug/kg	50000					
NDPA/DPA	ND	ug/kg	150000					
n-Nitrosodi-n-propylamine	ND	ug/kg	50000					
Bis(2-ethylhexyl)phthalate	ND	ug/kg	100000					
Butyl benzyl phthalate	ND	ug/kg	50000					
Di-n-butylphthalate	ND	ug/kg	50000					
Di-n-octylphthalate	ND	ug/kg	50000					
Diethyl phthalate	ND	ug/kg	50000					
Dimethyl phthalate	ND	ug/kg	50000					
Benzo(a)anthracene	ND	ug/kg	50000					
Benzo(a)pyrene	ND	ug/kg	50000					
Benzo(b)fluoranthene	ND	ug/kg	50000					
Benzo(k)fluoranthene	ND	ug/kg	50000					
Chrysene	ND	ug/kg	50000					
Acenaphthylene	ND	ug/kg	50000					
Anthracene	ND	ug/kg	50000					
Benzo(ghi)perylene	ND	ug/kg	50000					
Fluorene	ND	ug/kg	50000					
Phenanthrene	ND	ug/kg	50000					
Dibenzo(a,h)anthracene	ND	ug/kg	50000					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	50000					
Pyrene	ND	ug/kg	50000					
Benzo(e)pyrene	ND	ug/kg	50000					
Biphenyl	ND	ug/kg	50000					
Perylene	ND	ug/kg	50000					
Aniline	ND	ug/kg	100000					
4-Chloroaniline	ND	ug/kg	50000					
1-Methylnaphthalene	ND	ug/kg	50000					
2-Nitroaniline	ND	ug/kg	50000					
3-Nitroaniline	ND	ug/kg	50000					
4-Nitroaniline	ND	ug/kg	70000					
Dibenzofuran	ND	ug/kg	50000					
a,a-Dimethylphenethylamine	ND	ug/kg	500000					
Hexachloropropene	ND	ug/kg	500000					
Nitrosodi-n-butylamine	ND	ug/kg	100000					
2-Methylnaphthalene	ND	ug/kg	80000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	200000					
Pentachlorobenzene	ND	ug/kg	200000					
a-Naphthylamine	ND	ug/kg	200000					
b-Naphthylamine	ND	ug/kg	200000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-05
PE313-ACS VC/B1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	1125 15:20	1127 11:51	HL
Phenacetin	ND	ug/kg	100000					
Dimethoate	ND	ug/kg	200000					
4-Aminobiphenyl	ND	ug/kg	100000					
Pentachloronitrobenzene	ND	ug/kg	100000					
Isodrin	ND	ug/kg	100000					
p-Dimethylaminoazobenzene	ND	ug/kg	100000					
Chlorobenzilate	ND	ug/kg	200000					
3-Methylcholanthrene	ND	ug/kg	200000					
Ethyl Methanesulfonate	ND	ug/kg	150000					
Acetophenone	ND	ug/kg	200000					
Nitrosodipiperidine	ND	ug/kg	200000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	100000					
n-Nitrosodimethylamine	ND	ug/kg	500000					
2,4,6-Trichlorophenol	ND	ug/kg	50000					
p-Chloro-m-cresol	ND	ug/kg	50000					
2-Chlorophenol	ND	ug/kg	60000					
2,4-Dichlorophenol	ND	ug/kg	100000					
2,4-Dimethylphenol	ND	ug/kg	100000					
2-Nitrophenol	ND	ug/kg	200000					
4-Nitrophenol	ND	ug/kg	100000					
2,4-Dinitrophenol	ND	ug/kg	200000					
4,6-Dinitro-o-cresol	ND	ug/kg	200000					
Pentachlorophenol	ND	ug/kg	200000					
Phenol	110000	ug/kg	70000					
2-Methylphenol	ND	ug/kg	60000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	60000					
2,4,5-Trichlorophenol	ND	ug/kg	50000					
2,6-Dichlorophenol	ND	ug/kg	100000					
Benzoic Acid	ND	ug/kg	500000					
Benzyl Alcohol	840000	ug/kg	100000					
Carbazole	ND	ug/kg	50000					
Pyridine	ND	ug/kg	500000					
2-Picoline	ND	ug/kg	200000					
Pronamide	ND	ug/kg	200000					
Methyl methanesulfonate	ND	ug/kg	200000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Polychlorinated Biphenyls				1	8082	1125 15:25	1126 20:39	AK
Aroclor 1221	ND	ug/kg	250.					
Aroclor 1232	ND	ug/kg	250.					
Aroclor 1242/1016	ND	ug/kg	250.					
Aroclor 1248	ND	ug/kg	250.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-05
PE313-ACS VC/B1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls continued				1	8082	1125 15:25	1126 20:39	AK
Aroclor 1254	ND	ug/kg	250.					
Aroclor 1260	ND	ug/kg	250.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	72.0	%	30-150					
Decachlorobiphenyl	84.0	%	30-150					
Extractable Total Petroleum Hydrocarbons				11	3-99	1125 15:10	1203 16:27	BW
ETPH-CT	810000	ug/kg	5000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	65.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-06
PE314-ACS C1/WT4
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	2.8	mg/kg	1.9	1	6010B	1113 16:30	1115 17:10	MG
Barium, Total	56.	mg/kg	1.9	1	6010B	1113 16:30	1115 17:10	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	1126 15:00	1202 12:13	DM
Selenium, Total	ND	mg/kg	3.8	1	6010B	1113 16:30	1115 17:10	MG
Silver, Total	ND	mg/kg	1.9	1	6010B	1113 16:30	1115 17:10	MG
TCLP Metals								
TCLP Extraction				1	1311	1125 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1126 13:20	1127 09:56	MG
Barium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:56	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:56	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1126 13:20	1127 09:56	MG
Lead, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:56	MG
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1126 17:10	1127 09:42	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 09:56	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 09:56	MG
SVOC's by GC/MS 8270				1	8270C	1125 15:20	1127 12:41	HL
Acenaphthene	ND	ug/kg	25000					
Benzidine	ND	ug/kg	250000					
1,2,4-Trichlorobenzene	ND	ug/kg	25000					
Hexachlorobenzene	ND	ug/kg	25000					
Bis(2-chloroethyl)ether	ND	ug/kg	25000					
1-Chloronaphthalene	ND	ug/kg	25000					
2-Chloronaphthalene	ND	ug/kg	30000					
1,2-Dichlorobenzene	ND	ug/kg	25000					
1,3-Dichlorobenzene	ND	ug/kg	25000					
1,4-Dichlorobenzene	ND	ug/kg	25000					
3,3'-Dichlorobenzidine	ND	ug/kg	250000					
2,4-Dinitrotoluene	ND	ug/kg	30000					
2,6-Dinitrotoluene	ND	ug/kg	25000					
Azobenzene	ND	ug/kg	25000					
Fluoranthene	ND	ug/kg	25000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-06
PE314-ACS C1/WT4

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	1125 15:20	1127 12:41	HL
4-Chlorophenyl phenyl ether	ND	ug/kg	25000					
4-Bromophenyl phenyl ether	ND	ug/kg	25000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	25000					
Bis(2-chloroethoxy)methane	ND	ug/kg	25000					
Hexachlorobutadiene	ND	ug/kg	50000					
Hexachlorocyclopentadiene	ND	ug/kg	50000					
Hexachloroethane	ND	ug/kg	25000					
Isophorone	ND	ug/kg	25000					
Naphthalene	ND	ug/kg	25000					
Nitrobenzene	ND	ug/kg	25000					
NDPA/DPA	ND	ug/kg	75000					
n-Nitrosodi-n-propylamine	ND	ug/kg	25000					
Bis(2-ethylhexyl)phthalate	ND	ug/kg	50000					
Butyl benzyl phthalate	ND	ug/kg	25000					
Di-n-butylphthalate	ND	ug/kg	25000					
Di-n-octylphthalate	ND	ug/kg	25000					
Diethyl phthalate	ND	ug/kg	25000					
Dimethyl phthalate	ND	ug/kg	25000					
Benzo(a)anthracene	ND	ug/kg	25000					
Benzo(a)pyrene	ND	ug/kg	25000					
Benzo(b)fluoranthene	ND	ug/kg	25000					
Benzo(k)fluoranthene	ND	ug/kg	25000					
Chrysene	ND	ug/kg	25000					
Acenaphthylene	ND	ug/kg	25000					
Anthracene	ND	ug/kg	25000					
Benzo(ghi)perylene	ND	ug/kg	25000					
Fluorene	ND	ug/kg	25000					
Phenanthrene	ND	ug/kg	25000					
Dibenzo(a,h)anthracene	ND	ug/kg	25000					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	25000					
Pyrene	ND	ug/kg	25000					
Benzo(e)pyrene	ND	ug/kg	25000					
Biphenyl	ND	ug/kg	25000					
Perylene	ND	ug/kg	25000					
Aniline	ND	ug/kg	50000					
4-Chloroaniline	ND	ug/kg	25000					
1-Methylnaphthalene	ND	ug/kg	25000					
2-Nitroaniline	ND	ug/kg	25000					
3-Nitroaniline	ND	ug/kg	25000					
4-Nitroaniline	ND	ug/kg	35000					
Dibenzofuran	ND	ug/kg	25000					
a,a-Dimethylphenethylamine	ND	ug/kg	250000					
Hexachloropropene	ND	ug/kg	250000					
Nitrosodi-n-butylamine	ND	ug/kg	50000					
2-Methylnaphthalene	ND	ug/kg	40000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	100000					
Pentachlorobenzene	ND	ug/kg	100000					
a-Naphthylamine	ND	ug/kg	100000					
b-Naphthylamine	ND	ug/kg	100000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-06
PE314-ACS C1/WT4

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	1125 15:20	1127 12:41	HL
Phenacetin	ND	ug/kg	50000					
Dimethoate	ND	ug/kg	100000					
4-Aminobiphenyl	ND	ug/kg	50000					
Pentachloronitrobenzene	ND	ug/kg	50000					
Isodrin	ND	ug/kg	50000					
p-Dimethylaminoazobenzene	ND	ug/kg	50000					
Chlorobenzilate	ND	ug/kg	100000					
3-Methylcholanthrene	ND	ug/kg	100000					
Ethyl Methanesulfonate	ND	ug/kg	75000					
Acetophenone	ND	ug/kg	100000					
Nitrosodipiperidine	ND	ug/kg	100000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	50000					
n-Nitrosodimethylamine	ND	ug/kg	250000					
2,4,6-Trichlorophenol	ND	ug/kg	25000					
p-Chloro-m-cresol	ND	ug/kg	25000					
2-Chlorophenol	ND	ug/kg	30000					
2,4-Dichlorophenol	ND	ug/kg	50000					
2,4-Dimethylphenol	ND	ug/kg	50000					
2-Nitrophenol	ND	ug/kg	100000					
4-Nitrophenol	ND	ug/kg	50000					
2,4-Dinitrophenol	ND	ug/kg	100000					
4,6-Dinitro-o-cresol	ND	ug/kg	100000					
Pentachlorophenol	ND	ug/kg	100000					
Phenol	35000	ug/kg	35000					
2-Methylphenol	ND	ug/kg	30000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	30000					
2,4,5-Trichlorophenol	ND	ug/kg	25000					
2,6-Dichlorophenol	ND	ug/kg	50000					
Benzoic Acid	ND	ug/kg	250000					
Benzyl Alcohol	250000	ug/kg	50000					
Carbazole	ND	ug/kg	25000					
Pyridine	ND	ug/kg	250000					
2-Picoline	ND	ug/kg	100000					
Pronamide	ND	ug/kg	100000					
Methyl methanesulfonate	ND	ug/kg	100000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Polychlorinated Biphenyls				1	8082	1125 15:25	1126 21:07	AK
Aroclor 1221	ND	ug/kg	250.					
Aroclor 1232	ND	ug/kg	250.					
Aroclor 1242/1016	ND	ug/kg	250.					
Aroclor 1248	ND	ug/kg	250.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-06
PE314-ACS C1/WT4

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls continued				1	8082	1125 15:25	1126 21:07	AK
Aroclor 1254	ND	ug/kg	250.					
Aroclor 1260	ND	ug/kg	250.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	86.0	%	30-150					
Decachlorobiphenyl	89.0	%	30-150					
Extractable Total Petroleum Hydrocarbons				11	3-99	1125 15:10	1203 17:26	BW
ETPH-CT	440000	ug/kg	5000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	85.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-07
PE315-ACS SC3
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	3.2	mg/kg	2.0	1	6010B	1113 16:30	1115 17:14	MG
Barium, Total	46.	mg/kg	2.0	1	6010B	1113 16:30	1115 17:14	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	1126 15:00	1202 12:13	DM
Selenium, Total	ND	mg/kg	3.9	1	6010B	1113 16:30	1115 17:14	MG
Silver, Total	ND	mg/kg	2.0	1	6010B	1113 16:30	1115 17:14	MG
TCLP Metals								
TCLP Extraction				1	1311	1125 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1126 13:20	1127 10:00	MG
Barium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 10:00	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 10:00	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1126 13:20	1127 10:00	MG
Lead, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 10:00	MG
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1126 17:10	1127 09:43	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 10:00	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 10:00	MG
SVOC's by GC/MS 8270				1	8270C	1125 15:20	1127 09:21	HL
Acenaphthene	ND	ug/kg	10000					
Benzidine	ND	ug/kg	100000					
1,2,4-Trichlorobenzene	ND	ug/kg	10000					
Hexachlorobenzene	ND	ug/kg	10000					
Bis(2-chloroethyl)ether	ND	ug/kg	10000					
1-Chloronaphthalene	ND	ug/kg	10000					
2-Chloronaphthalene	ND	ug/kg	12000					
1,2-Dichlorobenzene	ND	ug/kg	10000					
1,3-Dichlorobenzene	ND	ug/kg	10000					
1,4-Dichlorobenzene	ND	ug/kg	10000					
3,3'-Dichlorobenzidine	ND	ug/kg	100000					
2,4-Dinitrotoluene	ND	ug/kg	12000					
2,6-Dinitrotoluene	ND	ug/kg	10000					
Azobenzene	ND	ug/kg	10000					
Fluoranthene	ND	ug/kg	10000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-07
PE315-ACS SC3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	1125 15:20	1127 09:21	HL
4-Chlorophenyl phenyl ether	ND	ug/kg	10000					
4-Bromophenyl phenyl ether	ND	ug/kg	10000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	10000					
Bis(2-chloroethoxy)methane	ND	ug/kg	10000					
Hexachlorobutadiene	ND	ug/kg	20000					
Hexachlorocyclopentadiene	ND	ug/kg	20000					
Hexachloroethane	ND	ug/kg	10000					
Isophorone	ND	ug/kg	10000					
Naphthalene	ND	ug/kg	10000					
Nitrobenzene	ND	ug/kg	10000					
NDPA/DPA	ND	ug/kg	30000					
n-Nitrosodi-n-propylamine	ND	ug/kg	10000					
Bis(2-ethylhexyl)phthalate	ND	ug/kg	20000					
Butyl benzyl phthalate	ND	ug/kg	10000					
Di-n-butylphthalate	ND	ug/kg	10000					
Di-n-octylphthalate	ND	ug/kg	10000					
Diethyl phthalate	ND	ug/kg	10000					
Dimethyl phthalate	ND	ug/kg	10000					
Benzo(a)anthracene	ND	ug/kg	10000					
Benzo(a)pyrene	ND	ug/kg	10000					
Benzo(b)fluoranthene	ND	ug/kg	10000					
Benzo(k)fluoranthene	ND	ug/kg	10000					
Chrysene	ND	ug/kg	10000					
Acenaphthylene	ND	ug/kg	10000					
Anthracene	ND	ug/kg	10000					
Benzo(ghi)perylene	ND	ug/kg	10000					
Fluorene	ND	ug/kg	10000					
Phenanthrene	ND	ug/kg	10000					
Dibenzo(a,h)anthracene	ND	ug/kg	10000					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10000					
Pyrene	ND	ug/kg	10000					
Benzo(e)pyrene	ND	ug/kg	10000					
Biphenyl	ND	ug/kg	10000					
Perylene	ND	ug/kg	10000					
Aniline	ND	ug/kg	20000					
4-Chloroaniline	ND	ug/kg	10000					
1-Methylnaphthalene	ND	ug/kg	10000					
2-Nitroaniline	ND	ug/kg	10000					
3-Nitroaniline	ND	ug/kg	10000					
4-Nitroaniline	ND	ug/kg	14000					
Dibenzofuran	ND	ug/kg	10000					
a,a-Dimethylphenethylamine	ND	ug/kg	100000					
Hexachloropropene	ND	ug/kg	100000					
Nitrosodi-n-butylamine	ND	ug/kg	20000					
2-Methylnaphthalene	ND	ug/kg	16000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	40000					
Pentachlorobenzene	ND	ug/kg	40000					
a-Naphthylamine	ND	ug/kg	40000					
b-Naphthylamine	ND	ug/kg	40000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-07
PE315-ACS SC3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	1125 15:20	1127 09:21	HL
Phenacetin	ND	ug/kg	20000					
Dimethoate	ND	ug/kg	40000					
4-Aminobiphenyl	ND	ug/kg	20000					
Pentachloronitrobenzene	ND	ug/kg	20000					
Isodrin	ND	ug/kg	20000					
p-Dimethylaminoazobenzene	ND	ug/kg	20000					
Chlorobenzilate	ND	ug/kg	40000					
3-Methylcholanthrene	ND	ug/kg	40000					
Ethyl Methanesulfonate	ND	ug/kg	30000					
Acetophenone	ND	ug/kg	40000					
Nitrosodipiperidine	ND	ug/kg	40000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	20000					
n-Nitrosodimethylamine	ND	ug/kg	100000					
2,4,6-Trichlorophenol	ND	ug/kg	10000					
p-Chloro-m-cresol	ND	ug/kg	10000					
2-Chlorophenol	ND	ug/kg	12000					
2,4-Dichlorophenol	ND	ug/kg	20000					
2,4-Dimethylphenol	ND	ug/kg	20000					
2-Nitrophenol	ND	ug/kg	40000					
4-Nitrophenol	ND	ug/kg	20000					
2,4-Dinitrophenol	ND	ug/kg	40000					
4,6-Dinitro-o-cresol	ND	ug/kg	40000					
Pentachlorophenol	ND	ug/kg	40000					
Phenol	75000	ug/kg	14000					
2-Methylphenol	ND	ug/kg	12000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	12000					
2,4,5-Trichlorophenol	ND	ug/kg	10000					
2,6-Dichlorophenol	ND	ug/kg	20000					
Benzoic Acid	ND	ug/kg	100000					
Benzyl Alcohol	200000	ug/kg	20000					
Carbazole	ND	ug/kg	10000					
Pyridine	ND	ug/kg	100000					
2-Picoline	ND	ug/kg	40000					
Pronamide	ND	ug/kg	40000					
Methyl methanesulfonate	ND	ug/kg	40000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Polychlorinated Biphenyls				1	8082	1125 15:25	1126 21:36	AK
Aroclor 1221	ND	ug/kg	250.					
Aroclor 1232	ND	ug/kg	250.					
Aroclor 1242/1016	ND	ug/kg	250.					
Aroclor 1248	ND	ug/kg	250.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212027-07
PE315-ACS SC3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls continued				1	8082	1125 15:25	1126 21:36	AK
Aroclor 1254	ND	ug/kg	250.					
Aroclor 1260	ND	ug/kg	250.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	114.	%	30-150					
Decachlorobiphenyl	108.	%	30-150					
Extractable Total Petroleum Hydrocarbons				11	3-99	1125 15:10	1203 18:32	BW
ETPH-CT	510000	ug/kg	5000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	79.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-08
PE317-CS FP
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	2.5	mg/kg	2.0	1	6010B	1113 16:30	1115 17:23	MG
Barium, Total	35.	mg/kg	2.0	1	6010B	1113 16:30	1115 17:23	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	1126 15:00	1202 12:13	DM
Selenium, Total	ND	mg/kg	3.9	1	6010B	1113 16:30	1115 17:23	MG
Silver, Total	ND	mg/kg	2.0	1	6010B	1113 16:30	1115 17:23	MG
TCLP Metals								
TCLP Extraction				1	1311	1125 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1126 13:20	1127 10:05	MG
Barium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 10:05	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 10:05	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1126 13:20	1127 10:05	MG
Lead, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 10:05	MG
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1126 17:10	1127 09:45	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 10:05	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 10:05	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-09
PE318-CS ACS
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	3.0	mg/kg	2.0	1	6010B	1113 16:30	1115 17:27	MG
Barium, Total	160	mg/kg	2.0	1	6010B	1113 16:30	1115 17:27	MG
Mercury, Total	0.48	mg/kg	0.07	1	7471A	1126 15:00	1202 12:13	DM
Selenium, Total	ND	mg/kg	3.9	1	6010B	1113 16:30	1115 17:27	MG
Silver, Total	2.2	mg/kg	2.0	1	6010B	1113 16:30	1115 17:27	MG
TCLP Metals								
TCLP Extraction				1	1311	1126 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1127 14:10	1202 09:39	RW
Barium, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 09:39	RW
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1127 14:10	1202 09:39	RW
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1127 14:10	1202 09:39	RW
Lead, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 09:39	RW
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1202 17:05	1203 10:31	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 09:39	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	1127 14:10	1202 09:39	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-10
PE321-ACL VALVES
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	5.4	mg/kg	2.0	1	6010B	1115 13:15	1118 09:11	RW
Barium, Total	71.	mg/kg	2.0	1	6010B	1115 13:15	1118 09:11	RW
Mercury, Total	ND	mg/kg	0.08	1	7471A	1126 15:00	1202 12:13	DM
Selenium, Total	ND	mg/kg	4.0	1	6010B	1115 13:15	1118 09:11	RW
Silver, Total	ND	mg/kg	2.0	1	6010B	1115 13:15	1118 09:11	RW
TCLP Metals								
TCLP Extraction				1	1311	1126 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1127 14:10	1202 09:42	RW
Barium, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 09:42	RW
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1127 14:10	1202 09:42	RW
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1127 14:10	1202 09:42	RW
Lead, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 09:42	RW
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1202 17:05	1203 10:32	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 09:42	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	1127 14:10	1202 09:42	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212027-11
PE322-ACL PIPES
Sample Matrix: SOLID

Date Collected: 06-NOV-2002 00:00
Date Received : 22-NOV-2002
Date Reported : 04-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	3.7	mg/kg	1.9	1	6010B	1115 13:15	1118 09:33	RW
Barium, Total	66.	mg/kg	1.9	1	6010B	1115 13:15	1118 09:33	RW
Mercury, Total	ND	mg/kg	0.07	1	7471A	1126 15:00	1202 12:13	DM
Selenium, Total	ND	mg/kg	3.8	1	6010B	1115 13:15	1118 09:33	RW
Silver, Total	ND	mg/kg	1.9	1	6010B	1115 13:15	1118 09:33	RW
TCLP Metals								
TCLP Extraction				1	1311	1126 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1127 14:10	1202 09:49	RW
Barium, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 09:49	RW
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1127 14:10	1202 09:49	RW
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1127 14:10	1202 09:49	RW
Lead, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 09:49	RW
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1202 17:05	1203 10:36	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 09:49	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	1127 14:10	1202 09:49	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0212027

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Total Metals for sample(s) 02-03,05-11 (L0212027-09, WG128656)					
Mercury, Total	0.48	0.48	mg/kg	0	45
Total Metals for sample(s) 01,04 (L0212027-01, WG128755)					
Mercury, Total	ND	ND	mg/kg	NC	45
TCLP Metals for sample(s) 01-08 (L0212027-01, WG128598)					
Arsenic, TCLP	ND	ND	mg/l	NC	
Barium, TCLP	ND	ND	mg/l	NC	
Cadmium, TCLP	ND	ND	mg/l	NC	
Chromium, TCLP	ND	ND	mg/l	NC	
Lead, TCLP	ND	ND	mg/l	NC	
Selenium, TCLP	ND	ND	mg/l	NC	
Silver, TCLP	ND	ND	mg/l	NC	
TCLP Metals for sample(s) 09-11 (L0211975-01, WG128686)					
Arsenic, TCLP	ND	ND	mg/l	NC	
Barium, TCLP	ND	ND	mg/l	NC	
Cadmium, TCLP	ND	ND	mg/l	NC	
Chromium, TCLP	ND	ND	mg/l	NC	
Lead, TCLP	ND	ND	mg/l	NC	
Selenium, TCLP	ND	ND	mg/l	NC	
Silver, TCLP	ND	ND	mg/l	NC	
TCLP Metals for sample(s) 01-08 (L0211955-01, WG128627)					
Mercury, TCLP	ND	ND	mg/l	NC	
TCLP Metals for sample(s) 09-11 (L0212027-10, WG128756)					
Mercury, TCLP	ND	ND	mg/l	NC	
Polychlorinated Biphenyls for sample(s) 04-07 (L0212027-04, WG128453)					
Aroclor 1221	ND	ND	ug/kg	NC	50
Aroclor 1232	ND	ND	ug/kg	NC	50
Aroclor 1242/1016	ND	ND	ug/kg	NC	50
Aroclor 1248	ND	ND	ug/kg	NC	50
Aroclor 1254	ND	ND	ug/kg	NC	50
Aroclor 1260	ND	ND	ug/kg	NC	50
Surrogate(s)	Recovery				QC Criteria
2,4,5,6-Tetrachloro-m-xylene	64.0	104.	%	48	30-150
Decachlorobiphenyl	63.0	98.0	%	43	30-150
Extractable Total Petroleum Hydrocarbons for sample(s) 04-07 (L0212027-06, WG128452)					
ETPH-CT	440000	160000	ug/kg	93	
Surrogate(s)	Recovery				QC Criteria
o-Terphenyl	85.0	69.0	%	21	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0212027

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-09 (WG128723)		
Arsenic, Total	106	70-140
Barium, Total	94	70-140
Selenium, Total	110	70-140
Silver, Total	77	70-140
Total Metals LCS for sample(s) 10-11 (WG128724)		
Arsenic, Total	102	70-140
Barium, Total	97	70-140
Selenium, Total	110	70-140
Silver, Total	82	70-140
Total Metals LCS for sample(s) 02-03,05-11 (WG128656)		
Mercury, Total	88	60-140
Total Metals LCS for sample(s) 01,04 (WG128755)		
Mercury, Total	83	60-140
TCLP Metals LCS for sample(s) 01-08 (WG128598)		
Arsenic, TCLP	110	
Barium, TCLP	98	
Cadmium, TCLP	100	
Chromium, TCLP	98	
Lead, TCLP	99	
Selenium, TCLP	105	
Silver, TCLP	110	
TCLP Metals LCS for sample(s) 09-11 (WG128686)		
Arsenic, TCLP	108	
Barium, TCLP	105	
Cadmium, TCLP	106	
Chromium, TCLP	100	
Lead, TCLP	110	
Selenium, TCLP	108	
Silver, TCLP	90	
TCLP Metals LCS for sample(s) 01-08 (WG128627)		
Mercury, TCLP	100	
TCLP Metals LCS for sample(s) 09-11 (WG128756)		
Mercury, TCLP	83	
SVOC's by GC/MS 8270 LCS for sample(s) 04-07 (WG128454)		
Acenaphthene	66	31-137
1,2,4-Trichlorobenzene	52	38-107
2-Chloronaphthalene	61	
1,2-Dichlorobenzene	48	
1,4-Dichlorobenzene	48	28-104
2,4-Dinitrotoluene	91	28-89

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0212027

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 8270 LCS for sample(s) 04-07 (WG128454)		
2,6-Dinitrotoluene	81	
Fluoranthene	94	
4-Chlorophenyl phenyl ether	71	
n-Nitrosodi-n-propylamine	56	41-126
Butyl benzyl phthalate	98	
Anthracene	80	
Pyrene	99	35-142
Hexachloropropene	51	
P-Chloro-M-Cresol	64	26-103
2-CHLOROPHENOL	50	25-102
2-Nitrophenol	54	
4-Nitrophenol	70	11-114
2,4-Dinitrophenol	78	
Pentachlorophenol	88	17-109
Phenol	47	26-90
Surrogate(s)		
2-Fluorophenol	50	25-120
Phenol-d6	52	10-120
Nitrobenzene-d5	60	23-120
2-Fluorobiphenyl	62	30-120
2,4,6-Tribromophenol	77	19-120
4-Terphenyl-d14	85	18-120
Polychlorinated Biphenyls LCS for sample(s) 04-07 (WG128453)		
Aroclor 1242/1016	44	40-140
Aroclor 1260	41	40-140
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	42	30-150
Decachlorobiphenyl	41	30-150
Extractable Total Petroleum Hydrocarbons LCS for sample(s) 04-07 (WG128452)		
ETPH-CT	96	
Surrogate(s)		
o-Terphenyl	91	
Total Metals SPIKE for sample(s) 01-09 (L0212027-03, WG128723)		
Arsenic, Total	100	70-140
Barium, Total	90	70-140
Selenium, Total	101	70-140
Silver, Total	78	70-140
Total Metals SPIKE for sample(s) 02-03,05-11 (L0212027-10, WG128656)		
Mercury, Total	110	60-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0212027

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01,04 (L0212027-04, WG128755)		
Mercury, Total	110	60-140
TCLP Metals SPIKE for sample(s) 01-08 (L0212027-02, WG128598)		
Arsenic, TCLP	100	
Barium, TCLP	96	
Cadmium, TCLP	98	
Chromium, TCLP	96	
Lead, TCLP	96	
Selenium, TCLP	105	
Silver, TCLP	110	
TCLP Metals SPIKE for sample(s) 09-11 (L0211975-02, WG128686)		
Arsenic, TCLP	108	
Barium, TCLP	105	
Cadmium, TCLP	108	
Chromium, TCLP	105	
Lead, TCLP	110	
Selenium, TCLP	117	
Silver, TCLP	94	
TCLP Metals SPIKE for sample(s) 01-08 (L0211955-01, WG128627)		
Mercury, TCLP	129	
TCLP Metals SPIKE for sample(s) 09-11 (L0212027-11, WG128756)		
Mercury, TCLP	127	
Extractable Total Petroleum Hydrocarbons SPIKE for sample(s) 04-07 (L0212027-06, WG128452)		
ETPH-CT	270	
Surrogate(s)		
o-Terphenyl	108	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0212027

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-09 (WG128723-2)								
Total Metals				1	3051			
Arsenic, Total	ND	mg/kg	2.0	1	6010B	1113 16:30	1115 13:40	MG
Barium, Total	ND	mg/kg	2.0	1	6010B	1113 16:30	1115 13:40	MG
Selenium, Total	ND	mg/kg	4.0	1	6010B	1113 16:30	1115 13:40	MG
Silver, Total	ND	mg/kg	2.0	1	6010B	1113 16:30	1115 13:40	MG
Blank Analysis for sample(s) 10-11 (WG128724-1)								
Total Metals				1	3051			
Arsenic, Total	ND	mg/kg	2.0	1	6010B	1115 13:15	1118 08:39	RW
Barium, Total	ND	mg/kg	2.0	1	6010B	1115 13:15	1118 08:39	RW
Selenium, Total	ND	mg/kg	4.0	1	6010B	1115 13:15	1118 08:39	RW
Silver, Total	ND	mg/kg	2.0	1	6010B	1115 13:15	1118 08:39	RW
Blank Analysis for sample(s) 02-03,05-11 (WG128656-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	1126 15:00	1202 12:13	DM
Blank Analysis for sample(s) 01,04 (WG128755-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.20	1	7471A	1202 17:05	1203 09:45	DM
Blank Analysis for sample(s) 01-08 (WG128598-3)								
TCLP Metals								
TCLP Extraction				1	1311	1125 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1126 13:20	1127 08:59	MG
Barium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 08:59	MG
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 08:59	MG
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1126 13:20	1127 08:59	MG
Lead, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 08:59	MG
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1126 13:20	1127 08:59	MG
Silver, TCLP	ND	mg/l	0.10	1	6010B	1126 13:20	1127 08:59	MG
Blank Analysis for sample(s) 09-11 (WG128686-3)								
TCLP Metals								
TCLP Extraction				1	1311	1126 17:00		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	1127 14:10	1202 08:53	RW
Barium, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 08:53	RW
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	1127 14:10	1202 08:53	RW
Chromium, TCLP	ND	mg/l	0.20	1	6010B	1127 14:10	1202 08:53	RW
Lead, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 08:53	RW
Selenium, TCLP	ND	mg/l	0.50	1	6010B	1127 14:10	1202 08:53	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	1127 14:10	1202 08:53	RW

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0212027

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-08 (WG128627-4)								
TCLP Metals								
TCLP Extraction				1	1311	1125 17:00		
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1126 17:10	1127 09:16	DM
Blank Analysis for sample(s) 09-11 (WG128756-4)								
TCLP Metals								
TCLP Extraction				1	1311	1126 17:00		
Mercury, TCLP	ND	mg/l	0.005	1	7470A	1202 17:05	1203 10:14	DM
Blank Analysis for sample(s) 04-07 (WG128454-1)								
SVOC's by GC/MS 8270				1	8270C	1125 15:20	1126 21:49	HL
Acenaphthene	ND	ug/kg	500					
Benzidine	ND	ug/kg	5000					
1,2,4-Trichlorobenzene	ND	ug/kg	500					
Hexachlorobenzene	ND	ug/kg	500					
Bis(2-chloroethyl)ether	ND	ug/kg	500					
1-Chloronaphthalene	ND	ug/kg	500					
2-Chloronaphthalene	ND	ug/kg	600					
1,2-Dichlorobenzene	ND	ug/kg	500					
1,3-Dichlorobenzene	ND	ug/kg	500					
1,4-Dichlorobenzene	ND	ug/kg	500					
3,3'-Dichlorobenzidine	ND	ug/kg	5000					
2,4-Dinitrotoluene	ND	ug/kg	600					
2,6-Dinitrotoluene	ND	ug/kg	500					
Azobenzene	ND	ug/kg	500					
Fluoranthene	ND	ug/kg	500					
4-Chlorophenyl phenyl ether	ND	ug/kg	500					
4-Bromophenyl phenyl ether	ND	ug/kg	500					
Bis(2-chloroisopropyl)ether	ND	ug/kg	500					
Bis(2-chloroethoxy)methane	ND	ug/kg	500					
Hexachlorobutadiene	ND	ug/kg	1000					
Hexachlorocyclopentadiene	ND	ug/kg	1000					
Hexachloroethane	ND	ug/kg	500					
Isophorone	ND	ug/kg	500					
Naphthalene	ND	ug/kg	500					
Nitrobenzene	ND	ug/kg	500					
NDPA/DPA	ND	ug/kg	1500					
n-Nitrosodi-n-propylamine	ND	ug/kg	500					
Bis(2-ethylhexyl)phthalate	ND	ug/kg	1000					
Butyl benzyl phthalate	ND	ug/kg	500					
Di-n-butylphthalate	ND	ug/kg	500					
Di-n-octylphthalate	ND	ug/kg	500					
Diethyl phthalate	ND	ug/kg	500					
Dimethyl phthalate	ND	ug/kg	500					
Benzo(a)anthracene	ND	ug/kg	500					
Benzo(a)pyrene	ND	ug/kg	500					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0212027

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 04-07 (WG128454-1)								
SVOC's by GC/MS 8270 continued				1	8270C	1125 15:20	1126 21:49	HL
Benzo(b)fluoranthene	ND	ug/kg	500					
Benzo(k)fluoranthene	ND	ug/kg	500					
Chrysene	ND	ug/kg	500					
Acenaphthylene	ND	ug/kg	500					
Anthracene	ND	ug/kg	500					
Benzo(ghi)perylene	ND	ug/kg	500					
Fluorene	ND	ug/kg	500					
Phenanthrene	ND	ug/kg	500					
Dibenzo(a,h)anthracene	ND	ug/kg	500					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	500					
Pyrene	ND	ug/kg	500					
Benzo(e)pyrene	ND	ug/kg	500					
Biphenyl	ND	ug/kg	500					
Perylene	ND	ug/kg	500					
Aniline	ND	ug/kg	1000					
4-Chloroaniline	ND	ug/kg	500					
1-Methylnaphthalene	ND	ug/kg	500					
2-Nitroaniline	ND	ug/kg	500					
3-Nitroaniline	ND	ug/kg	500					
4-Nitroaniline	ND	ug/kg	700					
Dibenzofuran	ND	ug/kg	500					
a,a-Dimethylphenethylamine	ND	ug/kg	5000					
Hexachloropropene	ND	ug/kg	5000					
Nitrosodi-n-butylamine	ND	ug/kg	1000					
2-Methylnaphthalene	ND	ug/kg	800					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	2000					
Pentachlorobenzene	ND	ug/kg	2000					
a-Naphthylamine	ND	ug/kg	2000					
b-Naphthylamine	ND	ug/kg	2000					
Phenacetin	ND	ug/kg	1000					
Dimethoate	ND	ug/kg	2000					
4-Aminobiphenyl	ND	ug/kg	1000					
Pentachloronitrobenzene	ND	ug/kg	1000					
Isodrin	ND	ug/kg	1000					
p-Dimethylaminoazobenzene	ND	ug/kg	1000					
Chlorobenzilate	ND	ug/kg	2000					
3-Methylcholanthrene	ND	ug/kg	2000					
Ethyl Methanesulfonate	ND	ug/kg	1500					
Acetophenone	ND	ug/kg	2000					
Nitrosodipiperidine	ND	ug/kg	2000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	1000					
n-Nitrosodimethylamine	ND	ug/kg	5000					
2,4,6-Trichlorophenol	ND	ug/kg	500					
p-Chloro-m-cresol	ND	ug/kg	500					
2-Chlorophenol	ND	ug/kg	600					
2,4-Dichlorophenol	ND	ug/kg	1000					
2,4-Dimethylphenol	ND	ug/kg	1000					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0212027

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 04-07 (WG128454-1)								
SVOC's by GC/MS 8270 continued				1	8270C	1125 15:20	1126 21:49	HL
2-Nitrophenol	ND	ug/kg	2000					
4-Nitrophenol	ND	ug/kg	1000					
2,4-Dinitrophenol	ND	ug/kg	2000					
4,6-Dinitro-o-cresol	ND	ug/kg	2000					
Pentachlorophenol	ND	ug/kg	2000					
Phenol	ND	ug/kg	700					
2-Methylphenol	ND	ug/kg	600					
3-Methylphenol/4-Methylphenol	ND	ug/kg	600					
2,4,5-Trichlorophenol	ND	ug/kg	500					
2,6-Dichlorophenol	ND	ug/kg	1000					
Benzoic Acid	ND	ug/kg	5000					
Benzyl Alcohol	ND	ug/kg	1000					
Carbazole	ND	ug/kg	500					
Pyridine	ND	ug/kg	5000					
2-Picoline	ND	ug/kg	2000					
Pronamide	ND	ug/kg	2000					
Methyl methanesulfonate	ND	ug/kg	2000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	51.0	%	25-120					
Phenol-d6	53.0	%	10-120					
Nitrobenzene-d5	60.0	%	23-120					
2-Fluorobiphenyl	58.0	%	30-120					
2,4,6-Tribromophenol	69.0	%	19-120					
4-Terphenyl-d14	89.0	%	18-120					
Blank Analysis for sample(s) 04-07 (WG128453-1)								
Polychlorinated Biphenyls				1	8082	1125 15:25	1126 18:45	AK
Aroclor 1221	ND	ug/kg	250.					
Aroclor 1232	ND	ug/kg	250.					
Aroclor 1242/1016	ND	ug/kg	250.					
Aroclor 1248	ND	ug/kg	250.					
Aroclor 1254	ND	ug/kg	250.					
Aroclor 1260	ND	ug/kg	250.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	99.0	%	30-150					
Decachlorobiphenyl	95.0	%	30-150					
Blank Analysis for sample(s) 04-07 (WG128452-1)								
Extractable Total Petroleum Hydrocarbons				11	3-99	1125 15:10	1203 03:09	BW
ETPH-CT	ND	ug/kg	5000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	85.0	%						

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

11. Analysis of Extractable Petroleum Hydrocarbons (ETPH) Using Methylene Chloride Gas Chromatograph/Flame Ionization Detection. Environmental Research Institute, University of Connecticut. March 1999.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 11/12

ALPHA Job #: L0211240

ALPHA Analytical Laboratories
Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr, Ste 3B
Rocky Hill, CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure-Etch
Project Location: Thomaston, CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 11/19 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker _____
(Default based on Regulatory Criteria indicated)
Other Formats _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: _____
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments
Hazardous waste Closure

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cadmium (total)	Chromium (total)	Copper (total)	Lead (total)	Nickel (total)	Zinc (total)	As, Ba, Hg, Se, Ag (total)	TCLP RCRA 8					Sample Specific Comments
1	PE301-CM1	6/4/02		CC	CAM	X	X	X	X	X	X	●	●					● Denotes
2	PE302-NWCP	10/22/02			GP	X	X	X	X	X	X							additional requested
3	PE303-ALS NKI Barm					X	X	X	X	X	X							analysis.
4	PE304-ACL					X	X	X	X	X	X	●	●					per: CAMcatherly 11/22/02
5	PE305-TR2	11/6/02			GPA	X	X	X	X	X	X							
6	PE306-CM2					X	X	X	X	X	X	●	●					
7	PE307-CM2					X	X	X	X	X	X							
8	PE308-CM1					X	X	X	X	X	X							
9	PE309-CM1					X	X	X	X	X	X							
10	PE310-ALSSR					X	X	X	X	X	X							

Submitted by ALPHA Lab (Lab Use Only)

Container Type	G	→	→	→	→	→								
Preservative	A	→	→	→	→	→								

Relinquished By:	Date/Time	Received By	Date/Time
Christine Mathenly	11/12/02 1415	L Edmonds	11/12/02 1415
L Edmonds			11/12 1400

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms and Conditions.

Form No 02-02 STD

CHAIN OF CUSTODY PAGE 2 OF 3

ALPHA Job #: L0211740

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr. Ste 3B Rocky Hill, CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure-Etch
Project Location: Thomaston, CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (pre-approval required)
Date Due: 11/19 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: _____
Report to (if different than Project Manager): _____

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Hazardous Waste Closure
* Total Cyanide Method EPA 335.2/9010B
** Total Sulfide Method EPA 376.2/9030B

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cadmium (total)	Chromium (total)	Copper (total)	Lead (total)	Nickel (total)	Zinc (total)	Total Cyanide*	Total Sulfide**	As, Ba, Hg, Se, Ag (total)	PCBs	CT ETPH	8270C	TCLP RCRA 8	Sample Specific Comments
PE311 - ALS NK/CR	11/6/02		CC	GPA	X	X	X	X	X	X								• Additional
PE312 - FP					X	X	X	X	X	X			●	●	●	●	●	requested
PE313 - ACS VC/B1					X	X	X	X	X	X	X	X	●	●	●	●	●	analysis
PE314 - ACS C1/WT4					X	X	X	X	X	X	X	X	●	●	●	●	●	C. Matherly 11/22/02
PE315 - ACS SC3					X	X	X	X	X	X	X	X	●	●	●	●	●	
PE316 - CS EH					X	X	X	X	X	X								
PE317 - CS FP					X	X	X	X	X	X			●				●	
PE318 - CS ACS					X	X	X	X	X	X			●				●	
PE319 - CS TR2					X	X	X	X	X	X								
PE320 - CS O/H DR					X	X	X	X	X	X								

Container Type: G
Preservative: A

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms and Conditions.

Relinquished By:	Date/Time	Received By:	Date/Time
Christie Matherly	11/12/02 1415	L Edmonds	11/12/02 1415
L Edmonds			11/12/1800

Form No 02-02 STD

CHAIN OF CUSTODY

PAGE 3 OF 3

ALPHA Job #: L2111740

Eight Walkup Drive Westborough, MA 01581
TEL. 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr. Ste 3B, Rocky Hill, CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure-Etch
Project Location: Thomaston, CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 11/19 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: _____
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

Hazardous Waste Closure

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Alpha Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cadmium (Total)	Chromium (Total)	Copper (Total)	Lead (Total)	Nickel (Total)	Zinc (Total)	Pb, Ba, Hg, Se, Ag (Total)	TCLP RCRA8					Sample Specific Comments
01	PE321-ACL VALVES	11/6/02		CC	GPA	X	X	X	X	X	X	●	●					● Additional Requested analysis C. Matherly 11/27/02
02	PE322-ACL PIPES	↓		↓	↓	X	X	X	X	X	X	●	●					
03	PE323-ENTRY	↓		↓	↓	X	X	X	X	X	X							

Container Type: G →
Preservative: A →

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Matherly	11/12/02 1415	L Edmonds	11/12/02 1415
L Edmonds			11/12 1800

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions.

Form No. 02-02 STD

CHAIN OF CUSTODY

PAGE ____ OF ____

Date Rec'd in Lab: [illegible]

ALPHA Job #: L0211027

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS-CT-M
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch
Project Location: Thomaston, CT
Project #: 36908301
Project Manager:
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/3/02 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: ____
(Default based on Regulatory Criteria Indicated)
Other Formats: ____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: ____
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Relog of L0211540-01,04,06,12-15,17,18,21

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP RCRA8	T.Hg,Ba,Hg,Se,Ag PCB,ETPH,8270	Sample Specific Comments	Total # Bottles
12027	PE 301 - CM1	6/4/02		C		X	X		
	PE 304 - ACG	10/22							
	PE 306 - CM2	11/6/02							
	PE 312 - PP	11/6/02					X		
	PE 313 - ACS VC/B1						X		
	PE 314 - ACS C1/WT4						X		
	PE 315 - ACS SC3						X		
	PE 317 - CS FP								
	PE 318 - CS ACS								
	PE 321 - ACL Valves								

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Shaded Gray Areas For Lab Use Only

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
		Omar Zaldumbide	11/22/02 2050

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 11/22/02

ALPHA Job #: L0218027

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS-CT-H

Address:

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 12/3/02 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

Relog of L0211540-22

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP RCRA8	Total As, Ba, Hg, Se, Ag										Sample Specific Comments	TOTAL # BOTTLES
12087	PE 323 - ~~Entry~~ ACL Pipes	11/6		C		X	X											

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Shaded Gray Areas For Lab Use Only

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
		Denise Fadlewicz	11/22/02 2:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 1 OF 3

ALPHA Job #: L0212590

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr Ste 3B
Rocky Hill, CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure-Etch
Project Location: Thomaston, CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 11/19 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Hazardous Waste Closure

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cadmium (total)	Chromium (total)	Copper (total)	Lead (total)	Nickel (total)	Zinc (total)							Sample Specific Comments	Total # Bottles
	PE301-CM1	6/4/02		CC	CAM	X	X	X	X	X	X								1
	PE302-NWCP	10/22/02			GP	X	X	X	X	X	X								
	PE303-ALS NKI Berm					X	X	X	X	X	X								
	PE304-ACL					X	X	X	X	X	X								
	PE305-TR2	11/6/02			GPA	X	X	X	X	X	X								
	PE306-CM2					X	X	X	X	X	X								
	PE307-CM2					X	X	X	X	X	X								
	PE308-CM1					X	X	X	X	X	X								
	PE309-CM1					X	X	X	X	X	X								
	PE310-ALS SR					X	X	X	X	X	X								

Shaded areas are for Alpha use Only

Container Type	G	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Preservative	A	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Matherly	11/12/02 1415	L Edmonds	11/12/02 1415
L Edmonds			11/12 1500

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA Job #: L0211540

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr, Ste 3B
Rocky Hill, CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure-Etch
Project Location: Thomaston, CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 11/19 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

Hazardous Waste Closure

* Total Cyanide Method EPA 335.2/9010B
** Total Sulfide Method EPA 376.2/9030B

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cadmium (total)	Chromium (total)	Copper (total)	Lead (total)	Nickel (total)	Zinc (total)	Total Cyanide*	Total Sulfide**					Sample Specific Comments	TOTAL # BOTTLES
	PE311 - ALS NK/CR	11/6/02		CC	GPA	X	X	X	X	X	X								
	PE312 - FP					X	X	X	X	X	X								
	PE313 - ACS VC/BI					X	X	X	X	X	X	X	X						
	PE314 - ACS CI/WT4					X	X	X	X	X	X	X	X						
	PE315 - ACS SC3					X	X	X	X	X	X	X	X						
	PE316 - CS EH					X	X	X	X	X	X								
	PE317 - CS FP					X	X	X	X	X	X								
	PE318 - CS ACS					X	X	X	X	X	X								
	PE319 - CS TR2					X	X	X	X	X	X								
	PE320 - CS O/H DR					X	X	X	X	X	X								

Container Type: G
Preservative: A

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mathuly	11/12/02 1415	L Edmonds	11/12/02 1415
L Edmonds			11/12/02 1800

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 3 OF 3

ALPHA Job # [illegible]

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr. Ste 3B
Rocky Hill, CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_alicandro@urscorp.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure - Etch
Project Location: Thomaston, CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 4/19 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: _____

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

Hazardous Waste Closure

ALPHA Lab ID (Lab use only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Cadmium (total)	Chromium (total)	Copper (total)	Lead (total)	Nickel (total)	Zinc (total)							Sample Specific Comments	Total # Bottles
	PE321-ACL VALVES	11/6/02		CC	GPA	X	X	X	X	X	X								1
	PE322-ACL PIPES	↓		↓	↓	X	X	X	X	X	X								↓
	PE323-ENTRY	↓		↓	↓	X	X	X	X	X	X								↓

Container Type: G →
Preservative: A →

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Shaded Sections Applicable to Lab Use Only

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mathieu	11/12/02 1415	L Edmonds	11/12/02 1415
L Edmonds			11/12 1800

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: 36908301

Site: PURE ETCH CT

Laboratory Job Number: L0212430

Date Received: 06-DEC-2002

Date Reported: 13-DEC-2002

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0212430-01	PE229-EH	THOMASTON, CT
L0212430-02	PE230-E2	THOMASTON, CT
L0212430-03	PE231-E1	THOMASTON, CT
L0212430-04	PE232-ER2	THOMASTON, CT
L0212430-05	PE233-D1	THOMASTON, CT
L0212430-06	PE234-S2	THOMASTON, CT
L0212430-07	PE235-S1	THOMASTON, CT
L0212430-08	PE236-VC2	THOMASTON, CT
L0212430-09	PE237-WT4	THOMASTON, CT
L0212430-10	PE238-B1	THOMASTON, CT
L0212430-11	PE239-C1	THOMASTON, CT
L0212430-12	PE240-WT1	THOMASTON, CT
L0212430-13	PE241-WT2	THOMASTON, CT
L0212430-14	PE242-WT3	THOMASTON, CT
L0212430-15	PE243-CHCW	THOMASTON, CT
L0212430-16	PE244-WWVC2	THOMASTON, CT
L0212430-17	PE245-T1	THOMASTON, CT
L0212430-18	PE246-ER1	THOMASTON, CT
L0212430-19	PE247-E1	THOMASTON, CT
L0212430-20	PE248-E2	THOMASTON, CT
L0212430-21	PE249-S1	THOMASTON, CT
L0212430-22	PE250-S2	THOMASTON, CT
L0212430-23	PE251-VC2	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean

Scott McLean - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0212430

Alpha Report L0212430:

Extractable Total Petroleum Hydrocarbons

Alpha Sample L0212430-16 has elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the sample.

SemiVolatile Organics

Alpha Sample L0212430-16 has elevated limits of detection due to the dilutions required by the elevated concentrations of non-target compounds in the sample.

No surrogates could be recovered on Alpha Sample L0212430-16 due to sample matrix. The surrogates were diluted out in order to quantitate the sample.

One of the matrix spike percent recoveries is above the acceptance criteria for the method. All associated samples were non-detect for the affected compound, therefore no further action was taken.

Total Metals

The analysis of Mercury on Alpha Samples L0212430-05 and -12 has elevated limits of detection due to insufficient sample volume.

The matrix spike percent recovery for the analysis of Arsenic associated with Alpha Samples L0212430-01, -03, -04, -06 through -11 and -14 is outside the in-house acceptance criteria for the method. A post analytical spike was performed with an acceptable recovery of 104%.

The matrix spike percent recovery for the analysis of Copper associated with Alpha Samples L0212430-01, -03, -04, -06 through -11 and -14 is outside the in-house acceptance criteria for the method. A post analytical spike was performed with an acceptable recovery of 102%.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-01
PE229-EH
Sample Matrix: SOLID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	22.	1	6010B	1209 15:40	1210 09:32	MG
Arsenic, Total	10.	mg/kg	4.3	1	6010B	1209 15:40	1210 09:32	MG
Beryllium, Total	ND	mg/kg	2.2	1	6010B	1209 15:40	1210 09:32	MG
Cadmium, Total	9.5	mg/kg	4.3	1	6010B	1209 15:40	1210 09:32	MG
Chromium, Total	2700	mg/kg	4.3	1	6010B	1209 15:40	1210 09:32	MG
Copper, Total	57000	mg/kg	43.	1	6010B	1209 15:40	1210 10:43	MG
Lead, Total	210	mg/kg	22.	1	6010B	1209 15:40	1210 09:32	MG
Mercury, Total	4.0	mg/kg	0.43	1	7471A	1212 16:30	1213 09:56	DM
Nickel, Total	150000	mg/kg	110	1	6010B	1209 15:40	1210 10:43	MG
Selenium, Total	ND	mg/kg	8.6	1	6010B	1209 15:40	1210 09:32	MG
Silver, Total	40.	mg/kg	4.3	1	6010B	1209 15:40	1210 09:32	MG
Thallium, Total	ND	mg/kg	4.3	1	6010B	1209 15:40	1210 09:32	MG
Zinc, Total	1900	mg/kg	22.	1	6010B	1209 15:40	1210 09:32	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-02
PE230-E2
Sample Matrix: LIQUID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3015			
Antimony, Total	0.579	mg/l	0.250	1	6010B	1210 09:30	1211 09:53	MG
Arsenic, Total	0.757	mg/l	0.050	1	6010B	1210 09:30	1211 09:53	MG
Beryllium, Total	ND	mg/l	0.025	1	6010B	1210 09:30	1211 09:53	MG
Cadmium, Total	ND	mg/l	0.025	1	6010B	1210 09:30	1211 09:53	MG
Chromium, Total	1.4	mg/l	0.05	1	6010B	1210 09:30	1211 09:53	MG
Copper, Total	8.5	mg/l	0.05	1	6010B	1210 09:30	1211 09:53	MG
Lead, Total	0.362	mg/l	0.050	1	6010B	1210 09:30	1211 09:53	MG
Mercury, Total	ND	mg/l	0.0005	1	7470A	1211 15:10	1212 16:15	DM
Nickel, Total	2.41	mg/l	0.125	1	6010B	1210 09:30	1211 09:53	MG
Selenium, Total	0.061	mg/l	0.050	1	6010B	1210 09:30	1211 09:53	MG
Silver, Total	0.121	mg/l	0.035	1	6010B	1210 09:30	1211 09:53	MG
Thallium, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 09:53	MG
Zinc, Total	5.4	mg/l	0.25	1	6010B	1210 09:30	1211 09:53	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-03
PE231-E1
Sample Matrix: SOLID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Antimony, Total	3.7	mg/kg	2.0	1	6010B	1209 15:40	1210 09:37	MG
Arsenic, Total	7.7	mg/kg	0.40	1	6010B	1209 15:40	1210 09:37	MG
Beryllium, Total	2.4	mg/kg	0.20	1	6010B	1209 15:40	1210 09:37	MG
Cadmium, Total	5.9	mg/kg	0.40	1	6010B	1209 15:40	1210 09:37	MG
Chromium, Total	1500	mg/kg	0.40	1	6010B	1209 15:40	1210 09:37	MG
Copper, Total	3900	mg/kg	4.0	1	6010B	1209 15:40	1210 10:48	MG
Lead, Total	110	mg/kg	2.0	1	6010B	1209 15:40	1210 09:37	MG
Mercury, Total	6.8	mg/kg	0.20	1	7471A	1212 16:30	1213 09:56	DM
Nickel, Total	160	mg/kg	0.99	1	6010B	1209 15:40	1210 09:37	MG
Selenium, Total	ND	mg/kg	0.79	1	6010B	1209 15:40	1210 09:37	MG
Silver, Total	8.7	mg/kg	0.40	1	6010B	1209 15:40	1210 09:37	MG
Thallium, Total	ND	mg/kg	0.40	1	6010B	1209 15:40	1210 09:37	MG
Zinc, Total	730	mg/kg	20.	1	6010B	1209 15:40	1210 10:48	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-04
PE232-ER2
Sample Matrix: SOLID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	1209 15:40	1210 09:42	MG
Arsenic, Total	0.45	mg/kg	0.39	1	6010B	1209 15:40	1210 09:42	MG
Beryllium, Total	ND	mg/kg	0.20	1	6010B	1209 15:40	1210 09:42	MG
Cadmium, Total	0.48	mg/kg	0.39	1	6010B	1209 15:40	1210 09:42	MG
Chromium, Total	3.5	mg/kg	0.39	1	6010B	1209 15:40	1210 09:42	MG
Copper, Total	9.5	mg/kg	0.39	1	6010B	1209 15:40	1210 09:42	MG
Lead, Total	18.	mg/kg	2.0	1	6010B	1209 15:40	1210 09:42	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	1209 14:50	1210 10:03	DM
Nickel, Total	4.8	mg/kg	0.98	1	6010B	1209 15:40	1210 09:42	MG
Selenium, Total	ND	mg/kg	0.78	1	6010B	1209 15:40	1210 09:42	MG
Silver, Total	ND	mg/kg	0.39	1	6010B	1209 15:40	1210 09:42	MG
Thallium, Total	ND	mg/kg	0.39	1	6010B	1209 15:40	1210 09:42	MG
Zinc, Total	6.1	mg/kg	2.0	1	6010B	1209 15:40	1210 09:42	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-05
PE233-D1
Sample Matrix: LIQUID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.250	1	6010B	1210 09:30	1211 09:58	MG
Arsenic, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 09:58	MG
Beryllium, Total	ND	mg/l	0.025	1	6010B	1210 09:30	1211 09:58	MG
Cadmium, Total	ND	mg/l	0.025	1	6010B	1210 09:30	1211 09:58	MG
Chromium, Total	0.35	mg/l	0.05	1	6010B	1210 09:30	1211 09:58	MG
Copper, Total	0.43	mg/l	0.05	1	6010B	1210 09:30	1211 09:58	MG
Lead, Total	0.124	mg/l	0.050	1	6010B	1210 09:30	1211 09:58	MG
Mercury, Total	ND	mg/l	0.0010	1	7470A	1211 15:10	1212 16:16	DM
Nickel, Total	0.276	mg/l	0.125	1	6010B	1210 09:30	1211 09:58	MG
Selenium, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 09:58	MG
Silver, Total	ND	mg/l	0.035	1	6010B	1210 09:30	1211 09:58	MG
Thallium, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 09:58	MG
Zinc, Total	2.1	mg/l	0.25	1	6010B	1210 09:30	1211 09:58	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-06
PE234-S2
Sample Matrix: SOLID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	20.	1	6010B	1209 15:40	1210 09:48	MG
Arsenic, Total	110	mg/kg	4.0	1	6010B	1209 15:40	1210 09:48	MG
Beryllium, Total	8.7	mg/kg	2.0	1	6010B	1209 15:40	1210 09:48	MG
Cadmium, Total	40.	mg/kg	4.0	1	6010B	1209 15:40	1210 09:48	MG
Chromium, Total	3600	mg/kg	4.0	1	6010B	1209 15:40	1210 09:48	MG
Copper, Total	5400	mg/kg	4.0	1	6010B	1209 15:40	1210 09:48	MG
Lead, Total	750	mg/kg	20.	1	6010B	1209 15:40	1210 09:48	MG
Mercury, Total	1.2	mg/kg	0.08	1	7471A	1209 14:50	1210 10:03	DM
Nickel, Total	2500	mg/kg	10.	1	6010B	1209 15:40	1210 09:48	MG
Selenium, Total	ND	mg/kg	8.0	1	6010B	1209 15:40	1210 09:48	MG
Silver, Total	37.	mg/kg	4.0	1	6010B	1209 15:40	1210 09:48	MG
Thallium, Total	ND	mg/kg	8.0	1	6010B	1209 15:40	1210 09:48	MG
Zinc, Total	5300	mg/kg	200	1	6010B	1209 15:40	1210 10:53	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-07
PE235-S1
Sample Matrix: SOLID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	20.	1	6010B	1209 15:40	1210 09:53	MG
Arsenic, Total	19.	mg/kg	4.0	1	6010B	1209 15:40	1210 09:53	MG
Beryllium, Total	3.2	mg/kg	2.0	1	6010B	1209 15:40	1210 09:53	MG
Cadmium, Total	110	mg/kg	4.0	1	6010B	1209 15:40	1210 09:53	MG
Chromium, Total	5300	mg/kg	4.0	1	6010B	1209 15:40	1210 09:53	MG
Copper, Total	12000	mg/kg	4.0	1	6010B	1209 15:40	1210 09:53	MG
Lead, Total	540	mg/kg	20.	1	6010B	1209 15:40	1210 09:53	MG
Mercury, Total	1.1	mg/kg	0.07	1	7471A	1209 14:50	1210 10:03	DM
Nickel, Total	3300	mg/kg	9.9	1	6010B	1209 15:40	1210 09:53	MG
Selenium, Total	ND	mg/kg	8.0	1	6010B	1209 15:40	1210 09:53	MG
Silver, Total	14.	mg/kg	4.0	1	6010B	1209 15:40	1210 09:53	MG
Thallium, Total	ND	mg/kg	8.0	1	6010B	1209 15:40	1210 09:53	MG
Zinc, Total	8400	mg/kg	200	1	6010B	1209 15:40	1210 10:58	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-08
PE236-VC2
Sample Matrix: SOLID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	1209 15:40	1210 09:58	MG
Arsenic, Total	1.8	mg/kg	0.39	1	6010B	1209 15:40	1210 09:58	MG
Beryllium, Total	0.22	mg/kg	0.20	1	6010B	1209 15:40	1210 09:58	MG
Cadmium, Total	8.4	mg/kg	0.39	1	6010B	1209 15:40	1210 09:58	MG
Chromium, Total	350	mg/kg	0.39	1	6010B	1209 15:40	1210 09:58	MG
Copper, Total	2900	mg/kg	3.9	1	6010B	1209 15:40	1210 11:03	MG
Lead, Total	130	mg/kg	2.0	1	6010B	1209 15:40	1210 09:58	MG
Mercury, Total	0.91	mg/kg	0.07	1	7471A	1209 14:50	1210 10:03	DM
Nickel, Total	220	mg/kg	0.98	1	6010B	1209 15:40	1210 09:58	MG
Selenium, Total	ND	mg/kg	0.78	1	6010B	1209 15:40	1210 09:58	MG
Silver, Total	18.	mg/kg	0.39	1	6010B	1209 15:40	1210 09:58	MG
Thallium, Total	ND	mg/kg	3.9	1	6010B	1209 15:40	1210 11:03	MG
Zinc, Total	1500	mg/kg	20.	1	6010B	1209 15:40	1210 11:03	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-09
PE237-WT4
Sample Matrix: SOLID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	1209 15:40	1210 10:02	MG
Arsenic, Total	ND	mg/kg	0.40	1	6010B	1209 15:40	1210 10:02	MG
Beryllium, Total	ND	mg/kg	0.20	1	6010B	1209 15:40	1210 10:02	MG
Cadmium, Total	4.1	mg/kg	0.40	1	6010B	1209 15:40	1210 10:02	MG
Chromium, Total	95.	mg/kg	0.40	1	6010B	1209 15:40	1210 10:02	MG
Copper, Total	360	mg/kg	0.40	1	6010B	1209 15:40	1210 10:02	MG
Lead, Total	56.	mg/kg	2.0	1	6010B	1209 15:40	1210 10:02	MG
Mercury, Total	0.09	mg/kg	0.08	1	7471A	1209 14:50	1210 10:03	DM
Nickel, Total	46.	mg/kg	1.0	1	6010B	1209 15:40	1210 10:02	MG
Selenium, Total	ND	mg/kg	0.80	1	6010B	1209 15:40	1210 10:02	MG
Silver, Total	8.0	mg/kg	0.40	1	6010B	1209 15:40	1210 10:02	MG
Thallium, Total	ND	mg/kg	0.40	1	6010B	1209 15:40	1210 10:02	MG
Zinc, Total	3800	mg/kg	40.	1	6010B	1209 15:40	1210 11:24	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-10
PE238-B1
Sample Matrix: SOLID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	1209 15:40	1210 10:07	MG
Arsenic, Total	1.5	mg/kg	0.39	1	6010B	1209 15:40	1210 10:07	MG
Beryllium, Total	1.6	mg/kg	0.20	1	6010B	1209 15:40	1210 10:07	MG
Cadmium, Total	3.7	mg/kg	0.39	1	6010B	1209 15:40	1210 10:07	MG
Chromium, Total	140	mg/kg	0.39	1	6010B	1209 15:40	1210 10:07	MG
Copper, Total	280	mg/kg	0.39	1	6010B	1209 15:40	1210 10:07	MG
Lead, Total	120	mg/kg	2.0	1	6010B	1209 15:40	1210 10:07	MG
Mercury, Total	0.29	mg/kg	0.07	1	7471A	1209 14:50	1210 10:03	DM
Nickel, Total	70.	mg/kg	0.98	1	6010B	1209 15:40	1210 10:07	MG
Selenium, Total	ND	mg/kg	2.0	1	6010B	1209 15:40	1210 10:07	MG
Silver, Total	2.4	mg/kg	0.39	1	6010B	1209 15:40	1210 10:07	MG
Thallium, Total	ND	mg/kg	3.9	1	6010B	1209 15:40	1210 11:13	MG
Zinc, Total	320	mg/kg	20.	1	6010B	1209 15:40	1210 11:13	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-11
PE239-C1
Sample Matrix: SOLID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	24.	1	6010B	1209 15:40	1210 10:12	MG
Arsenic, Total	18.	mg/kg	4.8	1	6010B	1209 15:40	1210 10:12	MG
Beryllium, Total	ND	mg/kg	2.4	1	6010B	1209 15:40	1210 10:12	MG
Cadmium, Total	ND	mg/kg	4.8	1	6010B	1209 15:40	1210 10:12	MG
Chromium, Total	1800	mg/kg	4.8	1	6010B	1209 15:40	1210 10:12	MG
Copper, Total	120	mg/kg	4.8	1	6010B	1209 15:40	1210 10:12	MG
Lead, Total	600	mg/kg	24.	1	6010B	1209 15:40	1210 10:12	MG
Mercury, Total	0.50	mg/kg	0.48	1	7471A	1212 16:30	1213 09:56	DM
Nickel, Total	1200	mg/kg	12.	1	6010B	1209 15:40	1210 10:12	MG
Selenium, Total	ND	mg/kg	9.5	1	6010B	1209 15:40	1210 10:12	MG
Silver, Total	90.	mg/kg	4.8	1	6010B	1209 15:40	1210 10:12	MG
Thallium, Total	ND	mg/kg	4.8	1	6010B	1209 15:40	1210 10:12	MG
Zinc, Total	140	mg/kg	24.	1	6010B	1209 15:40	1210 10:12	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-12
PE240-WT1
Sample Matrix: LIQUID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 10:02	MG
Arsenic, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:02	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:02	MG
Cadmium, Total	0.022	mg/l	0.005	1	6010B	1210 09:30	1211 10:02	MG
Chromium, Total	0.34	mg/l	0.01	1	6010B	1210 09:30	1211 10:02	MG
Copper, Total	2.3	mg/l	0.01	1	6010B	1210 09:30	1211 10:02	MG
Lead, Total	0.214	mg/l	0.010	1	6010B	1210 09:30	1211 10:02	MG
Mercury, Total	ND	mg/l	0.0010	1	7470A	1211 15:10	1212 16:18	DM
Nickel, Total	1.71	mg/l	0.025	1	6010B	1210 09:30	1211 10:02	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:02	MG
Silver, Total	0.053	mg/l	0.007	1	6010B	1210 09:30	1211 10:02	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:02	MG
Zinc, Total	2.7	mg/l	0.05	1	6010B	1210 09:30	1211 10:02	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-13
PE241-WT2
Sample Matrix: LIQUID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 10:06	MG
Arsenic, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:06	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:06	MG
Cadmium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:06	MG
Chromium, Total	0.07	mg/l	0.01	1	6010B	1210 09:30	1211 10:06	MG
Copper, Total	0.93	mg/l	0.01	1	6010B	1210 09:30	1211 10:06	MG
Lead, Total	0.682	mg/l	0.010	1	6010B	1210 09:30	1211 10:06	MG
Mercury, Total	ND	mg/l	0.0005	1	7470A	1211 15:10	1212 16:20	DM
Nickel, Total	1.91	mg/l	0.025	1	6010B	1210 09:30	1211 10:06	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:06	MG
Silver, Total	0.027	mg/l	0.007	1	6010B	1210 09:30	1211 10:06	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:06	MG
Zinc, Total	1.7	mg/l	0.05	1	6010B	1210 09:30	1211 10:06	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-14
PE242-WT3
Sample Matrix: SOLID

Date Collected: 28-AUG-2002 00:00
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	1209 15:40	1210 10:17	MG
Arsenic, Total	1.9	mg/kg	0.41	1	6010B	1209 15:40	1210 10:17	MG
Beryllium, Total	ND	mg/kg	0.20	1	6010B	1209 15:40	1210 10:17	MG
Cadmium, Total	ND	mg/kg	0.41	1	6010B	1209 15:40	1210 10:17	MG
Chromium, Total	50.	mg/kg	0.41	1	6010B	1209 15:40	1210 10:17	MG
Copper, Total	60.	mg/kg	0.41	1	6010B	1209 15:40	1210 10:17	MG
Lead, Total	79.	mg/kg	2.0	1	6010B	1209 15:40	1210 10:17	MG
Mercury, Total	3.5	mg/kg	0.08	1	7471A	1212 16:30	1213 09:56	DM
Nickel, Total	40.	mg/kg	1.0	1	6010B	1209 15:40	1210 10:17	MG
Selenium, Total	ND	mg/kg	0.81	1	6010B	1209 15:40	1210 10:17	MG
Silver, Total	4.1	mg/kg	0.41	1	6010B	1209 15:40	1210 10:17	MG
Thallium, Total	ND	mg/kg	0.41	1	6010B	1209 15:40	1210 10:17	MG
Zinc, Total	28.	mg/kg	2.0	1	6010B	1209 15:40	1210 10:17	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-15
PE243-CHCW
Sample Matrix: LIQUID

Date Collected: 27-NOV-2002 08:40
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Chloride	31.	mg/l	1.0	1	9251		1209 20:40	DD
Nitrogen, Ammonia	0.878	mg/l	0.150	30	4500NH3-BH	1209 10:20	1210 11:45	ED
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 10:20	MG
Arsenic, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:20	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:20	MG
Cadmium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:20	MG
Chromium, Total	ND	mg/l	0.01	1	6010B	1210 09:30	1211 10:20	MG
Copper, Total	0.03	mg/l	0.01	1	6010B	1210 09:30	1211 10:20	MG
Lead, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:20	MG
Mercury, Total	ND	mg/l	0.0005	1	7470A	1211 15:10	1212 16:22	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	1210 09:30	1211 10:20	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:20	MG
Silver, Total	ND	mg/l	0.007	1	6010B	1210 09:30	1211 10:20	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:20	MG
Zinc, Total	0.06	mg/l	0.05	1	6010B	1210 09:30	1211 10:20	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-16
PE244-WWVC2
Sample Matrix: LIQUID

Date Collected: 27-NOV-2002 08:54
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Chloride	37000	mg/l	500	1	9251		1209 21:03	DD
Nitrogen, Ammonia	1840	mg/l	7.50	30	4500NH3-BH	1209 10:20	1210 11:45	ED
Total Metals				1	3015			
Antimony, Total	0.083	mg/l	0.050	1	6010B	1210 09:30	1211 10:24	MG
Arsenic, Total	0.090	mg/l	0.010	1	6010B	1210 09:30	1211 10:24	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:24	MG
Cadmium, Total	0.030	mg/l	0.005	1	6010B	1210 09:30	1211 10:24	MG
Chromium, Total	0.92	mg/l	0.01	1	6010B	1210 09:30	1211 10:24	MG
Copper, Total	23.	mg/l	0.01	1	6010B	1210 09:30	1211 10:24	MG
Lead, Total	0.090	mg/l	0.010	1	6010B	1210 09:30	1211 10:24	MG
Mercury, Total	ND	mg/l	0.0005	1	7470A	1211 15:10	1212 16:26	DM
Nickel, Total	1.76	mg/l	0.025	1	6010B	1210 09:30	1211 10:24	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:24	MG
Silver, Total	0.022	mg/l	0.007	1	6010B	1210 09:30	1211 10:24	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:24	MG
Zinc, Total	9.9	mg/l	0.50	1	6010B	1210 09:30	1212 14:42	MG
SVOC's by GC/MS 8270				1	8270C	1209 10:00	1210 15:05	HL
Acenaphthene	ND	ug/l	500					
Benzidine	ND	ug/l	5000					
1,2,4-Trichlorobenzene	ND	ug/l	500					
Hexachlorobenzene	ND	ug/l	500					
Bis(2-chloroethyl)ether	ND	ug/l	500					
1-Chloronaphthalene	ND	ug/l	500					
2-Chloronaphthalene	ND	ug/l	600					
1,2-Dichlorobenzene	ND	ug/l	500					
1,3-Dichlorobenzene	ND	ug/l	500					
1,4-Dichlorobenzene	ND	ug/l	500					
3,3'-Dichlorobenzidine	ND	ug/l	5000					
2,4-Dinitrotoluene	ND	ug/l	600					
2,6-Dinitrotoluene	ND	ug/l	500					
Azobenzene	ND	ug/l	500					
Fluoranthene	ND	ug/l	500					
4-Chlorophenyl phenyl ether	ND	ug/l	500					
4-Bromophenyl phenyl ether	ND	ug/l	500					
Bis(2-chloroisopropyl)ether	ND	ug/l	500					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212430-16
PE244-WWVC2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	1209 10:00	1210 15:05	HL
Bis(2-chloroethoxy)methane	ND	ug/l	500					
Hexachlorobutadiene	ND	ug/l	1000					
Hexachlorocyclopentadiene	ND	ug/l	1000					
Hexachloroethane	ND	ug/l	500					
Isophorone	ND	ug/l	500					
Naphthalene	ND	ug/l	500					
Nitrobenzene	ND	ug/l	500					
NDPA/DPA	ND	ug/l	1500					
n-Nitrosodi-n-propylamine	ND	ug/l	500					
Bis(2-ethylhexyl)phthalate	ND	ug/l	1000					
Butyl benzyl phthalate	ND	ug/l	500					
Di-n-butylphthalate	ND	ug/l	500					
Di-n-octylphthalate	ND	ug/l	500					
Diethyl phthalate	ND	ug/l	500					
Dimethyl phthalate	ND	ug/l	500					
Benzo(a)anthracene	ND	ug/l	500					
Benzo(a)pyrene	ND	ug/l	500					
Benzo(b)fluoranthene	ND	ug/l	500					
Benzo(k)fluoranthene	ND	ug/l	500					
Chrysene	ND	ug/l	500					
Acenaphthylene	ND	ug/l	500					
Anthracene	ND	ug/l	500					
Benzo(ghi)perylene	ND	ug/l	500					
Fluorene	ND	ug/l	500					
Phenanthrene	ND	ug/l	500					
Dibenzo(a,h)anthracene	ND	ug/l	500					
Indeno(1,2,3-cd)pyrene	ND	ug/l	700					
Pyrene	ND	ug/l	500					
Benzo(e)pyrene	ND	ug/l	500					
Biphenyl	ND	ug/l	500					
Perylene	ND	ug/l	500					
Aniline	ND	ug/l	1000					
4-Chloroaniline	ND	ug/l	500					
1-Methylnaphthalene	ND	ug/l	500					
2-Nitroaniline	ND	ug/l	500					
3-Nitroaniline	ND	ug/l	500					
4-Nitroaniline	ND	ug/l	700					
Dibenzofuran	ND	ug/l	500					
a,a-Dimethylphenethylamine	ND	ug/l	5000					
Hexachloropropene	ND	ug/l	5000					
Nitrosodi-n-butylamine	ND	ug/l	1000					
2-Methylnaphthalene	ND	ug/l	800					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	2000					
Pentachlorobenzene	ND	ug/l	2000					
a-Naphthylamine	ND	ug/l	2000					
b-Naphthylamine	ND	ug/l	2000					
Phenacetin	ND	ug/l	1000					
Dimethoate	ND	ug/l	2000					
4-Aminobiphenyl	ND	ug/l	1000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0212430-16
PE244-WWVC2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	1209 10:00	1210 15:05	HL
Pentachloronitrobenzene	ND	ug/l	1000					
Isodrin	ND	ug/l	1000					
p-Dimethylaminoazobenzene	ND	ug/l	1000					
Chlorobenzilate	ND	ug/l	2000					
3-Methylcholanthrene	ND	ug/l	2000					
Ethyl Methanesulfonate	ND	ug/l	1500					
Acetophenone	ND	ug/l	2000					
Nitrosodipiperidine	ND	ug/l	2000					
7,12-Dimethylbenz(a)anthracene	ND	ug/l	1000					
n-Nitrosodimethylamine	ND	ug/l	5000					
2,4,6-Trichlorophenol	ND	ug/l	500					
p-Chloro-m-cresol	ND	ug/l	500					
2-Chlorophenol	ND	ug/l	600					
2,4-Dichlorophenol	ND	ug/l	1000					
2,4-Dimethylphenol	ND	ug/l	1000					
2-Nitrophenol	ND	ug/l	2000					
4-Nitrophenol	ND	ug/l	1000					
2,4-Dinitrophenol	ND	ug/l	2000					
4,6-Dinitro-o-cresol	ND	ug/l	2000					
Pentachlorophenol	ND	ug/l	2000					
Phenol	ND	ug/l	700					
2-Methylphenol	ND	ug/l	600					
3-Methylphenol/4-Methylphenol	ND	ug/l	600					
2,4,5-Trichlorophenol	ND	ug/l	500					
2,6-Dichlorophenol	ND	ug/l	1000					
Benzoic Acid	6800	ug/l	5000					
Benzyl Alcohol	ND	ug/l	1000					
Carbazole	ND	ug/l	500					
Pyridine	ND	ug/l	5000					
2-Picoline	ND	ug/l	2000					
Pronamide	ND	ug/l	2000					
Methyl methanesulfonate	ND	ug/l	2000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%						
Phenol-d6	ND	%						
Nitrobenzene-d5	ND	%						
2-Fluorobiphenyl	ND	%						
2,4,6-Tribromophenol	ND	%						
4-Terphenyl-d14	ND	%						
Extractable Total Petroleum Hydrocarbons				11	3-99	1210 16:20	1213 10:13	BW
ETPH-CT	39000	ug/l	1000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	71.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-17
PE245-T1
Sample Matrix: LIQUID

Date Collected: 27-NOV-2002 10:45
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Chloride	45.	mg/l	1.0	1	9251		1209 21:04	DD
Nitrogen, Ammonia	1.13	mg/l	0.150	30	4500NH3-BH	1209 10:20	1210 11:47	ED
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 10:28	MG
Arsenic, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:28	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:28	MG
Cadmium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:28	MG
Chromium, Total	0.01	mg/l	0.01	1	6010B	1210 09:30	1211 10:28	MG
Copper, Total	0.09	mg/l	0.01	1	6010B	1210 09:30	1211 10:28	MG
Lead, Total	0.014	mg/l	0.010	1	6010B	1210 09:30	1211 10:28	MG
Mercury, Total	ND	mg/l	0.0005	1	7470A	1211 15:10	1212 16:27	DM
Nickel, Total	0.104	mg/l	0.025	1	6010B	1210 09:30	1211 10:28	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:28	MG
Silver, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:28	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:28	MG
Zinc, Total	0.17	mg/l	0.05	1	6010B	1210 09:30	1211 10:28	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-18
PE246-ER1
Sample Matrix: LIQUID

Date Collected: 27-NOV-2002 09:02
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Chloride	930	mg/l	20.	1	9251		1209 20:46	DD
Nitrogen, Ammonia	231.	mg/l	3.00	30	4500NH3-BH	1209 10:20	1210 12:00	ED
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 10:33	MG
Arsenic, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:33	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:33	MG
Cadmium, Total	0.011	mg/l	0.005	1	6010B	1210 09:30	1211 10:33	MG
Chromium, Total	0.17	mg/l	0.01	1	6010B	1210 09:30	1211 10:33	MG
Copper, Total	1.2	mg/l	0.01	1	6010B	1210 09:30	1211 10:33	MG
Lead, Total	0.097	mg/l	0.010	1	6010B	1210 09:30	1211 10:33	MG
Mercury, Total	0.0008	mg/l	0.0005	1	7470A	1211 15:10	1212 16:35	DM
Nickel, Total	0.319	mg/l	0.025	1	6010B	1210 09:30	1211 10:33	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:33	MG
Silver, Total	0.033	mg/l	0.007	1	6010B	1210 09:30	1211 10:33	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:33	MG
Zinc, Total	1.5	mg/l	0.05	1	6010B	1210 09:30	1211 10:33	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-19
PE247-E1
Sample Matrix: LIQUID

Date Collected: 27-NOV-2002 09:05
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Chloride	220	mg/l	10.	1	9251		1209 20:48	DD
Nitrogen, Ammonia	88.0	mg/l	1.50	30	4500NH3-BH	1209 10:20	1210 12:02	ED
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 10:37	MG
Arsenic, Total	0.011	mg/l	0.010	1	6010B	1210 09:30	1211 10:37	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:37	MG
Cadmium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:37	MG
Chromium, Total	0.19	mg/l	0.01	1	6010B	1210 09:30	1211 10:37	MG
Copper, Total	1.7	mg/l	0.01	1	6010B	1210 09:30	1211 10:37	MG
Lead, Total	0.071	mg/l	0.010	1	6010B	1210 09:30	1211 10:37	MG
Mercury, Total	ND	mg/l	0.0005	1	7470A	1211 15:10	1212 16:36	DM
Nickel, Total	0.257	mg/l	0.025	1	6010B	1210 09:30	1211 10:37	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:37	MG
Silver, Total	ND	mg/l	0.007	1	6010B	1210 09:30	1211 10:37	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:37	MG
Zinc, Total	0.52	mg/l	0.05	1	6010B	1210 09:30	1211 10:37	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-20
PE248-E2
Sample Matrix: LIQUID

Date Collected: 27-NOV-2002 09:10
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Chloride	2100	mg/l	100	1	9251		1209 20:50	DD
Nitrogen, Ammonia	268.	mg/l	3.00	30	4500NH3-BH	1209 10:20	1210 12:04	ED
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 10:41	MG
Arsenic, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:41	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:41	MG
Cadmium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:41	MG
Chromium, Total	0.03	mg/l	0.01	1	6010B	1210 09:30	1211 10:41	MG
Copper, Total	0.32	mg/l	0.01	1	6010B	1210 09:30	1211 10:41	MG
Lead, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:41	MG
Mercury, Total	ND	mg/l	0.0005	1	7470A	1211 15:10	1212 16:38	DM
Nickel, Total	0.071	mg/l	0.025	1	6010B	1210 09:30	1211 10:41	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:41	MG
Silver, Total	ND	mg/l	0.007	1	6010B	1210 09:30	1211 10:41	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:41	MG
Zinc, Total	0.64	mg/l	0.05	1	6010B	1210 09:30	1211 10:41	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-21
PE249-S1
Sample Matrix: LIQUID

Date Collected: 27-NOV-2002 09:15
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Chloride	170	mg/l	10.	1	9251		1209 20:52	DD
Nitrogen, Ammonia	5.46	mg/l	0.150	30	4500NH3-BH	1209 10:20	1210 12:04	ED
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 10:45	MG
Arsenic, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:45	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:45	MG
Cadmium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:45	MG
Chromium, Total	0.39	mg/l	0.01	1	6010B	1210 09:30	1211 10:45	MG
Copper, Total	0.76	mg/l	0.01	1	6010B	1210 09:30	1211 10:45	MG
Lead, Total	0.045	mg/l	0.010	1	6010B	1210 09:30	1211 10:45	MG
Mercury, Total	0.0006	mg/l	0.0005	1	7470A	1211 15:10	1212 16:40	DM
Nickel, Total	0.208	mg/l	0.025	1	6010B	1210 09:30	1211 10:45	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:45	MG
Silver, Total	ND	mg/l	0.007	1	6010B	1210 09:30	1211 10:45	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:45	MG
Zinc, Total	0.53	mg/l	0.05	1	6010B	1210 09:30	1211 10:45	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-22
PE250-S2
Sample Matrix: LIQUID

Date Collected: 27-NOV-2002 09:13
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Chloride	120	mg/l	5.0	1	9251		1209 20:53	DD
Nitrogen, Ammonia	5.52	mg/l	0.150	30	4500NH3-BH	1209 10:20	1210 12:05	ED
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 10:49	MG
Arsenic, Total	0.023	mg/l	0.010	1	6010B	1210 09:30	1211 10:49	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:49	MG
Cadmium, Total	0.043	mg/l	0.005	1	6010B	1210 09:30	1211 10:49	MG
Chromium, Total	4.2	mg/l	0.01	1	6010B	1210 09:30	1211 10:49	MG
Copper, Total	11.	mg/l	0.01	1	6010B	1210 09:30	1211 10:49	MG
Lead, Total	0.533	mg/l	0.010	1	6010B	1210 09:30	1211 10:49	MG
Mercury, Total	0.0017	mg/l	0.0005	1	7470A	1211 15:10	1212 16:42	DM
Nickel, Total	2.95	mg/l	0.025	1	6010B	1210 09:30	1211 10:49	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:49	MG
Silver, Total	0.046	mg/l	0.007	1	6010B	1210 09:30	1211 10:49	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:49	MG
Zinc, Total	7.4	mg/l	0.05	1	6010B	1210 09:30	1211 10:49	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0212430-23
PE251-VC2
Sample Matrix: LIQUID

Date Collected: 27-NOV-2002 10:07
Date Received : 06-DEC-2002
Date Reported : 13-DEC-2002

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Chloride	150	mg/l	5.0	1	9251		1209 20:56	DD
Nitrogen, Ammonia	50.0	mg/l	0.150	30	4500NH3-BH	1209 10:20	1210 12:06	ED
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.050	1	6010B	1210 09:30	1211 10:54	MG
Arsenic, Total	0.013	mg/l	0.010	1	6010B	1210 09:30	1211 10:54	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 10:54	MG
Cadmium, Total	0.049	mg/l	0.005	1	6010B	1210 09:30	1211 10:54	MG
Chromium, Total	3.1	mg/l	0.01	1	6010B	1210 09:30	1211 10:54	MG
Copper, Total	7.4	mg/l	0.01	1	6010B	1210 09:30	1211 10:54	MG
Lead, Total	0.372	mg/l	0.010	1	6010B	1210 09:30	1211 10:54	MG
Mercury, Total	0.0009	mg/l	0.0005	1	7470A	1211 15:10	1212 16:44	DM
Nickel, Total	1.98	mg/l	0.025	1	6010B	1210 09:30	1211 10:54	MG
Selenium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:54	MG
Silver, Total	0.021	mg/l	0.007	1	6010B	1210 09:30	1211 10:54	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 10:54	MG
Zinc, Total	3.9	mg/l	0.05	1	6010B	1210 09:30	1211 10:54	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0212430

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Chloride for sample(s) 15-23 (L0212430-23, WG129267)					
Chloride	150	160	mg/l	6	
Nitrogen, Ammonia for sample(s) 15-23 (L0212430-23, WG129263)					
Nitrogen, Ammonia	50.0	50.0	mg/l	0	
Total Metals for sample(s) 01,03-04,06-11,14 (L0212388-01, WG129285)					
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	9.2	10.	mg/kg	8	35
Beryllium, Total	ND	ND	mg/kg	NC	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Chromium, Total	1.4	1.2	mg/kg	15	35
Copper, Total	16.	19.	mg/kg	17	35
Lead, Total	9.3	8.5	mg/kg	9	35
Nickel, Total	3.8	4.8	mg/kg	23	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Thallium, Total	ND	ND	mg/kg	NC	35
Zinc, Total	5.3	5.5	mg/kg	4	35
Total Metals for sample(s) 02,05,12-13,15-23 (L0212421-01, WG129389)					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.010	0.010	mg/l	3	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	0.07	0.07	mg/l	1	20
Copper, Total	0.05	0.04	mg/l	6	20
Lead, Total	0.026	0.026	mg/l	0	20
Nickel, Total	0.083	0.083	mg/l	0	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.12	0.12	mg/l	0	20
Total Metals for sample(s) 04,06-10 (L0212430-04, WG129252)					
Mercury, Total	ND	ND	mg/kg	NC	45
Total Metals for sample(s) 02,05,12-13,15-23 (L0212430-15, WG129441)					
Mercury, Total	ND	ND	mg/l	NC	35
Total Metals for sample(s) 01,03,11,14 (L0212430-01, WG129568)					
Mercury, Total	4.0	4.0	mg/kg	0	45

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0212430

Parameter	% Recovery	QC Criteria
Chloride LCS for sample(s) 15-23 (WG129267)		
Chloride	100	
Nitrogen, Ammonia LCS for sample(s) 15-23 (WG129263)		
Nitrogen, Ammonia	94	
Total Metals LCS for sample(s) 01,03-04,06-11,14 (WG129285)		
Antimony, Total	96	70-140
Arsenic, Total	107	70-140
Beryllium, Total	100	70-140
Cadmium, Total	98	70-140
Chromium, Total	94	70-140
Copper, Total	92	70-140
Lead, Total	103	70-140
Nickel, Total	90	70-140
Selenium, Total	109	70-140
Silver, Total	100	70-140
Thallium, Total	103	70-140
Zinc, Total	100	70-140
Total Metals LCS for sample(s) 02,05,12-13,15-23 (WG129389)		
Antimony, Total	103	75-125
Arsenic, Total	108	75-125
Beryllium, Total	106	75-125
Cadmium, Total	111	75-125
Chromium, Total	105	75-125
Copper, Total	104	75-125
Lead, Total	109	75-125
Nickel, Total	103	75-125
Selenium, Total	108	75-125
Silver, Total	108	75-125
Thallium, Total	108	75-125
Zinc, Total	106	75-125
Total Metals LCS for sample(s) 04,06-10 (WG129252)		
Mercury, Total	107	60-140
Total Metals LCS for sample(s) 02,05,12-13,15-23 (WG129441)		
Mercury, Total	103	70-130
Total Metals LCS for sample(s) 01,03,11,14 (WG129568)		
Mercury, Total	100	60-140
SVOC's by GC/MS 8270 LCS for sample(s) 16 (WG129237)		
Acenaphthene	73	
1,2,4-Trichlorobenzene	55	
2-Chloronaphthalene	66	
1,2-Dichlorobenzene	48	
1,4-Dichlorobenzene	48	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0212430

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 8270 LCS for sample(s) 16 (WG129237)		
2,4-Dinitrotoluene	95	
2,6-Dinitrotoluene	89	
Fluoranthene	95	
4-Chlorophenyl phenyl ether	76	
n-Nitrosodi-n-propylamine	62	
Butyl benzyl phthalate	99	
Anthracene	82	
Pyrene	100	
Hexachloropropene	55	
P-Chloro-M-Cresol	69	
2-CHLOROPHENOL	50	
2-Nitrophenol	60	
4-Nitrophenol	32	
2,4-Dinitrophenol	86	
Pentachlorophenol	86	
Phenol	19	
Surrogate(s)		
2-Fluorophenol	30	
Phenol-d6	20	
Nitrobenzene-d5	64	
2-Fluorobiphenyl	69	
2,4,6-Tribromophenol	78	
4-Terphenyl-d14	85	
Extractable Total Petroleum Hydrocarbons LCS for sample(s) 16 (WG129370)		
ETPH-CT	56	
Surrogate(s)		
o-Terphenyl	93	
Extractable Total Petroleum Hydrocarbons LCS for sample(s) 16 (WG129370)		
ETPH-CT	65	
Surrogate(s)		
o-Terphenyl	100	
Chloride SPIKE for sample(s) 15-23 (L0212430-15, WG129267)		
Chloride	95	
Nitrogen, Ammonia SPIKE for sample(s) 15-23 (L0212430-15, WG129263)		
Nitrogen, Ammonia	172	
Total Metals SPIKE for sample(s) 01,03-04,06-11,14 (L0212388-01, WG129285)		
Antimony, Total	83	70-140
Arsenic, Total	153	70-140
Beryllium, Total	96	70-140
Cadmium, Total	98	70-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0212430

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01,03-04,06-11,14 (L0212388-01, WG129285)		
Chromium, Total	86	70-140
Copper, Total	67	70-140
Lead, Total	89	70-140
Nickel, Total	88	70-140
Selenium, Total	108	70-140
Silver, Total	90	70-140
Thallium, Total	102	70-140
Zinc, Total	90	70-140
Total Metals SPIKE for sample(s) 02,05,12-13,15-23 (L0212421-01, WG129389)		
Antimony, Total	98	75-125
Arsenic, Total	104	75-125
Beryllium, Total	101	75-125
Cadmium, Total	107	75-125
Chromium, Total	94	75-125
Copper, Total	100	75-125
Lead, Total	101	75-125
Nickel, Total	95	75-125
Selenium, Total	103	75-125
Silver, Total	105	75-125
Thallium, Total	103	75-125
Zinc, Total	100	75-125
Total Metals SPIKE for sample(s) 04,06-10 (L0212430-04, WG129252)		
Mercury, Total	100	60-140
Total Metals SPIKE for sample(s) 02,05,12-13,15-23 (L0212430-17, WG129441)		
Mercury, Total	101	70-130
Total Metals SPIKE for sample(s) 01,03,11,14 (L0212430-03, WG129568)		
Mercury, Total	110	60-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0212430

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 16 (L0212421-01, WG129237)					
Acenaphthene	74	87	16		
1,2,4-Trichlorobenzene	60	69	14		
2-Chloronaphthalene	69	83	18		
1,2-Dichlorobenzene	51	55	8		
1,4-Dichlorobenzene	51	55	8		
2,4-Dinitrotoluene	87	97	11		
2,6-Dinitrotoluene	83	97	16		
Fluoranthene	92	100	8		
4-Chlorophenyl phenyl ether	78	87	11		
n-Nitrosodi-n-propylamine	60	69	14		
Butyl benzyl phthalate	97	110	13		
Anthracene	78	83	6		
Pyrene	92	110	18		
Hexachloropropene	60	74	21		
P-Chloro-M-Cresol	74	85	14		
2-CHLOROPHENOL	51	58	13		
2-Nitrophenol	60	71	17		
4-Nitrophenol	55	58	5		
2,4-Dinitrophenol	90	100	11		
Pentachlorophenol	87	97	11		
Phenol	32	37	14		
Surrogate(s)					
2-Fluorophenol	42	46	9		
Phenol-d6	35	41	16		
Nitrobenzene-d5	63	70	11		
2-Fluorobiphenyl	68	78	14		
2,4,6-Tribromophenol	77	85	10		
4-Terphenyl-d14	80	86	7		

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0212430

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 15-23 (WG129267-2)								
Chloride	ND	mg/l	1.0	1	9251		1209 20:58	DD
Blank Analysis for sample(s) 15-23 (WG129263-1)								
Nitrogen, Ammonia	ND	mg/l	0.075	30	4500NH3-BH	1209 10:20	1210 11:15	ED
Blank Analysis for sample(s) 01,03-04,06-11,14 (WG129285-3)								
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	1209 15:40	1210 08:37	MG
Arsenic, Total	ND	mg/kg	0.40	1	6010B	1209 15:40	1210 08:37	MG
Beryllium, Total	ND	mg/kg	0.20	1	6010B	1209 15:40	1210 08:37	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	1209 15:40	1210 08:37	MG
Chromium, Total	ND	mg/kg	0.40	1	6010B	1209 15:40	1210 08:37	MG
Copper, Total	ND	mg/kg	0.40	1	6010B	1209 15:40	1210 08:37	MG
Lead, Total	ND	mg/kg	2.0	1	6010B	1209 15:40	1210 08:37	MG
Nickel, Total	ND	mg/kg	1.0	1	6010B	1209 15:40	1210 08:37	MG
Selenium, Total	ND	mg/kg	0.80	1	6010B	1209 15:40	1210 08:37	MG
Silver, Total	ND	mg/kg	0.40	1	6010B	1209 15:40	1210 08:37	MG
Thallium, Total	ND	mg/kg	0.80	1	6010B	1209 15:40	1210 08:37	MG
Zinc, Total	ND	mg/kg	2.0	1	6010B	1209 15:40	1210 08:37	MG
Blank Analysis for sample(s) 02,05,12-13,15-23 (WG129389-3)								
Total Metals				1	3015			
Antimony, Total	ND	mg/l	0.006	1	6010B	1210 09:30	1211 09:23	MG
Arsenic, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 09:23	MG
Beryllium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 09:23	MG
Cadmium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 09:23	MG
Chromium, Total	ND	mg/l	0.01	1	6010B	1210 09:30	1211 09:23	MG
Copper, Total	ND	mg/l	0.01	1	6010B	1210 09:30	1211 09:23	MG
Lead, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 09:23	MG
Nickel, Total	ND	mg/l	0.025	1	6010B	1210 09:30	1211 09:23	MG
Selenium, Total	ND	mg/l	0.005	1	6010B	1210 09:30	1211 09:23	MG
Silver, Total	ND	mg/l	0.007	1	6010B	1210 09:30	1211 09:23	MG
Thallium, Total	ND	mg/l	0.010	1	6010B	1210 09:30	1211 09:23	MG
Zinc, Total	ND	mg/l	0.05	1	6010B	1210 09:30	1211 09:23	MG
Blank Analysis for sample(s) 04,06-10 (WG129252-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	1209 14:50	1210 10:03	DM

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0212430

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02,05,12-13,15-23 (WG129441-4)								
Total Metals								
Mercury, Total	ND	mg/l	0.0005	1	7470A	1211 15:10	1212 16:07	DM
Blank Analysis for sample(s) 01,03,11,14 (WG129568-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.04	1	7471A	1212 16:30	1213 09:56	DM
Blank Analysis for sample(s) 16 (WG129237-1)								
SVOC's by GC/MS 8270				1	8270C	1209 10:00	1209 20:19	HL
Acenaphthene	ND	ug/l	5.0					
Benzidine	ND	ug/l	50.					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
Hexachlorobenzene	ND	ug/l	5.0					
Bis(2-chloroethyl)ether	ND	ug/l	5.0					
1-Chloronaphthalene	ND	ug/l	5.0					
2-Chloronaphthalene	ND	ug/l	6.0					
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
3,3'-Dichlorobenzidine	ND	ug/l	50.					
2,4-Dinitrotoluene	ND	ug/l	6.0					
2,6-Dinitrotoluene	ND	ug/l	5.0					
Azobenzene	ND	ug/l	5.0					
Fluoranthene	ND	ug/l	5.0					
4-Chlorophenyl phenyl ether	ND	ug/l	5.0					
4-Bromophenyl phenyl ether	ND	ug/l	5.0					
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0					
Bis(2-chloroethoxy)methane	ND	ug/l	5.0					
Hexachlorobutadiene	ND	ug/l	10.					
Hexachlorocyclopentadiene	ND	ug/l	10.					
Hexachloroethane	ND	ug/l	5.0					
Isophorone	ND	ug/l	5.0					
Naphthalene	ND	ug/l	5.0					
Nitrobenzene	ND	ug/l	5.0					
NDPA/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	5.0					
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.					
Butyl benzyl phthalate	ND	ug/l	5.0					
Di-n-butylphthalate	ND	ug/l	5.0					
Di-n-octylphthalate	ND	ug/l	5.0					
Diethyl phthalate	ND	ug/l	5.0					
Dimethyl phthalate	ND	ug/l	5.0					
Benzo(a)anthracene	ND	ug/l	5.0					
Benzo(a)pyrene	ND	ug/l	5.0					
Benzo(b)fluoranthene	ND	ug/l	5.0					
Benzo(k)fluoranthene	ND	ug/l	5.0					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0212430

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 16 (WG129237-1)								
SVOC's by GC/MS 8270 continued				1	8270C	1209 10:00	1209 20:19	HL
Chrysene	ND	ug/l	5.0					
Acenaphthylene	ND	ug/l	5.0					
Anthracene	ND	ug/l	5.0					
Benzo(ghi)perylene	ND	ug/l	5.0					
Fluorene	ND	ug/l	5.0					
Phenanthrene	ND	ug/l	5.0					
Dibenzo(a,h)anthracene	ND	ug/l	5.0					
Indeno(1,2,3-cd)pyrene	ND	ug/l	7.0					
Pyrene	ND	ug/l	5.0					
Benzo(e)pyrene	ND	ug/l	5.0					
Biphenyl	ND	ug/l	5.0					
Perylene	ND	ug/l	5.0					
Aniline	ND	ug/l	10.					
4-Chloroaniline	ND	ug/l	5.0					
1-Methylnaphthalene	ND	ug/l	5.0					
2-Nitroaniline	ND	ug/l	5.0					
3-Nitroaniline	ND	ug/l	5.0					
4-Nitroaniline	ND	ug/l	7.0					
Dibenzofuran	ND	ug/l	5.0					
a,a-Dimethylphenethylamine	ND	ug/l	50.					
Hexachloropropene	ND	ug/l	50.					
Nitrosodi-n-butylamine	ND	ug/l	10.					
2-Methylnaphthalene	ND	ug/l	8.0					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Pentachlorobenzene	ND	ug/l	20.					
a-Naphthylamine	ND	ug/l	20.					
b-Naphthylamine	ND	ug/l	20.					
Phenacetin	ND	ug/l	10.					
Dimethoate	ND	ug/l	20.					
4-Aminobiphenyl	ND	ug/l	10.					
Pentachloronitrobenzene	ND	ug/l	10.					
Isodrin	ND	ug/l	10.					
p-Dimethylaminoazobenzene	ND	ug/l	10.					
Chlorobenzilate	ND	ug/l	20.					
3-Methylcholanthrene	ND	ug/l	20.					
Ethyl Methanesulfonate	ND	ug/l	15.					
Acetophenone	ND	ug/l	20.					
Nitrosodipiperidine	ND	ug/l	20.					
7,12-Dimethylbenz(a)anthracene	ND	ug/l	10.					
n-Nitrosodimethylamine	ND	ug/l	50.					
2,4,6-Trichlorophenol	ND	ug/l	5.0					
p-Chloro-m-cresol	ND	ug/l	5.0					
2-Chlorophenol	ND	ug/l	6.0					
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0212430

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 16 (WG129237-1)								
SVOC's by GC/MS 8270 continued				1	8270C	1209 10:00	1209 20:19	HL
2,4-Dinitrophenol	ND	ug/l	20.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	20.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
2,6-Dichlorophenol	ND	ug/l	10.					
Benzoic Acid	ND	ug/l	50.					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Pyridine	ND	ug/l	50.					
2-Picoline	ND	ug/l	20.					
Pronamide	ND	ug/l	20.					
Methyl methanesulfonate	ND	ug/l	20.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	25.0	%						
Phenol-d6	17.0	%						
Nitrobenzene-d5	52.0	%						
2-Fluorobiphenyl	50.0	%						
2,4,6-Tribromophenol	60.0	%						
4-Terphenyl-d14	88.0	%						
Blank Analysis for sample(s) 16 (WG129370-1)								
Extractable Total Petroleum Hydrocarbons				11	3-99	1210 16:20	1212 19:34	BW
ETPH-CT	ND	ug/l	50.					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	68.0	%						

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

11. Analysis of Extractable Petroleum Hydrocarbons (ETPH) Using Methylene Chloride Gas Chromatograph/Flame Ionization Detection. Environmental Research Institute, University of Connecticut. March 1999.

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA Analytical Laboratories, Inc.

Eight Walkup Drive Westborough, MA 01581
PH: 508.898.9220 FAX: 508.898.9193 www.alphalab.com

CHAIN OF CUSTODY

№ 9754 Sheet 1 of 3

ALPHA Job #: L0212430

Date Rec'd in Lab: 12/6 Date Due: 12/13

Client Name: URS Corporation
Client Address: 500 Enterprise Dr., Ste 3B, Rocky Hill, CT 06067
Phone #: 860-529-8882 FAX #: 860-529-3991

Project Name: Pure Etch CT
Project Location: Thomaston CT
Project #: 36908301
Project Manager: Gary Alicandro

Report To: Gary Alicandro
Bill To:
PO#:

☒ Standard TAT
☐ RUSH TAT ____ (# days)
☐ FAX Results (E Mail)
☐ State Forms (ADEX)
☐ SMART Report

Comments: (Please note specific method, detection limit or reporting requirements.)
All samples are non-preserved.
Hazardous Waste Closure

ANALYSIS REQUEST

ALPHA Lab #	Sample ID	Matrix/Source *	Sampling Date	Sampling Time	Sampler's Initials	Solubles: Field Filtered? (Y/N)	13 Priority Pollutants
2430.1	PE229-EH	TS	8/28/02		CH	N	X
2	PE230-E2	TW					X
3	PE231-E1	TS					X
4	PE232-ER2	TS					X
5	PE233-D1	TW					X
6	PE234-S2	TS					X
7	PE235-S1	TS					X
8	PE236-VC2	TS					X
9	PE237-WT4	TS					X
10	PE238-B1	TS					X
11	PE239-C1	TS					X

# of Containers:	11
Container Type: *	A
Preservative: *	A

Transfers Relinquished By:	Christine Matheny	12/6/02 1415
	L Edmondson	12/6/02 16:50
Transfers Accepted By:	L Edmondson	
	[illegible]	

All samples submitted are subject to Alpha's standard Terms and Conditions.

* See Reverse side for Matrix, Container, and Preservative Codes.

Form No.: 01-01

ALPHA Analytical Laboratories, Inc.

Eight Walkup Drive Westborough, MA 01581
PH: 508.898.9220 FAX: 508.898.9193 www.alphalab.com

CHAIN OF CUSTODY

№ 9749 Sheet 3 of 3

ALPHA Job #: L0212430

Date Rec'd in Lab: 12/6

Date Due: 12/13

Client Name: URS Corporation
Client Address: 500 Enterprise Dr. #3B
Rocky Hill, CT 06067
Phone #: 860-529-8882 FAX #: 860-529-3991

Project Name: Pure Etch - CT
Project Location: Thomaston CT
Project #: 36908301
Project Manager: Gary Alicandro

Report To:
Bill To:
PO#:

☒ Standard TAT
☐ RUSH TAT ____ (# days)
☐ FAX Results
☐ State Forms
☐ SMART Report
(Email ADEx)

Comments: (Please note specific method, detection limit or reporting requirements.)

Hazardous Waste Closure

ANALYSIS REQUEST

ALPHA Lab #	Sample ID	Matrix/Source *	Sampling Date	Sampling Time	Sampler's Initials	Solubles: Field Filtered? (Y/N)	13 Priority Pollutants	NH_3 as N (SM500NH3)	Chloride (300/9056)							
2430.23	PE251 - VC2	RW	11/27/12	1007	AG	N	X	X	X							
# of Containers:							1	1	→							
Container Type: *							A	A	→							
Preservative: *							A	A	→							

Transfers Accepted By:	Date	Time
R Edmonds	12/6/12	1415
[illegible]	12/6/12	16:30

Transfers Relinquished By:	Date	Time
Christine Mayhew		
R Edmonds		

All samples submitted are subject to Alpha's standard Terms and Conditions.

* See Reverse side for Matrix, Container, and Preservative Codes.

Form No.: 01-01

ALPHA Analytical Laboratories, Inc.

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CHAIN OF CUSTODY

№ 9753 Sheet 2 of 3

ALPHA Job #: L0212430

Date Rec'd in Lab: 12/6

Date Due: 12/13

Client Name: URS Corporation
Client Address: 500 Enterprise Dr, #3B Rocky Hill, CT 06067
Phone #: 860-529-8882 FAX #: 860-529-3191

Project Name: Pure Etch CT
Project Location: Thomaston CT
Project #: 36908301
Project Manager: Gary Allicandro

Report To:
Bill To:
PO#:

☒ Standard TAT
☐ RUSH TAT ____ (# days)
☐ FAX Results
☐ State Forms (Email ADEX)
☐ SMART Report

Comments: (Please note specific method, detection limit or reporting requirements.)

Hazardous Waste Closure

ANALYSIS REQUEST

	ALPHA Lab #	Sample ID	Matrix/Source *	Sampling Date	Sampling Time	Sampler's Initials	Solubles: Field Filtered? (Y/N)	13 Priority Pollutants	NH3 as N (SM4500 NH3)	Chloride (300/9056)	CT ETPH	SVOCS 8270C					
12	2430 ~~A~~	PE240 - WT1	TW	8/28/02		CH	N	X									
13	~~B~~	PE241 - WT2	TW	↓		↓	↓	X									
14	~~C~~	PE242 - WT3	W	↓		↓	↓	X									
15	~~D~~	PE243 - CHCW	CW	11/27/02	0840	AG		X	X	X							
16	~~E~~	PE244 - WWVC2	WW	↓	0854	↓	↓	X	X	X	X	X					
17	~~F~~	PE245 - T1	RW	↓	1045	↓	↓	X	X	X							
18	~~G~~	PE246 - ER1	RW	↓	0902	↓	↓	X	X	X							
19	~~H~~	PE247 - E1	RW	↓	0905	↓	↓	X	X	X							
20	~~I~~	PE248 - E2	RW	↓	0910	↓	↓	X	X	X							
21	~~J~~	PE249 - S1	RW	↓	0915	↓	↓	X	X	X							
22		PE250 - S2	RW	↓	0913	↓	↓	X	X	X							
					# of Containers:			19	—	—							
					Container Type: *			A	—	—							
					Preservative: *			A	—	—							

Transfers Relinquished By:	Gary Allicandro	12/6/02	1415	Transfers Accepted By:	R Edmonds
	R Edmonds	12/6/02	16:00		

All samples submitted are subject to Alpha's standard Terms and Conditions.

* See Reverse side for Matrix, Container, and Preservative Codes.

Form No.: 01-01

ALPHA ANALYTICAL LABORATORIES

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MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: 36908301

Site: PURE ETCH CT

Laboratory Job Number: L0300502

Date Received: 16-JAN-2003

Date Reported: 24-JAN-2003

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0300502-01	PE252-NK1 (TANK BASE)	THOMASTON, CT
L0300502-02	PE253-ALS TKS (DRUMS 1-3)	THOMASTON, CT
L0300502-03	PE254-ALS TKS (DRUMS 4-6)	THOMASTON, CT
L0300502-04	PE256-ALS PIPES 1 (BAG 1)	THOMASTON, CT
L0300502-05	PE257-ALS PIPES 2 (BAG 2)	THOMASTON, CT
L0300502-06	PE258-TOTE TK15	THOMASTON, CT
L0300502-07	PE259-ALS PIPES (CH TOTE)	THOMASTON, CT
L0300502-08	PE255-ALS TKS (DRUM 7)	THOMASTON, CT
L0300502-09	PE260-E2	THOMASTON, CT
L0300502-10	PE261-E1	THOMASTON, CT
L0300502-11	PE262-ER2	THOMASTON, CT
L0300502-12	PE263-S2	THOMASTON, CT
L0300502-13	PE264-S1	THOMASTON, CT
L0300502-14	PE265-VC2	THOMASTON, CT
L0300502-15	PE266-ALS PIPE 1	THOMASTON, CT
L0300502-16	PE267-ALS PIPE 2	THOMASTON, CT
L0300502-17	PE268-ALS PIPE 3	THOMASTON, CT
L0300502-18	PE269-ALS PIPE 4	THOMASTON, CT
L0300502-19	PE270-ALS PIPE 5	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean

Scott McLean - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0300502

Alpha Report L0300502:

Sample Receipt

The analysis of pH requested on Alpha Sample L0300502-07 was received with the method required holding time exceeded and was performed at the client's request.

Extractable Total Petroleum Hydrocarbons

Alpha Samples L0300502-02 through -05 have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples.

No surrogates could be recovered on Alpha Samples L0300502-04 and -05 due to sample matrix. The surrogates were diluted out in order to quantitate the samples.

Alpha Sample L0300502-07 has elevated limits of detection due to the limited sample submitted for the analysis.

Polychlorinated Biphenyls

Alpha Sample L0300502-07 has elevated limits of detection due to the limited sample submitted for the analysis.

Alpha Samples L0300502-04 and -05 have elevated limits of detection due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

The surrogate percent recoveries on Alpha Samples L0300502-04 and -05 are above the acceptance criteria for the method. The samples are non-detect for all target compounds, therefore no further action was taken.

SemiVolatile Organics

Alpha Sample L0300502-07 has elevated limits of detection due to the limited sample submitted for the analysis.

The laboratory control sample and matrix spike percent recoveries for 2,4-Dinitrotoluene and Pentachlorophenol associated with Alpha Sample L0300502-07 are above the acceptance criteria for the method. All associated samples are non-detect for the affected compounds, therefore no further action was taken.

Alpha Samples L0300502-02 through -05 have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples.

No surrogates could be recovered on Alpha Sample L0300502-05 due to sample matrix. The surrogates were diluted out in order to quantitate the sample.

The laboratory control sample and matrix spike/matrix spike duplicate percent recoveries for 2,4-Dinitrotoluene associated with Alpha Samples L0300502-02 through -06 and -08 are above the acceptance criteria for the method. All associated samples are non-detect for the affected compounds, therefore no further action was taken.

The matrix spike/matrix spike duplicate percent recoveries for 2,4-Dinitrophenol associated with Alpha Samples L0300502-02 through -06 and -08 are below the acceptance

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criteria for the method due to sample matrix.

Total Metals

The matrix spike percent recoveries for the analyses of Copper and Mercury associated with Alpha Samples L0300502-01 through -06 and -08 are invalid because the sample concentration is greater than four times the spike amount added.

The matrix spike percent recoveries for the analyses of Arsenic, Nickel, Selenium and Zinc associated with Alpha Samples L0300502-01 through -06 and -08 are outside the in-house acceptance criteria for the method. Post analytical spikes were performed with acceptable recoveries of: Arsenic, 102%; Nickel, 100%; Selenium, 106%; and Zinc, 101%.

Ammonia

The matrix spike percent recovery associated with Alpha Samples L0300502-02 through -06 and -08 is invalid because the sample concentration is greater than four times the spike amount added.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-01
PE252-NK1 (TANK BASE)
Sample Matrix: SOLID

Date Collected: 14-JAN-2003 14:45
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	88.	%	0.10	30	2540G		0117 11:15	DT
Total Metals				1	3051			
Antimony, Total	1.6	mg/kg	0.45	1	6010B	0120 13:45	0121 11:05	MG
Arsenic, Total	13.	mg/kg	0.45	1	6010B	0120 13:45	0121 11:05	MG
Beryllium, Total	ND	mg/kg	0.22	1	6010B	0120 13:45	0121 11:05	MG
Cadmium, Total	ND	mg/kg	0.45	1	6010B	0120 13:45	0121 11:05	MG
Chromium, Total	130	mg/kg	0.45	1	6010B	0120 13:45	0121 11:05	MG
Copper, Total	16.	mg/kg	0.45	1	6010B	0120 13:45	0121 11:05	MG
Lead, Total	15.	mg/kg	2.2	1	6010B	0120 13:45	0121 11:05	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	77.	mg/kg	1.1	1	6010B	0120 13:45	0121 11:05	MG
Selenium, Total	ND	mg/kg	0.90	1	6010B	0120 13:45	0121 11:05	MG
Silver, Total	ND	mg/kg	0.45	1	6010B	0120 13:45	0121 11:05	MG
Thallium, Total	ND	mg/kg	4.5	1	6010B	0120 13:45	0121 11:05	MG
Zinc, Total	79.	mg/kg	2.2	1	6010B	0120 13:45	0121 11:05	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-02
PE253-ALS TKS (DRUMS 1-3)
Sample Matrix: SOLID

Date Collected: 14-JAN-2003 12:50
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	67.	%	0.10	30	2540G		0117 11:15	DT
Cyanide, Total	5.7	mg/kg	0.36	1	9010B	0120 15:20	0121 09:43	ED
Chloride	170000	mg/kg	3700	1	9251	0117 15:00	0117 18:26	DD
pH	8.1	SU	-	1	9045C		0116 20:25	WT
Nitrogen, Ammonia	23000	mg/kg	220	30	4500NH3-BH	0117 11:30	0121 13:21	ED
Sulfide	ND	mg/kg	0.75	1	9030B		0120 15:38	AT
Flash Point	> 150	deg F	70	1	1010		0118 12:00	NL
Cyanide, Reactive	ND	mg/kg	0.25	1	7.3		0120 21:00	JT
Sulfide, Reactive	ND	mg/kg	0.50	1	7.3		0120 21:00	JT
Total Metals				1	3051			
Antimony, Total	12.	mg/kg	5.9	1	6010B	0120 13:45	0121 11:49	MG
Arsenic, Total	21.	mg/kg	5.9	1	6010B	0120 13:45	0121 11:49	MG
Beryllium, Total	ND	mg/kg	3.0	1	6010B	0120 13:45	0121 11:49	MG
Cadmium, Total	39.	mg/kg	5.9	1	6010B	0120 13:45	0121 11:49	MG
Chromium, Total	3800	mg/kg	5.9	1	6010B	0120 13:45	0121 11:49	MG
Copper, Total	12000	mg/kg	5.9	1	6010B	0120 13:45	0121 11:49	MG
Lead, Total	820	mg/kg	30.	1	6010B	0120 13:45	0121 11:49	MG
Mercury, Total	2.2	mg/kg	0.12	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	3100	mg/kg	15.	1	6010B	0120 13:45	0121 11:49	MG
Selenium, Total	ND	mg/kg	5.9	1	6010B	0120 13:45	0121 11:49	MG
Silver, Total	190	mg/kg	5.9	1	6010B	0120 13:45	0121 11:49	MG
Thallium, Total	ND	mg/kg	5.9	1	6010B	0120 13:45	0121 11:49	MG
Zinc, Total	6900	mg/kg	59.	1	6010B	0120 13:45	0121 12:36	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-02
PE253-ALS TKS (DRUMS 1-3)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
TCLP Metals								
TCLP Extraction				1	1311	0121 16:30		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	0122 11:45	0122 13:03	RW
Barium, TCLP	ND	mg/l	0.50	1	6010B	0122 11:45	0122 13:03	RW
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	0122 11:45	0122 13:03	RW
Chromium, TCLP	ND	mg/l	0.20	1	6010B	0122 11:45	0122 13:03	RW
Lead, TCLP	ND	mg/l	0.50	1	6010B	0122 11:45	0122 13:03	RW
Mercury, TCLP	ND	mg/l	0.005	1	7470A	0122 11:55	0122 15:18	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010B	0122 11:45	0122 13:03	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	0122 11:45	0122 13:03	RW
SVOC's by GC/MS 8270				1	8270C	0117 11:35	0120 15:44	HL
Acenaphthene	ND	ug/kg	7500					
Benzidine	ND	ug/kg	75000					
1,2,4-Trichlorobenzene	ND	ug/kg	7500					
Hexachlorobenzene	ND	ug/kg	7500					
Bis(2-chloroethyl)ether	ND	ug/kg	7500					
1-Chloronaphthalene	ND	ug/kg	7500					
2-Chloronaphthalene	ND	ug/kg	9000					
1,2-Dichlorobenzene	ND	ug/kg	7500					
1,3-Dichlorobenzene	ND	ug/kg	7500					
1,4-Dichlorobenzene	ND	ug/kg	7500					
3,3'-Dichlorobenzidine	ND	ug/kg	75000					
2,4-Dinitrotoluene	ND	ug/kg	9000					
2,6-Dinitrotoluene	ND	ug/kg	7500					
Azobenzene	ND	ug/kg	7500					
Fluoranthene	ND	ug/kg	7500					
4-Chlorophenyl phenyl ether	ND	ug/kg	7500					
4-Bromophenyl phenyl ether	ND	ug/kg	7500					
Bis(2-chloroisopropyl)ether	ND	ug/kg	7500					
Bis(2-chloroethoxy)methane	ND	ug/kg	7500					
Hexachlorobutadiene	ND	ug/kg	15000					
Hexachlorocyclopentadiene	ND	ug/kg	15000					
Hexachloroethane	ND	ug/kg	7500					
Isophorone	ND	ug/kg	7500					
Naphthalene	ND	ug/kg	7500					
Nitrobenzene	ND	ug/kg	7500					
NDPA/DPA	ND	ug/kg	22000					
n-Nitrosodi-n-propylamine	ND	ug/kg	7500					
Bis(2-ethylhexyl)phthalate	ND	ug/kg	15000					
Butyl benzyl phthalate	ND	ug/kg	7500					
Di-n-butylphthalate	ND	ug/kg	7500					
Di-n-octylphthalate	ND	ug/kg	7500					
Diethyl phthalate	ND	ug/kg	7500					
Dimethyl phthalate	ND	ug/kg	7500					
Benzo(a)anthracene	ND	ug/kg	7500					
Benzo(a)pyrene	ND	ug/kg	7500					
Benzo(b)fluoranthene	ND	ug/kg	7500					
Benzo(k)fluoranthene	ND	ug/kg	7500					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-02
PE253-ALS TKS (DRUMS 1-3)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 15:44	HL
Chrysene	ND	ug/kg	7500					
Acenaphthylene	ND	ug/kg	7500					
Anthracene	ND	ug/kg	7500					
Benzo(ghi)perylene	ND	ug/kg	7500					
Fluorene	ND	ug/kg	7500					
Phenanthrene	ND	ug/kg	7500					
Dibenzo(a,h)anthracene	ND	ug/kg	7500					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	7500					
Pyrene	ND	ug/kg	7500					
Benzo(e)pyrene	ND	ug/kg	7500					
Biphenyl	ND	ug/kg	7500					
Perylene	ND	ug/kg	7500					
Aniline	ND	ug/kg	15000					
4-Chloroaniline	ND	ug/kg	7500					
1-Methylnaphthalene	ND	ug/kg	7500					
2-Nitroaniline	ND	ug/kg	7500					
3-Nitroaniline	ND	ug/kg	7500					
4-Nitroaniline	ND	ug/kg	10000					
Dibenzofuran	ND	ug/kg	7500					
a,a-Dimethylphenethylamine	ND	ug/kg	75000					
Hexachloropropene	ND	ug/kg	75000					
Nitrosodi-n-butylamine	ND	ug/kg	15000					
2-Methylnaphthalene	ND	ug/kg	12000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	30000					
Pentachlorobenzene	ND	ug/kg	30000					
a-Naphthylamine	ND	ug/kg	30000					
b-Naphthylamine	ND	ug/kg	30000					
Phenacetin	ND	ug/kg	15000					
Dimethoate	ND	ug/kg	30000					
4-Aminobiphenyl	ND	ug/kg	15000					
Pentachloronitrobenzene	ND	ug/kg	15000					
Isodrin	ND	ug/kg	15000					
p-Dimethylaminoazobenzene	ND	ug/kg	15000					
Chlorobenzilate	ND	ug/kg	30000					
3-Methylcholanthrene	ND	ug/kg	30000					
Ethyl Methanesulfonate	ND	ug/kg	22000					
Acetophenone	ND	ug/kg	30000					
Nitrosodipiperidine	ND	ug/kg	30000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	15000					
n-Nitrosodimethylamine	ND	ug/kg	75000					
2,4,6-Trichlorophenol	ND	ug/kg	7500					
p-Chloro-m-cresol	ND	ug/kg	7500					
2-Chlorophenol	ND	ug/kg	9000					
2,4-Dichlorophenol	ND	ug/kg	15000					
2,4-Dimethylphenol	ND	ug/kg	15000					
2-Nitrophenol	ND	ug/kg	30000					
4-Nitrophenol	ND	ug/kg	15000					
2,4-Dinitrophenol	ND	ug/kg	30000					
4,6-Dinitro-o-cresol	ND	ug/kg	30000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-02
PE253-ALS TKS (DRUMS 1-3)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 15:44	HL
Pentachlorophenol	ND	ug/kg	30000					
Phenol	ND	ug/kg	10000					
2-Methylphenol	ND	ug/kg	9000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	9000					
2,4,5-Trichlorophenol	ND	ug/kg	7500					
2,6-Dichlorophenol	ND	ug/kg	15000					
Benzoic Acid	ND	ug/kg	75000					
Benzyl Alcohol	44000	ug/kg	15000					
Carbazole	ND	ug/kg	7500					
Pyridine	ND	ug/kg	75000					
2-Picoline	ND	ug/kg	30000					
Pronamide	ND	ug/kg	30000					
Methyl methanesulfonate	ND	ug/kg	30000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	25.0	%	25-120					
Phenol-d6	54.0	%	10-120					
Nitrobenzene-d5	76.0	%	23-120					
2-Fluorobiphenyl	91.0	%	30-120					
2,4,6-Tribromophenol	28.0	%	19-120					
4-Terphenyl-d14	80.0	%	18-120					
Polychlorinated Biphenyls				1	8082	0117 11:25	0121 16:04	AK
Aroclor 1221	ND	ug/kg	373.					
Aroclor 1232	ND	ug/kg	373.					
Aroclor 1242/1016	ND	ug/kg	373.					
Aroclor 1248	ND	ug/kg	373.					
Aroclor 1254	ND	ug/kg	373.					
Aroclor 1260	ND	ug/kg	373.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	125.	%	30-150					
Decachlorobiphenyl	115.	%	30-150					
Extractable Total Petroleum Hydrocarbons				11	3-99	0117 11:55	0123 14:42	BW
ETPH-CT	2100000	ug/kg	74000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	91.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-03
PE254-ALS TKS (DRUMS 4-6)
Sample Matrix: SOLID

Date Collected: 14-JAN-2003 12:00
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	82.	%	0.10	30	2540G		0117 11:15	DT
Cyanide, Total	6.9	mg/kg	0.29	1	9010B	0120 15:20	0121 09:44	ED
Chloride	260000	mg/kg	6000	1	9251	0117 15:00	0117 18:29	DD
pH	7.8	SU	-	1	9045C		0116 20:25	WT
Nitrogen, Ammonia	47000	mg/kg	170	30	4500NH3-BH	0117 11:30	0121 13:54	ED
Sulfide	ND	mg/kg	0.55	1	9030B		0120 15:38	AT
Total Metals				1	3051			
Antimony, Total	7.6	mg/kg	4.8	1	6010B	0120 13:45	0121 11:54	MG
Arsenic, Total	17.	mg/kg	4.8	1	6010B	0120 13:45	0121 11:54	MG
Beryllium, Total	ND	mg/kg	2.4	1	6010B	0120 13:45	0121 11:54	MG
Cadmium, Total	25.	mg/kg	4.8	1	6010B	0120 13:45	0121 11:54	MG
Chromium, Total	2600	mg/kg	4.8	1	6010B	0120 13:45	0121 11:54	MG
Copper, Total	8300	mg/kg	4.8	1	6010B	0120 13:45	0121 11:54	MG
Lead, Total	490	mg/kg	24.	1	6010B	0120 13:45	0121 11:54	MG
Mercury, Total	0.90	mg/kg	0.09	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	1900	mg/kg	12.	1	6010B	0120 13:45	0121 11:54	MG
Selenium, Total	ND	mg/kg	4.8	1	6010B	0120 13:45	0121 11:54	MG
Silver, Total	78.	mg/kg	4.8	1	6010B	0120 13:45	0121 11:54	MG
Thallium, Total	ND	mg/kg	4.8	1	6010B	0120 13:45	0121 11:54	MG
Zinc, Total	4100	mg/kg	48.	1	6010B	0120 13:45	0121 12:41	MG
SVOC's by GC/MS 8270				1	8270C	0117 11:35	0120 16:33	HL
Acenaphthene	ND	ug/kg	3000					
Benzidine	ND	ug/kg	30000					
1,2,4-Trichlorobenzene	ND	ug/kg	3000					
Hexachlorobenzene	ND	ug/kg	3000					
Bis(2-chloroethyl)ether	ND	ug/kg	3000					
1-Chloronaphthalene	ND	ug/kg	3000					
2-Chloronaphthalene	ND	ug/kg	3600					
1,2-Dichlorobenzene	ND	ug/kg	3000					
1,3-Dichlorobenzene	ND	ug/kg	3000					
1,4-Dichlorobenzene	ND	ug/kg	3000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-03
PE254-ALS TKS (DRUMS 4-6)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 16:33	HL
3,3'-Dichlorobenzidine	ND	ug/kg	30000					
2,4-Dinitrotoluene	ND	ug/kg	3600					
2,6-Dinitrotoluene	ND	ug/kg	3000					
Azobenzene	ND	ug/kg	3000					
Fluoranthene	ND	ug/kg	3000					
4-Chlorophenyl phenyl ether	ND	ug/kg	3000					
4-Bromophenyl phenyl ether	ND	ug/kg	3000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	3000					
Bis(2-chloroethoxy)methane	ND	ug/kg	3000					
Hexachlorobutadiene	ND	ug/kg	6100					
Hexachlorocyclopentadiene	ND	ug/kg	6100					
Hexachloroethane	ND	ug/kg	3000					
Isophorone	ND	ug/kg	3000					
Naphthalene	ND	ug/kg	3000					
Nitrobenzene	ND	ug/kg	3000					
NDPA/DPA	ND	ug/kg	9100					
n-Nitrosodi-n-propylamine	ND	ug/kg	3000					
Bis(2-ethylhexyl)phthalate	41000	ug/kg	6100					
Butyl benzyl phthalate	ND	ug/kg	3000					
Di-n-butylphthalate	ND	ug/kg	3000					
Di-n-octylphthalate	6800	ug/kg	3000					
Diethyl phthalate	ND	ug/kg	3000					
Dimethyl phthalate	18000	ug/kg	3000					
Benzo(a)anthracene	ND	ug/kg	3000					
Benzo(a)pyrene	ND	ug/kg	3000					
Benzo(b)fluoranthene	ND	ug/kg	3000					
Benzo(k)fluoranthene	ND	ug/kg	3000					
Chrysene	ND	ug/kg	3000					
Acenaphthylene	ND	ug/kg	3000					
Anthracene	ND	ug/kg	3000					
Benzo(ghi)perylene	ND	ug/kg	3000					
Fluorene	ND	ug/kg	3000					
Phenanthrene	ND	ug/kg	3000					
Dibenzo(a,h)anthracene	ND	ug/kg	3000					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3000					
Pyrene	ND	ug/kg	3000					
Benzo(e)pyrene	ND	ug/kg	3000					
Biphenyl	ND	ug/kg	3000					
Perylene	ND	ug/kg	3000					
Aniline	ND	ug/kg	6100					
4-Chloroaniline	ND	ug/kg	3000					
1-Methylnaphthalene	ND	ug/kg	3000					
2-Nitroaniline	ND	ug/kg	3000					
3-Nitroaniline	ND	ug/kg	3000					
4-Nitroaniline	ND	ug/kg	4300					
Dibenzofuran	ND	ug/kg	3000					
a,a-Dimethylphenethylamine	ND	ug/kg	30000					
Hexachloropropene	ND	ug/kg	30000					
Nitrosodi-n-butylamine	ND	ug/kg	6100					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-03
PE254-ALS TKS (DRUMS 4-6)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 16:33	HL
2-Methylnaphthalene	ND	ug/kg	4900					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	12000					
Pentachlorobenzene	ND	ug/kg	12000					
a-Naphthylamine	ND	ug/kg	12000					
b-Naphthylamine	ND	ug/kg	12000					
Phenacetin	ND	ug/kg	6100					
Dimethoate	ND	ug/kg	12000					
4-Aminobiphenyl	ND	ug/kg	6100					
Pentachloronitrobenzene	ND	ug/kg	6100					
Isodrin	ND	ug/kg	6100					
p-Dimethylaminoazobenzene	ND	ug/kg	6100					
Chlorobenzilate	ND	ug/kg	12000					
3-Methylcholanthrene	ND	ug/kg	12000					
Ethyl Methanesulfonate	ND	ug/kg	9100					
Acetophenone	ND	ug/kg	12000					
Nitrosodipiperidine	ND	ug/kg	12000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	6100					
n-Nitrosodimethylamine	ND	ug/kg	30000					
2,4,6-Trichlorophenol	ND	ug/kg	3000					
p-Chloro-m-cresol	ND	ug/kg	3000					
2-Chlorophenol	ND	ug/kg	3600					
2,4-Dichlorophenol	ND	ug/kg	6100					
2,4-Dimethylphenol	ND	ug/kg	6100					
2-Nitrophenol	ND	ug/kg	12000					
4-Nitrophenol	ND	ug/kg	6100					
2,4-Dinitrophenol	ND	ug/kg	12000					
4,6-Dinitro-o-cresol	ND	ug/kg	12000					
Pentachlorophenol	ND	ug/kg	12000					
Phenol	ND	ug/kg	4300					
2-Methylphenol	ND	ug/kg	3600					
3-Methylphenol/4-Methylphenol	ND	ug/kg	3600					
2,4,5-Trichlorophenol	ND	ug/kg	3000					
2,6-Dichlorophenol	ND	ug/kg	6100					
Benzoic Acid	ND	ug/kg	30000					
Benzyl Alcohol	22000	ug/kg	6100					
Carbazole	ND	ug/kg	3000					
Pyridine	ND	ug/kg	30000					
2-Picoline	ND	ug/kg	12000					
Pronamide	ND	ug/kg	12000					
Methyl methanesulfonate	ND	ug/kg	12000					

Surrogate(s)	Recovery		QC Criteria
2-Fluorophenol	73.0	%	25-120
Phenol-d6	86.0	%	10-120
Nitrobenzene-d5	70.0	%	23-120
2-Fluorobiphenyl	84.0	%	30-120
2,4,6-Tribromophenol	48.0	%	19-120
4-Terphenyl-d14	80.0	%	18-120

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-03
PE254-ALS TKS (DRUMS 4-6)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls				1	8082	0117 11:25	0121 16:37	AK
Aroclor 1221	ND	ug/kg	305.					
Aroclor 1232	ND	ug/kg	305.					
Aroclor 1242/1016	ND	ug/kg	305.					
Aroclor 1248	ND	ug/kg	305.					
Aroclor 1254	ND	ug/kg	305.					
Aroclor 1260	ND	ug/kg	305.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	116.	%	30-150					
Decachlorobiphenyl	106.	%	30-150					
Extractable Total Petroleum Hydrocarbons				11	3-99	0117 11:55	0123 15:43	BW
ETPH-CT	1100000	ug/kg	60000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	92.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-04
PE256-ALS PIPES 1 (BAG 1)
Sample Matrix: SOLID

Date Collected: 14-JAN-2003 14:30
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	74.	%	0.10	30	2540G		0117 11:15	DT
Cyanide, Total	6.1	mg/kg	0.32	1	9010B	0120 15:20	0121 09:45	ED
Chloride	410	mg/kg	14.	1	9251	0117 15:00	0117 18:29	DD
pH	7.6	SU	-	1	9045C		0116 20:25	WT
Nitrogen, Ammonia	240	mg/kg	8.6	30	4500NH3-BH	0117 11:30	0121 14:34	ED
Sulfide	ND	mg/kg	0.61	1	9030B		0120 15:38	AT
Total Metals				1	3051			
Antimony, Total	13.	mg/kg	11.	1	6010B	0120 13:45	0121 11:59	MG
Arsenic, Total	13.	mg/kg	11.	1	6010B	0120 13:45	0121 11:59	MG
Beryllium, Total	ND	mg/kg	5.3	1	6010B	0120 13:45	0121 11:59	MG
Cadmium, Total	ND	mg/kg	11.	1	6010B	0120 13:45	0121 11:59	MG
Chromium, Total	1700	mg/kg	11.	1	6010B	0120 13:45	0121 11:59	MG
Copper, Total	1900	mg/kg	11.	1	6010B	0120 13:45	0121 11:59	MG
Lead, Total	22000	mg/kg	53.	1	6010B	0120 13:45	0121 11:59	MG
Mercury, Total	0.90	mg/kg	0.11	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	4300	mg/kg	27.	1	6010B	0120 13:45	0121 11:59	MG
Selenium, Total	ND	mg/kg	11.	1	6010B	0120 13:45	0121 11:59	MG
Silver, Total	70.	mg/kg	11.	1	6010B	0120 13:45	0121 11:59	MG
Thallium, Total	ND	mg/kg	5.3	1	6010B	0120 13:45	0121 11:59	MG
Zinc, Total	990	mg/kg	53.	1	6010B	0120 13:45	0121 11:59	MG
SVOC's by GC/MS 8270				1	8270C	0117 11:35	0120 17:21	HL
Acenaphthene	ND	ug/kg	27000					
Benzidine	ND	ug/kg	270000					
1,2,4-Trichlorobenzene	ND	ug/kg	27000					
Hexachlorobenzene	ND	ug/kg	27000					
Bis(2-chloroethyl)ether	ND	ug/kg	27000					
1-Chloronaphthalene	ND	ug/kg	27000					
2-Chloronaphthalene	ND	ug/kg	32000					
1,2-Dichlorobenzene	ND	ug/kg	27000					
1,3-Dichlorobenzene	ND	ug/kg	27000					
1,4-Dichlorobenzene	ND	ug/kg	27000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-04
PE256-ALS PIPES 1 (BAG 1)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 17:21	HL
3,3'-Dichlorobenzidine	ND	ug/kg	270000					
2,4-Dinitrotoluene	ND	ug/kg	32000					
2,6-Dinitrotoluene	ND	ug/kg	27000					
Azobenzene	ND	ug/kg	27000					
Fluoranthene	ND	ug/kg	27000					
4-Chlorophenyl phenyl ether	ND	ug/kg	27000					
4-Bromophenyl phenyl ether	ND	ug/kg	27000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	27000					
Bis(2-chloroethoxy)methane	ND	ug/kg	27000					
Hexachlorobutadiene	ND	ug/kg	54000					
Hexachlorocyclopentadiene	ND	ug/kg	54000					
Hexachloroethane	ND	ug/kg	27000					
Isophorone	ND	ug/kg	27000					
Naphthalene	ND	ug/kg	27000					
Nitrobenzene	ND	ug/kg	27000					
NDPA/DPA	ND	ug/kg	81000					
n-Nitrosodi-n-propylamine	ND	ug/kg	27000					
Bis(2-ethylhexyl)phthalate	450000	ug/kg	54000					
Butyl benzyl phthalate	100000	ug/kg	27000					
Di-n-butylphthalate	ND	ug/kg	27000					
Di-n-octylphthalate	ND	ug/kg	27000					
Diethyl phthalate	ND	ug/kg	27000					
Dimethyl phthalate	ND	ug/kg	27000					
Benzo(a)anthracene	ND	ug/kg	27000					
Benzo(a)pyrene	ND	ug/kg	27000					
Benzo(b)fluoranthene	ND	ug/kg	27000					
Benzo(k)fluoranthene	ND	ug/kg	27000					
Chrysene	ND	ug/kg	27000					
Acenaphthylene	ND	ug/kg	27000					
Anthracene	ND	ug/kg	27000					
Benzo(ghi)perylene	ND	ug/kg	27000					
Fluorene	ND	ug/kg	27000					
Phenanthrene	ND	ug/kg	27000					
Dibenzo(a,h)anthracene	ND	ug/kg	27000					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	27000					
Pyrene	ND	ug/kg	27000					
Benzo(e)pyrene	ND	ug/kg	27000					
Biphenyl	ND	ug/kg	27000					
Perylene	ND	ug/kg	27000					
Aniline	ND	ug/kg	54000					
4-Chloroaniline	ND	ug/kg	27000					
1-Methylnaphthalene	ND	ug/kg	27000					
2-Nitroaniline	ND	ug/kg	27000					
3-Nitroaniline	ND	ug/kg	27000					
4-Nitroaniline	ND	ug/kg	38000					
Dibenzofuran	ND	ug/kg	27000					
a,a-Dimethylphenethylamine	ND	ug/kg	270000					
Hexachloropropene	ND	ug/kg	270000					
Nitrosodi-n-butylamine	ND	ug/kg	54000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-04
PE256-ALS PIPES 1 (BAG 1)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 17:21	HL
2-Methylnaphthalene	ND	ug/kg	43000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	110000					
Pentachlorobenzene	ND	ug/kg	110000					
a-Naphthylamine	ND	ug/kg	110000					
b-Naphthylamine	ND	ug/kg	110000					
Phenacetin	ND	ug/kg	54000					
Dimethoate	ND	ug/kg	110000					
4-Aminobiphenyl	ND	ug/kg	54000					
Pentachloronitrobenzene	ND	ug/kg	54000					
Isodrin	ND	ug/kg	54000					
p-Dimethylaminoazobenzene	ND	ug/kg	54000					
Chlorobenzilate	ND	ug/kg	110000					
3-Methylcholanthrene	ND	ug/kg	110000					
Ethyl Methanesulfonate	ND	ug/kg	81000					
Acetophenone	ND	ug/kg	110000					
Nitrosodipiperidine	ND	ug/kg	110000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	54000					
n-Nitrosodimethylamine	ND	ug/kg	270000					
2,4,6-Trichlorophenol	ND	ug/kg	27000					
p-Chloro-m-cresol	ND	ug/kg	27000					
2-Chlorophenol	ND	ug/kg	32000					
2,4-Dichlorophenol	ND	ug/kg	54000					
2,4-Dimethylphenol	ND	ug/kg	54000					
2-Nitrophenol	ND	ug/kg	110000					
4-Nitrophenol	ND	ug/kg	54000					
2,4-Dinitrophenol	ND	ug/kg	110000					
4,6-Dinitro-o-cresol	ND	ug/kg	110000					
Pentachlorophenol	ND	ug/kg	110000					
Phenol	ND	ug/kg	38000					
2-Methylphenol	ND	ug/kg	32000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	32000					
2,4,5-Trichlorophenol	ND	ug/kg	27000					
2,6-Dichlorophenol	ND	ug/kg	54000					
Benzoic Acid	ND	ug/kg	270000					
Benzyl Alcohol	ND	ug/kg	54000					
Carbazole	ND	ug/kg	27000					
Pyridine	ND	ug/kg	270000					
2-Picoline	ND	ug/kg	110000					
Pronamide	ND	ug/kg	110000					
Methyl methanesulfonate	ND	ug/kg	110000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	106.	%	25-120					
Phenol-d6	118.	%	10-120					
Nitrobenzene-d5	108.	%	23-120					
2-Fluorobiphenyl	114.	%	30-120					
2,4,6-Tribromophenol	58.0	%	19-120					
4-Terphenyl-d14	87.0	%	18-120					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-04
PE256-ALS PIPES 1 (BAG 1)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls				1	8082	0117 11:25	0121 17:11	AK
Aroclor 1221	ND	ug/kg	3380					
Aroclor 1232	ND	ug/kg	3380					
Aroclor 1242/1016	ND	ug/kg	3380					
Aroclor 1248	ND	ug/kg	3380					
Aroclor 1254	ND	ug/kg	3380					
Aroclor 1260	ND	ug/kg	3380					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	390.	%	30-150					
Decachlorobiphenyl	858.	%	30-150					
Extractable Total Petroleum Hydrocarbons				11	3-99	0117 11:55	0124 03:35	BW
ETPH-CT	98000000	ug/kg	1400000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	ND	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-05
PE257-ALS PIPES 2 (BAG 2)
Sample Matrix: SOLID

Date Collected: 14-JAN-2003 14:34
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	56.	%	0.10	30	2540G		0117 11:15	DT
Cyanide, Total	12.	mg/kg	0.43	1	9010B	0120 15:20	0121 09:46	ED
Chloride	680	mg/kg	18.	1	9251	0117 15:00	0117 18:30	DD
pH	7.7	SU	-	1	9045C		0116 20:25	WT
Nitrogen, Ammonia	660	mg/kg	9.1	30	4500NH3-BH	0117 11:30	0121 14:35	ED
Sulfide	ND	mg/kg	0.80	1	9030B		0120 15:38	AT
Total Metals				1	3051			
Antimony, Total	14.	mg/kg	7.0	1	6010B	0120 13:45	0121 12:20	MG
Arsenic, Total	20.	mg/kg	14.	1	6010B	0120 13:45	0121 12:20	MG
Beryllium, Total	ND	mg/kg	7.0	1	6010B	0120 13:45	0121 12:20	MG
Cadmium, Total	ND	mg/kg	14.	1	6010B	0120 13:45	0121 12:20	MG
Chromium, Total	1600	mg/kg	14.	1	6010B	0120 13:45	0121 12:20	MG
Copper, Total	1900	mg/kg	14.	1	6010B	0120 13:45	0121 12:20	MG
Lead, Total	34000	mg/kg	70.	1	6010B	0120 13:45	0121 12:20	MG
Mercury, Total	2.5	mg/kg	0.15	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	9300	mg/kg	35.	1	6010B	0120 13:45	0121 12:20	MG
Selenium, Total	ND	mg/kg	14.	1	6010B	0120 13:45	0121 12:20	MG
Silver, Total	80.	mg/kg	14.	1	6010B	0120 13:45	0121 12:20	MG
Thallium, Total	ND	mg/kg	7.0	1	6010B	0120 13:45	0121 12:20	MG
Zinc, Total	900	mg/kg	70.	1	6010B	0120 13:45	0121 12:20	MG
SVOC's by GC/MS 8270				1	8270C	0117 11:35	0120 18:10	HL
Acenaphthene	ND	ug/kg	36000					
Benzidine	ND	ug/kg	360000					
1,2,4-Trichlorobenzene	ND	ug/kg	36000					
Hexachlorobenzene	ND	ug/kg	36000					
Bis(2-chloroethyl)ether	ND	ug/kg	36000					
1-Chloronaphthalene	ND	ug/kg	36000					
2-Chloronaphthalene	ND	ug/kg	43000					
1,2-Dichlorobenzene	ND	ug/kg	36000					
1,3-Dichlorobenzene	ND	ug/kg	36000					
1,4-Dichlorobenzene	ND	ug/kg	36000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-05
PE257-ALS PIPES 2 (BAG 2)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 18:10	HL
3,3'-Dichlorobenzidine	ND	ug/kg	360000					
2,4-Dinitrotoluene	ND	ug/kg	43000					
2,6-Dinitrotoluene	ND	ug/kg	36000					
Azobenzene	ND	ug/kg	36000					
Fluoranthene	65000	ug/kg	36000					
4-Chlorophenyl phenyl ether	ND	ug/kg	36000					
4-Bromophenyl phenyl ether	ND	ug/kg	36000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	36000					
Bis(2-chloroethoxy)methane	ND	ug/kg	36000					
Hexachlorobutadiene	ND	ug/kg	71000					
Hexachlorocyclopentadiene	ND	ug/kg	71000					
Hexachloroethane	ND	ug/kg	36000					
Isophorone	ND	ug/kg	36000					
Naphthalene	ND	ug/kg	36000					
Nitrobenzene	ND	ug/kg	36000					
NDPA/DPA	ND	ug/kg	110000					
n-Nitrosodi-n-propylamine	ND	ug/kg	36000					
Bis(2-ethylhexyl)phthalate	720000	ug/kg	71000					
Butyl benzyl phthalate	ND	ug/kg	36000					
Di-n-butylphthalate	ND	ug/kg	36000					
Di-n-octylphthalate	ND	ug/kg	36000					
Diethyl phthalate	ND	ug/kg	36000					
Dimethyl phthalate	ND	ug/kg	36000					
Benzo(a)anthracene	ND	ug/kg	36000					
Benzo(a)pyrene	ND	ug/kg	36000					
Benzo(b)fluoranthene	ND	ug/kg	36000					
Benzo(k)fluoranthene	ND	ug/kg	36000					
Chrysene	ND	ug/kg	36000					
Acenaphthylene	ND	ug/kg	36000					
Anthracene	ND	ug/kg	36000					
Benzo(ghi)perylene	ND	ug/kg	36000					
Fluorene	ND	ug/kg	36000					
Phenanthrene	43000	ug/kg	36000					
Dibenzo(a,h)anthracene	ND	ug/kg	36000					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	36000					
Pyrene	ND	ug/kg	36000					
Benzo(e)pyrene	ND	ug/kg	36000					
Biphenyl	ND	ug/kg	36000					
Perylene	ND	ug/kg	36000					
Aniline	ND	ug/kg	71000					
4-Chloroaniline	ND	ug/kg	36000					
1-Methylnaphthalene	ND	ug/kg	36000					
2-Nitroaniline	ND	ug/kg	36000					
3-Nitroaniline	ND	ug/kg	36000					
4-Nitroaniline	ND	ug/kg	50000					
Dibenzofuran	ND	ug/kg	36000					
a,a-Dimethylphenethylamine	ND	ug/kg	360000					
Hexachloropropene	ND	ug/kg	360000					
Nitrosodi-n-butylamine	ND	ug/kg	71000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-05
PE257-ALS PIPES 2 (BAG 2)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 18:10	HL
2-Methylnaphthalene	ND	ug/kg	57000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	140000					
Pentachlorobenzene	ND	ug/kg	140000					
a-Naphthylamine	ND	ug/kg	140000					
b-Naphthylamine	ND	ug/kg	140000					
Phenacetin	ND	ug/kg	71000					
Dimethoate	ND	ug/kg	140000					
4-Aminobiphenyl	ND	ug/kg	71000					
Pentachloronitrobenzene	ND	ug/kg	71000					
Isodrin	ND	ug/kg	71000					
p-Dimethylaminoazobenzene	ND	ug/kg	71000					
Chlorobenzilate	ND	ug/kg	140000					
3-Methylcholanthrene	ND	ug/kg	140000					
Ethyl Methanesulfonate	ND	ug/kg	110000					
Acetophenone	ND	ug/kg	140000					
Nitrosodipiperidine	ND	ug/kg	140000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	71000					
n-Nitrosodimethylamine	ND	ug/kg	360000					
2,4,6-Trichlorophenol	ND	ug/kg	36000					
p-Chloro-m-cresol	ND	ug/kg	36000					
2-Chlorophenol	ND	ug/kg	43000					
2,4-Dichlorophenol	ND	ug/kg	71000					
2,4-Dimethylphenol	ND	ug/kg	71000					
2-Nitrophenol	ND	ug/kg	140000					
4-Nitrophenol	ND	ug/kg	71000					
2,4-Dinitrophenol	ND	ug/kg	140000					
4,6-Dinitro-o-cresol	ND	ug/kg	140000					
Pentachlorophenol	ND	ug/kg	140000					
Phenol	ND	ug/kg	50000					
2-Methylphenol	ND	ug/kg	43000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	43000					
2,4,5-Trichlorophenol	ND	ug/kg	36000					
2,6-Dichlorophenol	ND	ug/kg	71000					
Benzoic Acid	ND	ug/kg	360000					
Benzyl Alcohol	ND	ug/kg	71000					
Carbazole	ND	ug/kg	36000					
Pyridine	ND	ug/kg	360000					
2-Picoline	ND	ug/kg	140000					
Pronamide	ND	ug/kg	140000					
Methyl methanesulfonate	ND	ug/kg	140000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-05
PE257-ALS PIPES 2 (BAG 2)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls				1	8082	0117 11:25	0121 17:44	AK
Aroclor 1221	ND	ug/kg	4460					
Aroclor 1232	ND	ug/kg	4460					
Aroclor 1242/1016	ND	ug/kg	4460					
Aroclor 1248	ND	ug/kg	4460					
Aroclor 1254	ND	ug/kg	4460					
Aroclor 1260	ND	ug/kg	4460					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	388.	%	30-150					
Decachlorobiphenyl	903.	%	30-150					
Extractable Total Petroleum Hydrocarbons				11	3-99	0117 11:55	0124 04:40	BW
ETPH-CT	90000000	ug/kg	1800000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	ND	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-06
PE258-TOTE TK15
Sample Matrix: SOLID

Date Collected: 14-JAN-2003 14:15
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	99.	%	0.10	30	2540G		0117 11:15	DT
Cyanide, Total	0.43	mg/kg	0.25	1	9010B	0120 15:20	0121 09:46	ED
Chloride	64.	mg/kg	10.	1	9251	0117 15:00	0117 18:31	DD
pH	9.1	SU	-	1	9045C		0116 20:25	WT
Nitrogen, Ammonia	12.	mg/kg	5.2	30	4500NH3-BH	0117 11:30	0121 14:36	ED
Sulfide	1.7	mg/kg	0.50	1	9030B		0120 15:38	AT
Total Metals				1	3051			
Antimony, Total	6.2	mg/kg	0.40	1	6010B	0120 13:45	0121 12:25	MG
Arsenic, Total	ND	mg/kg	4.0	1	6010B	0120 13:45	0121 12:25	MG
Beryllium, Total	4.9	mg/kg	2.0	1	6010B	0120 13:45	0121 12:25	MG
Cadmium, Total	8.9	mg/kg	4.0	1	6010B	0120 13:45	0121 12:25	MG
Chromium, Total	370	mg/kg	4.0	1	6010B	0120 13:45	0121 12:25	MG
Copper, Total	1000	mg/kg	4.0	1	6010B	0120 13:45	0121 12:25	MG
Lead, Total	230	mg/kg	20.	1	6010B	0120 13:45	0121 12:25	MG
Mercury, Total	0.19	mg/kg	0.07	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	220	mg/kg	9.9	1	6010B	0120 13:45	0121 12:25	MG
Selenium, Total	ND	mg/kg	4.0	1	6010B	0120 13:45	0121 12:25	MG
Silver, Total	8.9	mg/kg	4.0	1	6010B	0120 13:45	0121 12:25	MG
Thallium, Total	ND	mg/kg	4.0	1	6010B	0120 13:45	0121 12:25	MG
Zinc, Total	520	mg/kg	20.	1	6010B	0120 13:45	0121 12:25	MG
SVOC's by GC/MS 8270				1	8270C	0117 11:35	0121 11:03	HL
Acenaphthene	ND	ug/kg	500					
Benzidine	ND	ug/kg	5000					
1,2,4-Trichlorobenzene	ND	ug/kg	500					
Hexachlorobenzene	ND	ug/kg	500					
Bis(2-chloroethyl)ether	ND	ug/kg	500					
1-Chloronaphthalene	ND	ug/kg	500					
2-Chloronaphthalene	ND	ug/kg	610					
1,2-Dichlorobenzene	ND	ug/kg	500					
1,3-Dichlorobenzene	ND	ug/kg	500					
1,4-Dichlorobenzene	ND	ug/kg	500					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-06
PE258-TOTE TK15

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0121 11:03	HL
3,3'-Dichlorobenzidine	ND	ug/kg	5000					
2,4-Dinitrotoluene	ND	ug/kg	610					
2,6-Dinitrotoluene	ND	ug/kg	500					
Azobenzene	ND	ug/kg	500					
Fluoranthene	ND	ug/kg	500					
4-Chlorophenyl phenyl ether	ND	ug/kg	500					
4-Bromophenyl phenyl ether	ND	ug/kg	500					
Bis(2-chloroisopropyl)ether	ND	ug/kg	500					
Bis(2-chloroethoxy)methane	ND	ug/kg	500					
Hexachlorobutadiene	ND	ug/kg	1000					
Hexachlorocyclopentadiene	ND	ug/kg	1000					
Hexachloroethane	ND	ug/kg	500					
Isophorone	ND	ug/kg	500					
Naphthalene	ND	ug/kg	500					
Nitrobenzene	ND	ug/kg	500					
NDPA/DPA	ND	ug/kg	1500					
n-Nitrosodi-n-propylamine	ND	ug/kg	500					
Bis(2-ethylhexyl)phthalate	7800	ug/kg	1000					
Butyl benzyl phthalate	ND	ug/kg	500					
Di-n-butylphthalate	ND	ug/kg	500					
Di-n-octylphthalate	ND	ug/kg	500					
Diethyl phthalate	ND	ug/kg	500					
Dimethyl phthalate	12000	ug/kg	500					
Benzo(a)anthracene	ND	ug/kg	500					
Benzo(a)pyrene	ND	ug/kg	500					
Benzo(b)fluoranthene	ND	ug/kg	500					
Benzo(k)fluoranthene	ND	ug/kg	500					
Chrysene	ND	ug/kg	500					
Acenaphthylene	ND	ug/kg	500					
Anthracene	ND	ug/kg	500					
Benzo(ghi)perylene	ND	ug/kg	500					
Fluorene	ND	ug/kg	500					
Phenanthrene	ND	ug/kg	500					
Dibenzo(a,h)anthracene	ND	ug/kg	500					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	500					
Pyrene	ND	ug/kg	500					
Benzo(e)pyrene	ND	ug/kg	500					
Biphenyl	ND	ug/kg	500					
Perylene	ND	ug/kg	500					
Aniline	ND	ug/kg	1000					
4-Chloroaniline	ND	ug/kg	500					
1-Methylnaphthalene	ND	ug/kg	500					
2-Nitroaniline	ND	ug/kg	500					
3-Nitroaniline	ND	ug/kg	500					
4-Nitroaniline	ND	ug/kg	710					
Dibenzofuran	ND	ug/kg	500					
a,a-Dimethylphenethylamine	ND	ug/kg	5000					
Hexachloropropene	ND	ug/kg	5000					
Nitrosodi-n-butylamine	ND	ug/kg	1000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-06
PE258-TOTE TK15

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0121 11:03	HL
2-Methylnaphthalene	ND	ug/kg	810					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	2000					
Pentachlorobenzene	ND	ug/kg	2000					
a-Naphthylamine	ND	ug/kg	2000					
b-Naphthylamine	ND	ug/kg	2000					
Phenacetin	ND	ug/kg	1000					
Dimethoate	ND	ug/kg	2000					
4-Aminobiphenyl	ND	ug/kg	1000					
Pentachloronitrobenzene	ND	ug/kg	1000					
Isodrin	ND	ug/kg	1000					
p-Dimethylaminoazobenzene	ND	ug/kg	1000					
Chlorobenzilate	ND	ug/kg	2000					
3-Methylcholanthrene	ND	ug/kg	2000					
Ethyl Methanesulfonate	ND	ug/kg	1500					
Acetophenone	ND	ug/kg	2000					
Nitrosodipiperidine	ND	ug/kg	2000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	1000					
n-Nitrosodimethylamine	ND	ug/kg	5000					
2,4,6-Trichlorophenol	ND	ug/kg	500					
p-Chloro-m-cresol	ND	ug/kg	500					
2-Chlorophenol	ND	ug/kg	610					
2,4-Dichlorophenol	ND	ug/kg	1000					
2,4-Dimethylphenol	ND	ug/kg	1000					
2-Nitrophenol	ND	ug/kg	2000					
4-Nitrophenol	ND	ug/kg	1000					
2,4-Dinitrophenol	ND	ug/kg	2000					
4,6-Dinitro-o-cresol	ND	ug/kg	2000					
Pentachlorophenol	ND	ug/kg	2000					
Phenol	ND	ug/kg	710					
2-Methylphenol	ND	ug/kg	610					
3-Methylphenol/4-Methylphenol	ND	ug/kg	610					
2,4,5-Trichlorophenol	ND	ug/kg	500					
2,6-Dichlorophenol	ND	ug/kg	1000					
Benzoic Acid	ND	ug/kg	5000					
Benzyl Alcohol	ND	ug/kg	1000					
Carbazole	ND	ug/kg	500					
Pyridine	ND	ug/kg	5000					
2-Picoline	ND	ug/kg	2000					
Pronamide	ND	ug/kg	2000					
Methyl methanesulfonate	ND	ug/kg	2000					

Surrogate(s)	Recovery		QC Criteria
2-Fluorophenol	66.0	%	25-120
Phenol-d6	75.0	%	10-120
Nitrobenzene-d5	70.0	%	23-120
2-Fluorobiphenyl	78.0	%	30-120
2,4,6-Tribromophenol	31.0	%	19-120
4-Terphenyl-d14	73.0	%	18-120

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-06
PE258-TOTE TK15

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls				1	8082	0117 11:25	0120 13:38	AK
Aroclor 1221	ND	ug/kg	252.					
Aroclor 1232	ND	ug/kg	252.					
Aroclor 1242/1016	ND	ug/kg	252.					
Aroclor 1248	ND	ug/kg	252.					
Aroclor 1254	ND	ug/kg	252.					
Aroclor 1260	ND	ug/kg	252.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	101.	%	30-150					
Decachlorobiphenyl	82.0	%	30-150					
Extractable Total Petroleum Hydrocarbons				11	3-99	0117 11:55	0123 07:00	BW
ETPH-CT	560000	ug/kg	10000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	90.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-07
PE259-ALS PIPES (CH TOTE)
Sample Matrix: WATER

Date Collected: 14-JAN-2003 15:30
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	4	335.2	0121 15:08	0123 10:49	ED
Chloride	110	mg/l	5.0	4	325.2		0121 15:48	DD
pH	7.1	SU	-	4	150.1		0116 20:06	WT
Nitrogen, Ammonia	22.4	mg/l	0.075	44	350.1	0121 14:40	0122 11:35	ED
Sulfide	ND	mg/l	0.10	4	376.2		0121 14:29	AT
Total Metals				19	200.7			
Antimony, Total	ND	mg/l	0.050	19	200.7	0121 12:00	0122 10:52	MG
Arsenic, Total	ND	mg/l	0.005	19	200.7	0121 12:00	0122 10:52	MG
Beryllium, Total	ND	mg/l	0.005	19	200.7	0121 12:00	0122 10:52	MG
Cadmium, Total	0.012	mg/l	0.005	19	200.7	0121 12:00	0122 10:52	MG
Chromium, Total	ND	mg/l	0.01	19	200.7	0121 12:00	0122 10:52	MG
Copper, Total	0.62	mg/l	0.01	19	200.7	0121 12:00	0122 10:52	MG
Lead, Total	2.63	mg/l	0.050	19	200.7	0121 12:00	0122 10:52	MG
Mercury, Total	ND	mg/l	0.0005	4	245.2	0121 16:45	0122 12:45	DM
Nickel, Total	1.52	mg/l	0.025	19	200.7	0121 12:00	0122 10:52	MG
Selenium, Total	ND	mg/l	0.005	19	200.7	0121 12:00	0122 10:52	MG
Silver, Total	ND	mg/l	0.010	19	200.7	0121 12:00	0122 10:52	MG
Thallium, Total	ND	mg/l	0.005	19	200.7	0121 12:00	0122 10:52	MG
Zinc, Total	2.4	mg/l	0.05	19	200.7	0121 12:00	0122 10:52	MG
SVOC's by GC/MS 625				5	625	0120 11:00	0122 10:51	HL
Acenaphthene	ND	ug/l	24.					
Benzidine	ND	ug/l	240					
1,2,4-Trichlorobenzene	ND	ug/l	24.					
Hexachlorobenzene	ND	ug/l	24.					
Bis(2-chloroethyl)ether	ND	ug/l	24.					
2-Chloronaphthalene	ND	ug/l	29.					
1,2-Dichlorobenzene	ND	ug/l	24.					
1,3-Dichlorobenzene	ND	ug/l	24.					
1,4-Dichlorobenzene	ND	ug/l	24.					
3,3'-Dichlorobenzidine	ND	ug/l	240					
2,4-Dinitrotoluene	ND	ug/l	29.					
2,6-Dinitrotoluene	ND	ug/l	24.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-07
PE259-ALS PIPES (CH TOTE)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 625 continued				5	625	0120 11:00	0122 10:51	HL
Azobenzene	ND	ug/l	24.					
Fluoranthene	ND	ug/l	24.					
4-Chlorophenyl phenyl ether	ND	ug/l	24.					
4-Bromophenyl phenyl ether	ND	ug/l	24.					
Bis(2-chloroisopropyl)ether	ND	ug/l	24.					
Bis(2-chloroethoxy)methane	ND	ug/l	24.					
Hexachlorobutadiene	ND	ug/l	49.					
Hexachlorocyclopentadiene	ND	ug/l	49.					
Hexachloroethane	ND	ug/l	24.					
Isophorone	ND	ug/l	24.					
Naphthalene	ND	ug/l	24.					
Nitrobenzene	ND	ug/l	24.					
NDPA/DPA	ND	ug/l	73.					
n-Nitrosodi-n-propylamine	ND	ug/l	24.					
Bis(2-ethylhexyl)phthalate	ND	ug/l	49.					
Butyl benzyl phthalate	ND	ug/l	24.					
Di-n-butylphthalate	ND	ug/l	24.					
Di-n-octylphthalate	ND	ug/l	24.					
Diethyl phthalate	ND	ug/l	24.					
Dimethyl phthalate	26.	ug/l	24.					
Benzo(a)anthracene	ND	ug/l	24.					
Benzo(a)pyrene	ND	ug/l	24.					
Benzo(b)fluoranthene	ND	ug/l	24.					
Benzo(k)fluoranthene	ND	ug/l	24.					
Chrysene	ND	ug/l	24.					
Acenaphthylene	ND	ug/l	24.					
Anthracene	ND	ug/l	24.					
Benzo(ghi)perylene	ND	ug/l	24.					
Fluorene	ND	ug/l	24.					
Phenanthrene	ND	ug/l	24.					
Dibenzo(a,h)anthracene	ND	ug/l	24.					
Indeno(1,2,3-cd)pyrene	ND	ug/l	34.					
Pyrene	ND	ug/l	24.					
Aniline	ND	ug/l	49.					
4-Chloroaniline	ND	ug/l	24.					
1-Methylnaphthalene	ND	ug/l	24.					
2-Nitroaniline	ND	ug/l	24.					
3-Nitroaniline	ND	ug/l	24.					
4-Nitroaniline	ND	ug/l	34.					
Dibenzofuran	ND	ug/l	24.					
2-Methylnaphthalene	ND	ug/l	39.					
n-Nitrosodimethylamine	ND	ug/l	240					
2,4,6-Trichlorophenol	ND	ug/l	24.					
p-Chloro-m-cresol	ND	ug/l	24.					
2-Chlorophenol	ND	ug/l	29.					
2,4-Dichlorophenol	ND	ug/l	49.					
2,4-Dimethylphenol	ND	ug/l	49.					
2-Nitrophenol	ND	ug/l	98.					
4-Nitrophenol	ND	ug/l	49.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-07
PE259-ALS PIPES (CH TOTE)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 625 continued				5	625	0120 11:00	0122 10:51	HL
2,4-Dinitrophenol	ND	ug/l	98.					
4,6-Dinitro-o-cresol	ND	ug/l	98.					
Pentachlorophenol	ND	ug/l	98.					
Phenol	ND	ug/l	34.					
2-Methylphenol	ND	ug/l	29.					
3-Methylphenol/4-Methylphenol	ND	ug/l	29.					
2,4,5-Trichlorophenol	ND	ug/l	24.					
2,6-Dichlorophenol	ND	ug/l	49.					
Benzoic Acid	ND	ug/l	240					
Benzyl Alcohol	ND	ug/l	49.					
Carbazole	ND	ug/l	24.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	72.0	%						
Phenol-d6	69.0	%						
Nitrobenzene-d5	74.0	%						
2-Fluorobiphenyl	78.0	%						
2,4,6-Tribromophenol	89.0	%						
4-Terphenyl-d14	84.0	%						
Polychlorinated Biphenyls				5	608	0120 16:40	0121 19:54	AK
Aroclor 1221	ND	ug/l	12.2					
Aroclor 1232	ND	ug/l	12.2					
Aroclor 1242/1016	ND	ug/l	12.2					
Aroclor 1248	ND	ug/l	12.2					
Aroclor 1254	ND	ug/l	12.2					
Aroclor 1260	ND	ug/l	12.2					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	115.	%						
Decachlorobiphenyl	114.	%						
Extractable Total Petroleum Hydrocarbons				11	3-99	0120 16:00	0122 23:26	BW
ETPH-CT	2400	ug/l	200					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	92.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-08
PE255-ALS TKS (DRUM 7)
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 12:05
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	50.	%	0.10	30	2540G		0117 11:15	DT
Cyanide, Total	9.4	mg/kg	0.49	1	9010B	0120 15:20	0121 09:49	ED
Chloride	1500	mg/kg	20.	1	9251	0117 15:00	0117 18:31	DD
pH	8.5	SU	-	1	9045C		0116 20:25	WT
Nitrogen, Ammonia	140	mg/kg	9.6	30	4500NH3-BH	0117 11:30	0121 14:37	ED
Sulfide	ND	mg/kg	1.0	1	9030B		0120 15:38	AT
Total Metals				1	3051			
Antimony, Total	12.	mg/kg	7.9	1	6010B	0120 13:45	0121 12:31	MG
Arsenic, Total	8.4	mg/kg	7.9	1	6010B	0120 13:45	0121 12:31	MG
Beryllium, Total	ND	mg/kg	3.9	1	6010B	0120 13:45	0121 12:31	MG
Cadmium, Total	93.	mg/kg	7.9	1	6010B	0120 13:45	0121 12:31	MG
Chromium, Total	5300	mg/kg	7.9	1	6010B	0120 13:45	0121 12:31	MG
Copper, Total	14000	mg/kg	7.9	1	6010B	0120 13:45	0121 12:31	MG
Lead, Total	660	mg/kg	39.	1	6010B	0120 13:45	0121 12:31	MG
Mercury, Total	2.2	mg/kg	0.16	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	3200	mg/kg	20.	1	6010B	0120 13:45	0121 12:31	MG
Selenium, Total	ND	mg/kg	7.9	1	6010B	0120 13:45	0121 12:31	MG
Silver, Total	62.	mg/kg	7.9	1	6010B	0120 13:45	0121 12:31	MG
Thallium, Total	ND	mg/kg	7.9	1	6010B	0120 13:45	0121 12:31	MG
Zinc, Total	7800	mg/kg	79.	1	6010B	0120 13:45	0121 12:53	MG
SVOC's by GC/MS 8270				1	8270C	0117 11:35	0121 11:51	HL
Acenaphthene	ND	ug/kg	1000					
Benzidine	ND	ug/kg	10000					
1,2,4-Trichlorobenzene	ND	ug/kg	1000					
Hexachlorobenzene	ND	ug/kg	1000					
Bis(2-chloroethyl)ether	ND	ug/kg	1000					
1-Chloronaphthalene	ND	ug/kg	1000					
2-Chloronaphthalene	ND	ug/kg	1200					
1,2-Dichlorobenzene	ND	ug/kg	1000					
1,3-Dichlorobenzene	ND	ug/kg	1000					
1,4-Dichlorobenzene	ND	ug/kg	1000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-08
PE255-ALS TKS (DRUM 7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0121 11:51	HL
3,3'-Dichlorobenzidine	ND	ug/kg	10000					
2,4-Dinitrotoluene	ND	ug/kg	1200					
2,6-Dinitrotoluene	ND	ug/kg	1000					
Azobenzene	ND	ug/kg	1000					
Fluoranthene	ND	ug/kg	1000					
4-Chlorophenyl phenyl ether	ND	ug/kg	1000					
4-Bromophenyl phenyl ether	ND	ug/kg	1000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	1000					
Bis(2-chloroethoxy)methane	ND	ug/kg	1000					
Hexachlorobutadiene	ND	ug/kg	2000					
Hexachlorocyclopentadiene	ND	ug/kg	2000					
Hexachloroethane	ND	ug/kg	1000					
Isophorone	ND	ug/kg	1000					
Naphthalene	ND	ug/kg	1000					
Nitrobenzene	ND	ug/kg	1000					
NDPA/DPA	ND	ug/kg	3000					
n-Nitrosodi-n-propylamine	ND	ug/kg	1000					
Bis(2-ethylhexyl)phthalate	2100	ug/kg	2000					
Butyl benzyl phthalate	ND	ug/kg	1000					
Di-n-butylphthalate	ND	ug/kg	1000					
Di-n-octylphthalate	ND	ug/kg	1000					
Diethyl phthalate	ND	ug/kg	1000					
Dimethyl phthalate	5000	ug/kg	1000					
Benzo(a)anthracene	ND	ug/kg	1000					
Benzo(a)pyrene	ND	ug/kg	1000					
Benzo(b)fluoranthene	ND	ug/kg	1000					
Benzo(k)fluoranthene	ND	ug/kg	1000					
Chrysene	ND	ug/kg	1000					
Acenaphthylene	ND	ug/kg	1000					
Anthracene	ND	ug/kg	1000					
Benzo(ghi)perylene	ND	ug/kg	1000					
Fluorene	ND	ug/kg	1000					
Phenanthrene	ND	ug/kg	1000					
Dibenzo(a,h)anthracene	ND	ug/kg	1000					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	1000					
Pyrene	ND	ug/kg	1000					
Benzo(e)pyrene	ND	ug/kg	1000					
Biphenyl	ND	ug/kg	1000					
Perylene	ND	ug/kg	1000					
Aniline	ND	ug/kg	2000					
4-Chloroaniline	ND	ug/kg	1000					
1-Methylnaphthalene	ND	ug/kg	1000					
2-Nitroaniline	ND	ug/kg	1000					
3-Nitroaniline	ND	ug/kg	1000					
4-Nitroaniline	ND	ug/kg	1400					
Dibenzofuran	ND	ug/kg	1000					
a,a-Dimethylphenethylamine	ND	ug/kg	10000					
Hexachloropropene	ND	ug/kg	10000					
Nitrosodi-n-butylamine	ND	ug/kg	2000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-08
PE255-ALS TKS (DRUM 7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0121 11:51	HL
2-Methylnaphthalene	ND	ug/kg	1600					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	4000					
Pentachlorobenzene	ND	ug/kg	4000					
a-Naphthylamine	ND	ug/kg	4000					
b-Naphthylamine	ND	ug/kg	4000					
Phenacetin	ND	ug/kg	2000					
Dimethoate	ND	ug/kg	4000					
4-Aminobiphenyl	ND	ug/kg	2000					
Pentachloronitrobenzene	ND	ug/kg	2000					
Isodrin	ND	ug/kg	2000					
p-Dimethylaminoazobenzene	ND	ug/kg	2000					
Chlorobenzilate	ND	ug/kg	4000					
3-Methylcholanthrene	ND	ug/kg	4000					
Ethyl Methanesulfonate	ND	ug/kg	3000					
Acetophenone	ND	ug/kg	4000					
Nitrosodipiperidine	ND	ug/kg	4000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	2000					
n-Nitrosodimethylamine	ND	ug/kg	10000					
2,4,6-Trichlorophenol	ND	ug/kg	1000					
p-Chloro-m-cresol	ND	ug/kg	1000					
2-Chlorophenol	ND	ug/kg	1200					
2,4-Dichlorophenol	ND	ug/kg	2000					
2,4-Dimethylphenol	ND	ug/kg	2000					
2-Nitrophenol	ND	ug/kg	4000					
4-Nitrophenol	ND	ug/kg	2000					
2,4-Dinitrophenol	ND	ug/kg	4000					
4,6-Dinitro-o-cresol	ND	ug/kg	4000					
Pentachlorophenol	ND	ug/kg	4000					
Phenol	ND	ug/kg	1400					
2-Methylphenol	ND	ug/kg	1200					
3-Methylphenol/4-Methylphenol	ND	ug/kg	1200					
2,4,5-Trichlorophenol	ND	ug/kg	1000					
2,6-Dichlorophenol	ND	ug/kg	2000					
Benzoic Acid	ND	ug/kg	10000					
Benzyl Alcohol	ND	ug/kg	2000					
Carbazole	ND	ug/kg	1000					
Pyridine	ND	ug/kg	10000					
2-Picoline	ND	ug/kg	4000					
Pronamide	ND	ug/kg	4000					
Methyl methanesulfonate	ND	ug/kg	4000					

Surrogate(s)	Recovery		QC Criteria
2-Fluorophenol	61.0	%	25-120
Phenol-d6	72.0	%	10-120
Nitrobenzene-d5	62.0	%	23-120
2-Fluorobiphenyl	75.0	%	30-120
2,4,6-Tribromophenol	47.0	%	19-120
4-Terphenyl-d14	77.0	%	18-120

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300502-08
PE255-ALS TKS (DRUM 7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls				1	8082	0117 11:25	0120 16:00	AK
Aroclor 1221	ND	ug/kg	500.					
Aroclor 1232	ND	ug/kg	500.					
Aroclor 1242/1016	ND	ug/kg	500.					
Aroclor 1248	ND	ug/kg	500.					
Aroclor 1254	ND	ug/kg	500.					
Aroclor 1260	ND	ug/kg	500.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	87.0	%	30-150					
Decachlorobiphenyl	59.0	%	30-150					
Extractable Total Petroleum Hydrocarbons				11	3-99	0117 11:55	0123 10:15	BW
ETPH-CT	570000	ug/kg	20000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	60.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-09
PE260-E2
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 10:35
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0120 15:20	0121 10:21	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 12:57	RW
Barium, Total	24.	ug Abs	0.50	1	6010B	0117 14:30	0120 12:57	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 12:57	RW
Chromium, Total	1.8	ug Abs	0.50	1	6010B	0117 14:30	0120 12:57	RW
Copper, Total	6.1	ug Abs	0.50	1	6010B	0117 14:30	0120 12:57	RW
Iron, Total	22.	ug Abs	2.5	1	6010B	0117 14:30	0120 12:57	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0117 14:30	0120 12:57	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0117 14:30	0120 12:57	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 12:57	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 12:57	RW
Zinc, Total	28.	ug Abs	2.5	1	6010B	0117 14:30	0120 12:57	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-10
PE261-E1
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 10:40
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0120 15:20	0121 09:53	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:01	RW
Barium, Total	12.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:01	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:01	RW
Chromium, Total	1.4	ug Abs	0.50	1	6010B	0117 14:30	0120 13:01	RW
Copper, Total	3.2	ug Abs	0.50	1	6010B	0117 14:30	0120 13:01	RW
Iron, Total	22.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:01	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0117 14:30	0120 13:01	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0117 14:30	0120 13:01	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 13:01	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:01	RW
Zinc, Total	14.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:01	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-11
PE262-ER2
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 10:45
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0120 15:20	0121 10:22	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:05	RW
Barium, Total	79.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:05	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:05	RW
Chromium, Total	1.1	ug Abs	0.50	1	6010B	0117 14:30	0120 13:05	RW
Copper, Total	2.8	ug Abs	0.50	1	6010B	0117 14:30	0120 13:05	RW
Iron, Total	30.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:05	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0117 14:30	0120 13:05	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0117 14:30	0120 13:05	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 13:05	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:05	RW
Zinc, Total	67.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:05	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-12
PE263-S2
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 10:15
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	0.27	ug Abs	0.25	1	9010B	0120 15:20	0121 09:54	ED
Total Metals				1	3051			
Arsenic, Total	0.92	ug Abs	0.50	1	6010B	0117 14:30	0120 13:08	RW
Barium, Total	32.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:08	RW
Cadmium, Total	1.8	ug Abs	0.50	1	6010B	0117 14:30	0120 13:08	RW
Chromium, Total	150	ug Abs	0.50	1	6010B	0117 14:30	0120 13:08	RW
Copper, Total	560	ug Abs	0.50	1	6010B	0117 14:30	0120 13:08	RW
Iron, Total	830	ug Abs	2.5	1	6010B	0117 14:30	0120 13:08	RW
Lead, Total	27.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:08	RW
Mercury, Total	0.170	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	130	ug Abs	1.2	1	6010B	0117 14:30	0120 13:08	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 13:08	RW
Silver, Total	16.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:08	RW
Zinc, Total	380	ug Abs	2.5	1	6010B	0117 14:30	0120 13:08	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-13
PE264-S1
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 10:20
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0120 15:20	0121 09:55	ED
Total Metals				1	3051			
Arsenic, Total	0.54	ug Abs	0.50	1	6010B	0117 14:30	0120 13:12	RW
Barium, Total	22.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:12	RW
Cadmium, Total	0.82	ug Abs	0.50	1	6010B	0117 14:30	0120 13:12	RW
Chromium, Total	97.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:12	RW
Copper, Total	400	ug Abs	0.50	1	6010B	0117 14:30	0120 13:12	RW
Iron, Total	650	ug Abs	2.5	1	6010B	0117 14:30	0120 13:12	RW
Lead, Total	21.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:12	RW
Mercury, Total	0.110	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	72.	ug Abs	1.2	1	6010B	0117 14:30	0120 13:12	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 13:12	RW
Silver, Total	4.8	ug Abs	0.50	1	6010B	0117 14:30	0120 13:12	RW
Zinc, Total	150	ug Abs	2.5	1	6010B	0117 14:30	0120 13:12	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-14
PE265-VC2
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 10:25
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0120 15:20	0121 10:23	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:16	RW
Barium, Total	94.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:16	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:16	RW
Chromium, Total	3.1	ug Abs	0.50	1	6010B	0117 14:30	0120 13:16	RW
Copper, Total	8.1	ug Abs	0.50	1	6010B	0117 14:30	0120 13:16	RW
Iron, Total	43.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:16	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0117 14:30	0120 13:16	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	2.3	ug Abs	1.2	1	6010B	0117 14:30	0120 13:16	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 13:16	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:16	RW
Zinc, Total	82.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:16	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-15
PE266-ALS PIPE 1
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 11:45
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0120 15:20	0121 10:23	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:30	RW
Barium, Total	18.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:30	RW
Cadmium, Total	0.85	ug Abs	0.50	1	6010B	0117 14:30	0120 13:30	RW
Chromium, Total	33.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:30	RW
Copper, Total	100	ug Abs	0.50	1	6010B	0117 14:30	0120 13:30	RW
Iron, Total	670	ug Abs	2.5	1	6010B	0117 14:30	0120 13:30	RW
Lead, Total	7.7	ug Abs	2.5	1	6010B	0117 14:30	0120 13:30	RW
Mercury, Total	0.070	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	48.	ug Abs	1.2	1	6010B	0117 14:30	0120 13:30	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 13:30	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:30	RW
Zinc, Total	150	ug Abs	2.5	1	6010B	0117 14:30	0120 13:30	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-16
PE267-ALS PIPE 2
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 11:50
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	0.72	ug Abs	0.25	1	9010B	0120 15:20	0121 09:57	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:34	RW
Barium, Total	71.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:34	RW
Cadmium, Total	0.55	ug Abs	0.50	1	6010B	0117 14:30	0120 13:34	RW
Chromium, Total	81.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:34	RW
Copper, Total	570	ug Abs	0.50	1	6010B	0117 14:30	0120 13:34	RW
Iron, Total	1300	ug Abs	2.5	1	6010B	0117 14:30	0120 13:34	RW
Lead, Total	18.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:34	RW
Mercury, Total	0.980	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	55.	ug Abs	1.2	1	6010B	0117 14:30	0120 13:34	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 13:34	RW
Silver, Total	0.69	ug Abs	0.50	1	6010B	0117 14:30	0120 13:34	RW
Zinc, Total	230	ug Abs	2.5	1	6010B	0117 14:30	0120 13:34	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-17
PE268-ALS PIPE 3
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 11:51
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	0.53	ug Abs	0.25	1	9010B	0120 15:20	0121 10:24	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:38	RW
Barium, Total	46.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:38	RW
Cadmium, Total	0.82	ug Abs	0.50	1	6010B	0117 14:30	0120 13:38	RW
Chromium, Total	140	ug Abs	0.50	1	6010B	0117 14:30	0120 13:38	RW
Copper, Total	410	ug Abs	0.50	1	6010B	0117 14:30	0120 13:38	RW
Iron, Total	1000	ug Abs	2.5	1	6010B	0117 14:30	0120 13:38	RW
Lead, Total	45.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:38	RW
Mercury, Total	0.630	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	150	ug Abs	1.2	1	6010B	0117 14:30	0120 13:38	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 13:38	RW
Silver, Total	2.1	ug Abs	0.50	1	6010B	0117 14:30	0120 13:38	RW
Zinc, Total	610	ug Abs	2.5	1	6010B	0117 14:30	0120 13:38	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-18
PE269-ALS PIPE 4
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 11:54
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	2.6	ug Abs	0.25	1	9010B	0120 15:20	0121 09:59	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:42	RW
Barium, Total	130	ug Abs	0.50	1	6010B	0117 14:30	0120 13:42	RW
Cadmium, Total	0.57	ug Abs	0.50	1	6010B	0117 14:30	0120 13:42	RW
Chromium, Total	80.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:42	RW
Copper, Total	400	ug Abs	0.50	1	6010B	0117 14:30	0120 13:42	RW
Iron, Total	1200	ug Abs	2.5	1	6010B	0117 14:30	0120 13:42	RW
Lead, Total	22.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:42	RW
Mercury, Total	0.650	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	49.	ug Abs	1.2	1	6010B	0117 14:30	0120 13:42	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 13:42	RW
Silver, Total	0.85	ug Abs	0.50	1	6010B	0117 14:30	0120 13:42	RW
Zinc, Total	210	ug Abs	2.5	1	6010B	0117 14:30	0120 13:42	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300502-19
PE270-ALS PIPE 5
Sample Matrix: WIPE

Date Collected: 15-JAN-2003 12:00
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	2.5	ug Abs	0.25	1	9010B	0120 15:20	0121 10:02	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 13:45	RW
Barium, Total	47.	ug Abs	0.50	1	6010B	0117 14:30	0120 13:45	RW
Cadmium, Total	1.0	ug Abs	0.50	1	6010B	0117 14:30	0120 13:45	RW
Chromium, Total	180	ug Abs	0.50	1	6010B	0117 14:30	0120 13:45	RW
Copper, Total	780	ug Abs	0.50	1	6010B	0117 14:30	0120 13:45	RW
Iron, Total	1300	ug Abs	2.5	1	6010B	0117 14:30	0120 13:45	RW
Lead, Total	46.	ug Abs	2.5	1	6010B	0117 14:30	0120 13:45	RW
Mercury, Total	0.940	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Nickel, Total	150	ug Abs	1.2	1	6010B	0117 14:30	0120 13:45	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 13:45	RW
Silver, Total	1.2	ug Abs	0.50	1	6010B	0117 14:30	0120 13:45	RW
Zinc, Total	250	ug Abs	2.5	1	6010B	0117 14:30	0120 13:45	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0300502

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 01-06,08 (L0300502-01, WG131750)					
Solids, Total	88.	88.	%	0	
Cyanide, Total for sample(s) 07 (L0300484-08, WG131997)					
Cyanide, Total	ND	ND	mg/l	NC	
Cyanide, Total for sample(s) 02-06,08 (L0300502-06, WG131895)					
Cyanide, Total	0.43	0.28	mg/kg	42	40
Chloride for sample(s) 02-06,08 (L0300502-03, WG131772)					
Chloride	260000	270000	mg/kg	4	
Chloride for sample(s) 07 (L0300502-07, WG131965)					
Chloride	110	110	mg/l	0	
pH for sample(s) 07 (L0300491-01, WG131705)					
pH	7.7	7.5	SU	3	
pH for sample(s) 02-06,08 (L0300502-02, WG131709)					
pH	8.1	8.2	SU	1	
Nitrogen, Ammonia for sample(s) 07 (L0300592-01, WG131988)					
Nitrogen, Ammonia	1.39	1.36	mg/l	2	
Nitrogen, Ammonia for sample(s) 02-06,08 (L0300502-06, WG131811)					
Nitrogen, Ammonia	12.	9.4	mg/kg	24	
Sulfide for sample(s) 02-06,08 (L0300502-05, WG131921)					
Sulfide	ND	ND	mg/kg	NC	
Cyanide, Reactive for sample(s) 02 (L0300502-02, WG131926)					
Cyanide, Reactive	ND	ND	mg/kg	NC	
Sulfide, Reactive for sample(s) 02 (L0300502-02, WG131924)					
Sulfide, Reactive	ND	ND	mg/kg	NC	
Total Metals for sample(s) 01-06,08 (L0300398-01, WG131928)					
Arsenic, Total	0.74	0.72	mg/kg	3	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Chromium, Total	9.1	9.2	mg/kg	1	35
Copper, Total	170	170	mg/kg	0	35
Lead, Total	ND	ND	mg/kg	NC	35
Nickel, Total	44.	43.	mg/kg	2	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Zinc, Total	38.	38.	mg/kg	0	35

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0300502

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Total Metals for sample(s) 07 (L0300584-01, WG132015)					
Arsenic, Total	0.018	0.019	mg/l	5	
Cadmium, Total	0.016	0.017	mg/l	2	
Copper, Total	0.05	0.05	mg/l	4	
Nickel, Total	ND	ND	mg/l	NC	
Silver, Total	ND	ND	mg/l	NC	
Total Metals for sample(s) 01-06,08 (L0300502-02, WG131998)					
Mercury, Total	2.2	1.9	mg/kg	15	45
Total Metals for sample(s) 07 (L0300402-01, WG131976)					
Mercury, Total	0.0085	0.0079	mg/l	7	
TCLP Metals for sample(s) 02 (L0300502-02, WG132042)					
Arsenic, TCLP	ND	ND	mg/l	NC	
Barium, TCLP	ND	ND	mg/l	NC	
Cadmium, TCLP	ND	ND	mg/l	NC	
Chromium, TCLP	ND	ND	mg/l	NC	
Lead, TCLP	ND	ND	mg/l	NC	
Selenium, TCLP	ND	ND	mg/l	NC	
Silver, TCLP	ND	ND	mg/l	NC	
TCLP Metals for sample(s) 02 (L0300553-01, WG132039)					
Mercury, TCLP	ND	ND	mg/l	NC	
SVOC's by GC/MS 625 for sample(s) 07 (L0300566-01, WG131867)					
Acenaphthene	ND	ND	ug/l	NC	
Benzidine	ND	ND	ug/l	NC	
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC	
Hexachlorobenzene	ND	ND	ug/l	NC	
Bis(2-chloroethyl)ether	ND	ND	ug/l	NC	
2-Chloronaphthalene	ND	ND	ug/l	NC	
1,2-Dichlorobenzene	ND	ND	ug/l	NC	
1,3-Dichlorobenzene	ND	ND	ug/l	NC	
1,4-Dichlorobenzene	ND	ND	ug/l	NC	
3,3'-Dichlorobenzidine	ND	ND	ug/l	NC	
2,4-Dinitrotoluene	ND	ND	ug/l	NC	
2,6-Dinitrotoluene	ND	ND	ug/l	NC	
Azobenzene	ND	ND	ug/l	NC	
Fluoranthene	ND	ND	ug/l	NC	
4-Chlorophenyl phenyl ether	ND	ND	ug/l	NC	
4-Bromophenyl phenyl ether	ND	ND	ug/l	NC	
Bis(2-chloroisopropyl)ether	ND	ND	ug/l	NC	
Bis(2-chloroethoxy)methane	ND	ND	ug/l	NC	
Hexachlorobutadiene	ND	ND	ug/l	NC	
Hexachlorocyclopentadiene	ND	ND	ug/l	NC	
Hexachloroethane	ND	ND	ug/l	NC	
Isophorone	ND	ND	ug/l	NC	
Naphthalene	ND	ND	ug/l	NC	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0300502

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
SVOC's by GC/MS 625 for sample(s) 07 (L0300566-01, WG131867)					
Nitrobenzene	ND	ND	ug/l	NC	
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ND	ug/l	NC	
n-Nitrosodi-n-propylamine	ND	ND	ug/l	NC	
Bis(2-Ethylhexyl)phthalate	ND	ND	ug/l	NC	
Butyl benzyl phthalate	ND	ND	ug/l	NC	
Di-n-butylphthalate	ND	ND	ug/l	NC	
Di-n-octylphthalate	ND	ND	ug/l	NC	
Diethyl phthalate	ND	ND	ug/l	NC	
Dimethyl phthalate	ND	ND	ug/l	NC	
Benzo(a)anthracene	ND	ND	ug/l	NC	
Benzo(a)pyrene	ND	ND	ug/l	NC	
Benzo(b)fluoranthene	ND	ND	ug/l	NC	
Benzo(k)fluoranthene	ND	ND	ug/l	NC	
Chrysene	ND	ND	ug/l	NC	
Acenaphthylene	ND	ND	ug/l	NC	
Anthracene	ND	ND	ug/l	NC	
Benzo(ghi)perylene	ND	ND	ug/l	NC	
Fluorene	ND	ND	ug/l	NC	
Phenanthrene	ND	ND	ug/l	NC	
Dibenzo(a,h)anthracene	ND	ND	ug/l	NC	
Indeno(1,2,3-cd)Pyrene	ND	ND	ug/l	NC	
Pyrene	ND	ND	ug/l	NC	
Benzo(e)Pyrene	ND	ND	ug/l	NC	
Biphenyl	ND	ND	ug/l	NC	
Perylene	ND	ND	ug/l	NC	
Aniline	ND	ND	ug/l	NC	
4-Chloroaniline	ND	ND	ug/l	NC	
1-Methylnaphthalene	ND	ND	ug/l	NC	
2-Nitroaniline	ND	ND	ug/l	NC	
3-Nitroaniline	ND	ND	ug/l	NC	
4-Nitroaniline	ND	ND	ug/l	NC	
Dibenzofuran	ND	ND	ug/l	NC	
2-Methylnaphthalene	ND	ND	ug/l	NC	
n-Nitrosodimethylamine	ND	ND	ug/l	NC	
2,4,6-Trichlorophenol	ND	ND	ug/l	NC	
P-Chloro-M-Cresol	ND	ND	ug/l	NC	
2-CHLOROPHENOL	ND	ND	ug/l	NC	
2,4-Dichlorophenol	ND	ND	ug/l	NC	
2,4-Dimethylphenol	ND	ND	ug/l	NC	
2-Nitrophenol	ND	ND	ug/l	NC	
4-Nitrophenol	ND	ND	ug/l	NC	
2,4-Dinitrophenol	ND	ND	ug/l	NC	
4,6-Dinitro-o-cresol	ND	ND	ug/l	NC	
Pentachlorophenol	ND	ND	ug/l	NC	
Phenol	ND	ND	ug/l	NC	
2-Methylphenol	ND	ND	ug/l	NC	
3-Methylphenol/4-Methylphenol	ND	ND	ug/l	NC	
2,4,5-Trichlorophenol	ND	ND	ug/l	NC	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0300502

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
SVOC's by GC/MS 625 for sample(s) 07 (L0300566-01, WG131867)					
2,6-Dichlorophenol	ND	ND	ug/l	NC	
Benzoic Acid	ND	ND	ug/l	NC	
Benzyl Alcohol	ND	ND	ug/l	NC	
Carbazole	ND	ND	ug/l	NC	
Surrogate(s)	Recovery				QC Criteria
2-Fluorophenol	41.0	46.0	%	11	
Phenol-d6	28.0	39.0	%	33	
Nitrobenzene-d5	63.0	55.0	%	14	
2-Fluorobiphenyl	68.0	61.0	%	11	
2,4,6-Tribromophenol	87.0	81.0	%	7	
4-Terphenyl-d14	92.0	92.0	%	0	
Polychlorinated Biphenyls for sample(s) 02-06,08 (L0300502-06, WG131766)					
Aroclor 1221	ND	ND	ug/kg	NC	50
Aroclor 1232	ND	ND	ug/kg	NC	50
Aroclor 1242/1016	ND	ND	ug/kg	NC	50
Aroclor 1248	ND	ND	ug/kg	NC	50
Aroclor 1254	ND	ND	ug/kg	NC	50
Aroclor 1260	ND	ND	ug/kg	NC	50
Surrogate(s)	Recovery				QC Criteria
2,4,5,6-Tetrachloro-m-xylene	101.	95.0	%	6	30-150
Decachlorobiphenyl	82.0	79.0	%	4	30-150
Extractable Total Petroleum Hydrocarbons for sample(s) 02-06,08 (L0300502-06, WG131767)					
ETPH-CT	560000	510000	ug/kg	9	
Surrogate(s)	Recovery				QC Criteria
o-Terphenyl	90.0	93.0	%	3	
Extractable Total Petroleum Hydrocarbons for sample(s) 07 (L0300532-02, WG131906)					
ETPH-CT	3900	3200	ug/l	20	
Surrogate(s)	Recovery				QC Criteria
o-Terphenyl	78.0	76.0	%	3	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0300502

Parameter	% Recovery	QC Criteria
Cyanide, Total LCS for sample(s) 07 (WG131997)		
Cyanide, Total	106	
Cyanide, Total LCS for sample(s) 02-06,08 (WG131895)		
Cyanide, Total	108	65-135
Cyanide, Total LCS for sample(s) 09-19 (WG131896)		
Cyanide, Total	108	65-135
Chloride LCS for sample(s) 02-06,08 (WG131772)		
Chloride	97	
Chloride LCS for sample(s) 07 (WG131965)		
Chloride	100	
pH LCS for sample(s) 07 (WG131705)		
pH	100	
pH LCS for sample(s) 02-06,08 (WG131709)		
pH	99	
Nitrogen, Ammonia LCS for sample(s) 07 (WG131988)		
Nitrogen, Ammonia	110	
Nitrogen, Ammonia LCS for sample(s) 02-06,08 (WG131811)		
Nitrogen, Ammonia	96	
Sulfide LCS for sample(s) 07 (WG131981)		
Sulfide	88	
Sulfide LCS for sample(s) 02-06,08 (WG131921)		
Sulfide	91	
Sulfide, Reactive LCS for sample(s) 02 (WG131924)		
Sulfide, Reactive	96	
Total Metals LCS for sample(s) 01-06,08 (WG131928)		
Antimony, Total	96	70-140
Arsenic, Total	107	70-140
Beryllium, Total	101	70-140
Cadmium, Total	104	70-140
Chromium, Total	98	70-140
Copper, Total	98	70-140
Lead, Total	109	70-140
Nickel, Total	96	70-140
Selenium, Total	109	70-140
Silver, Total	92	70-140
Thallium, Total	105	70-140
Zinc, Total	101	70-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0300502

Continued

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 07 (WG132015)		
Antimony, Total	104	
Arsenic, Total	107	
Beryllium, Total	106	
Cadmium, Total	109	
Chromium, Total	100	
Copper, Total	100	
Lead, Total	107	
Nickel, Total	100	
Selenium, Total	112	
Silver, Total	97	
Thallium, Total	105	
Zinc, Total	104	
Total Metals LCS for sample(s) 09-19 (WG131847)		
Arsenic, Total	83	70-140
Barium, Total	86	70-140
Cadmium, Total	90	70-140
Chromium, Total	88	70-140
Copper, Total	88	70-140
Iron, Total	86	70-140
Lead, Total	90	70-140
Nickel, Total	84	70-140
Selenium, Total	83	70-140
Silver, Total	80	70-140
Zinc, Total	92	70-140
Total Metals LCS for sample(s) 09-19 (WG131905)		
Mercury, Total	96	
Total Metals LCS for sample(s) 01-06,08 (WG131998)		
Mercury, Total	93	60-140
Total Metals LCS for sample(s) 07 (WG131976)		
Mercury, Total	98	
TCLP Metals LCS for sample(s) 02 (WG132042)		
Arsenic, TCLP	98	
Barium, TCLP	92	
Cadmium, TCLP	99	
Chromium, TCLP	96	
Lead, TCLP	99	
Selenium, TCLP	95	
Silver, TCLP	97	
TCLP Metals LCS for sample(s) 02 (WG132039)		
Mercury, TCLP	107	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0300502

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 8270 LCS for sample(s) 02-06,08 (WG131768)		
Acenaphthene	74	31-137
1,2,4-Trichlorobenzene	64	38-107
2-Chloronaphthalene	75	
1,2-Dichlorobenzene	60	
1,4-Dichlorobenzene	60	28-104
2,4-Dinitrotoluene	90	28-89
2,6-Dinitrotoluene	94	
Fluoranthene	88	
4-Chlorophenyl phenyl ether	81	
n-Nitrosodi-n-propylamine	63	41-126
Butyl benzyl phthalate	86	
Anthracene	71	
Pyrene	90	35-142
Hexachloropropene	56	
P-Chloro-M-Cresol	78	26-103
2-CHLOROPHENOL	58	25-102
2-Nitrophenol	64	
4-Nitrophenol	88	11-114
2,4-Dinitrophenol	72	
Pentachlorophenol	89	17-109
Phenol	56	26-90
Surrogate(s)		
2-Fluorophenol	56	25-120
Phenol-d6	61	10-120
Nitrobenzene-d5	59	23-120
2-Fluorobiphenyl	68	30-120
2,4,6-Tribromophenol	39	19-120
4-Terphenyl-d14	71	18-120
SVOC's by GC/MS 625 LCS for sample(s) 07 (WG131867)		
Acenaphthene	76	
1,2,4-Trichlorobenzene	60	
2-Chloronaphthalene	78	
1,2-Dichlorobenzene	57	
1,4-Dichlorobenzene	56	
2,4-Dinitrotoluene	100	
2,6-Dinitrotoluene	110	
Fluoranthene	100	
4-Chlorophenyl phenyl ether	85	
n-Nitrosodi-n-propylamine	76	
Butyl benzyl phthalate	110	
Anthracene	80	
Pyrene	100	
Hexachloropropene	50	
P-Chloro-M-Cresol	84	
2-CHLOROPHENOL	62	
2-Nitrophenol	75	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0300502

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 625 LCS for sample(s) 07 (WG131867)		
4-Nitrophenol	60	
2,4-Dinitrophenol	91	
Pentachlorophenol	100	
Phenol	32	
Surrogate(s)		
2-Fluorophenol	42	
Phenol-d6	33	
Nitrobenzene-d5	67	
2-Fluorobiphenyl	67	
2,4,6-Tribromophenol	44	
4-Terphenyl-d14	85	
Polychlorinated Biphenyls LCS for sample(s) 02-06,08 (WG131766)		
Aroclor 1242/1016	108	40-140
Aroclor 1260	106	40-140
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	100	30-150
Decachlorobiphenyl	85	30-150
Polychlorinated Biphenyls LCS for sample(s) 07 (WG131952)		
Aroclor 1242/1016	95	
Aroclor 1260	102	
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	93	
Decachlorobiphenyl	98	
Polychlorinated Biphenyls LCS for sample(s) 07 (WG131952)		
Aroclor 1242/1016	101	
Aroclor 1260	105	
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	96	
Decachlorobiphenyl	100	
Extractable Total Petroleum Hydrocarbons LCS for sample(s) 02-06,08 (WG131767)		
ETPH-CT	83	
Surrogate(s)		
o-Terphenyl	110	
Extractable Total Petroleum Hydrocarbons LCS for sample(s) 07 (WG131906)		
ETPH-CT	98	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0300502

Continued

Parameter	% Recovery	QC Criteria
Extractable Total Petroleum Hydrocarbons LCS for sample(s) 07 (WG131906)		
Surrogate(s)		
o-Terphenyl	105	
Cyanide, Total SPIKE for sample(s) 07 (L0300484-08, WG131997)		
Cyanide, Total	82	
Cyanide, Total SPIKE for sample(s) 02-06,08 (L0300502-06, WG131895)		
Cyanide, Total	93	65-135
Chloride SPIKE for sample(s) 02-06,08 (L0300502-06, WG131772)		
Chloride	98	
Nitrogen, Ammonia SPIKE for sample(s) 07 (L0300592-02, WG131988)		
Nitrogen, Ammonia	104	
Nitrogen, Ammonia SPIKE for sample(s) 02-06,08 (L0300502-03, WG131811)		
Nitrogen, Ammonia	0	
Total Metals SPIKE for sample(s) 01-06,08 (L0300398-01, WG131928)		
Antimony, Total	70	70-140
Arsenic, Total	68	70-140
Beryllium, Total	81	70-140
Cadmium, Total	84	70-140
Chromium, Total	74	70-140
Copper, Total	0	70-140
Lead, Total	89	70-140
Nickel, Total	55	70-140
Selenium, Total	56	70-140
Silver, Total	79	70-140
Thallium, Total	71	70-140
Zinc, Total	65	70-140
Total Metals SPIKE for sample(s) 07 (L0300584-01, WG132015)		
Antimony, Total	104	
Arsenic, Total	108	
Beryllium, Total	105	
Cadmium, Total	108	
Chromium, Total	100	
Copper, Total	98	
Lead, Total	107	
Nickel, Total	102	
Selenium, Total	112	
Silver, Total	96	
Thallium, Total	103	
Zinc, Total	102	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0300502

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01-06,08 (L0300502-02, WG131998)		
Mercury, Total	170	60-140
Total Metals SPIKE for sample(s) 07 (L0300420-01, WG131976)		
Mercury, Total	123	
TCLP Metals SPIKE for sample(s) 02 (L0300502-02, WG132042)		
Arsenic, TCLP	100	
Barium, TCLP	99	
Cadmium, TCLP	100	
Chromium, TCLP	100	
Lead, TCLP	100	
Selenium, TCLP	100	
Silver, TCLP	78	
TCLP Metals SPIKE for sample(s) 02 (L0300553-01, WG132039)		
Mercury, TCLP	131	
SVOC's by GC/MS 625 SPIKE for sample(s) 07 (L0300566-01, WG131867)		
Acenaphthene	82	
1,2,4-Trichlorobenzene	68	
2-Chloronaphthalene	78	
1,2-Dichlorobenzene	63	
1,4-Dichlorobenzene	58	
2,4-Dinitrotoluene	97	
2,6-Dinitrotoluene	97	
Fluoranthene	110	
4-Chlorophenyl phenyl ether	87	
n-Nitrosodi-n-propylamine	73	
Butyl benzyl phthalate	100	
Anthracene	82	
Pyrene	110	
Hexachloropropene	58	
P-Chloro-M-Cresol	92	
2-CHLOROPHENOL	65	
2-Nitrophenol	78	
4-Nitrophenol	32	
2,4-Dinitrophenol	99	
Pentachlorophenol	120	
Phenol	46	
Surrogate(s)		
2-Fluorophenol	52	
Phenol-d6	45	
Nitrobenzene-d5	65	
2-Fluorobiphenyl	73	
2,4,6-Tribromophenol	91	
4-Terphenyl-d14	91	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0300502

Continued

Parameter	% Recovery	QC Criteria
Extractable Total Petroleum Hydrocarbons SPIKE for sample(s) 02-06,08 (L0300502-06, WG131767)		
ETPH-CT	71	
Surrogate(s)		
o-Terphenyl	119	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0300502

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 02-06,08 (L0300502-06, WG131768)					
Acenaphthene	92	92	0	50	31-137
1,2,4-Trichlorobenzene	77	78	1	50	38-107
2-Chloronaphthalene	95	95	0	50	
1,2-Dichlorobenzene	68	72	6	50	
1,4-Dichlorobenzene	68	72	6	50	28-104
2,4-Dinitrotoluene	97	95	2	50	28-89
2,6-Dinitrotoluene	99	97	2	50	
Fluoranthene	99	99	0	50	
4-Chlorophenyl phenyl ether	97	96	1	50	
n-Nitrosodi-n-propylamine	72	76	5	50	41-126
Butyl benzyl phthalate	110	99	11	50	
Anthracene	79	78	1	50	
Pyrene	110	99	11	50	35-142
Hexachloropropene	59	64	8	50	
P-Chloro-M-Cresol	99	99	0	50	26-103
2-CHLOROPHENOL	74	74	0	50	25-102
2-Nitrophenol	74	79	7	50	
4-Nitrophenol	94	94	0	50	11-114
2,4-Dinitrophenol	21	20	5	50	
Pentachlorophenol	18	18	0	50	17-109
Phenol	74	79	7	50	26-90
Surrogate(s)					
2-Fluorophenol	68	73	7		25-120
Phenol-d6	78	81	4		10-120
Nitrobenzene-d5	68	71	4		23-120
2-Fluorobiphenyl	85	87	2		30-120
2,4,6-Tribromophenol	38	39	3		19-120
4-Terphenyl-d14	83	81	2		18-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300502

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 07 (WG131997-1)								
Cyanide, Total	ND	mg/l	0.005	4	335.2	0121 15:08	0123 10:41	ED
Blank Analysis for sample(s) 02-06,08 (WG131895-1)								
Cyanide, Total	ND	mg/kg	0.24	1	9010B	0120 15:20	0121 09:36	ED
Blank Analysis for sample(s) 09-19 (WG131896-1)								
Cyanide, Total	ND	ug Abs	0.24	1	9010B	0120 15:20	0121 09:36	ED
Blank Analysis for sample(s) 02-06,08 (WG131772-2)								
Chloride	ND	mg/kg	50.	1	9251	0117 15:00	0117 18:24	DD
Blank Analysis for sample(s) 07 (WG131965-2)								
Chloride	ND	mg/l	1.0	4	325.2		0121 15:38	DD
Blank Analysis for sample(s) 07 (WG131988-1)								
Nitrogen, Ammonia	ND	mg/l	0.075	44	350.1	0121 14:40	0122 11:29	ED
Blank Analysis for sample(s) 02-06,08 (WG131811-1)								
Nitrogen, Ammonia	ND	mg/kg	7.5	30	4500NH3-BH	0117 11:30	0121 13:02	ED
Blank Analysis for sample(s) 07 (WG131981-1)								
Sulfide	ND	mg/l	0.10	4	376.2		0121 14:29	AT
Blank Analysis for sample(s) 02-06,08 (WG131921-1)								
Sulfide	ND	mg/kg	0.50	1	9030B		0120 15:38	AT
Blank Analysis for sample(s) 02 (WG131926-1)								
Cyanide, Reactive	ND	mg/kg	0.25	1	7.3		0120 21:00	JT
Blank Analysis for sample(s) 02 (WG131924-1)								
Sulfide, Reactive	ND	mg/kg	0.50	1	7.3		0120 21:00	JT

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300502

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-06,08 (WG131928-3)								
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	0.40	1	6010B	0120 13:45	0121 10:00	MG
Arsenic, Total	ND	mg/kg	0.40	1	6010B	0120 13:45	0121 10:00	MG
Beryllium, Total	ND	mg/kg	0.20	1	6010B	0120 13:45	0121 10:00	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	0120 13:45	0121 10:00	MG
Chromium, Total	ND	mg/kg	0.40	1	6010B	0120 13:45	0121 10:00	MG
Copper, Total	ND	mg/kg	0.40	1	6010B	0120 13:45	0121 10:00	MG
Lead, Total	ND	mg/kg	2.0	1	6010B	0120 13:45	0121 10:00	MG
Nickel, Total	ND	mg/kg	1.0	1	6010B	0120 13:45	0121 10:00	MG
Selenium, Total	ND	mg/kg	0.80	1	6010B	0120 13:45	0121 10:00	MG
Silver, Total	ND	mg/kg	0.40	1	6010B	0120 13:45	0121 10:00	MG
Thallium, Total	ND	mg/kg	0.40	1	6010B	0120 13:45	0121 10:00	MG
Zinc, Total	ND	mg/kg	2.0	1	6010B	0120 13:45	0121 10:00	MG
Blank Analysis for sample(s) 07 (WG132015-3)								
Total Metals				19	200.7			
Antimony, Total	ND	mg/l	0.050	19	200.7	0121 12:00	0122 10:04	MG
Arsenic, Total	ND	mg/l	0.005	19	200.7	0121 12:00	0122 10:04	MG
Beryllium, Total	ND	mg/l	0.005	19	200.7	0121 12:00	0122 10:04	MG
Cadmium, Total	ND	mg/l	0.005	19	200.7	0121 12:00	0122 10:04	MG
Chromium, Total	ND	mg/l	0.01	19	200.7	0121 12:00	0122 10:04	MG
Copper, Total	ND	mg/l	0.01	19	200.7	0121 12:00	0122 10:04	MG
Lead, Total	ND	mg/l	0.050	19	200.7	0121 12:00	0122 10:04	MG
Nickel, Total	ND	mg/l	0.025	19	200.7	0121 12:00	0122 10:04	MG
Selenium, Total	ND	mg/l	0.005	19	200.7	0121 12:00	0122 10:04	MG
Silver, Total	ND	mg/l	0.010	19	200.7	0121 12:00	0122 10:04	MG
Thallium, Total	ND	mg/l	0.005	19	200.7	0121 12:00	0122 10:04	MG
Zinc, Total	ND	mg/l	0.05	19	200.7	0121 12:00	0122 10:04	MG
Blank Analysis for sample(s) 09-19 (WG131847-1)								
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 12:45	RW
Barium, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 12:45	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 12:45	RW
Chromium, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 12:45	RW
Copper, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 12:45	RW
Iron, Total	ND	ug Abs	2.5	1	6010B	0117 14:30	0120 12:45	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0117 14:30	0120 12:45	RW
Nickel, Total	ND	ug Abs	1.2	1	6010B	0117 14:30	0120 12:45	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0117 14:30	0120 12:45	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0117 14:30	0120 12:45	RW
Zinc, Total	ND	ug Abs	2.5	1	6010B	0117 14:30	0120 12:45	RW

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300502

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 09-19 (WG131905-2)								
Total Metals								
Mercury, Total	ND	ug Abs	0.050	1	7471A	0120 17:05	0121 14:13	DM
Blank Analysis for sample(s) 01-06,08 (WG131998-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Blank Analysis for sample(s) 07 (WG131976-4)								
Total Metals								
Mercury, Total	ND	mg/l	0.0005	4	245.2	0121 16:45	0122 12:26	DM
Blank Analysis for sample(s) 02 (WG132042-3)								
TCLP Metals								
TCLP Extraction				1	1311	0121 16:30		
Arsenic, TCLP	ND	mg/l	1.0	1	6010B	0122 11:45	0122 12:55	RW
Barium, TCLP	ND	mg/l	0.50	1	6010B	0122 11:45	0122 12:55	RW
Cadmium, TCLP	ND	mg/l	0.10	1	6010B	0122 11:45	0122 12:55	RW
Chromium, TCLP	ND	mg/l	0.20	1	6010B	0122 11:45	0122 12:55	RW
Lead, TCLP	ND	mg/l	0.50	1	6010B	0122 11:45	0122 12:55	RW
Selenium, TCLP	ND	mg/l	0.50	1	6010B	0122 11:45	0122 12:55	RW
Silver, TCLP	ND	mg/l	0.10	1	6010B	0122 11:45	0122 12:55	RW
Blank Analysis for sample(s) 02 (WG132039-4)								
TCLP Metals								
TCLP Extraction				1	1311	0121 16:30		
Mercury, TCLP	ND	mg/l	0.005	1	7470A	0122 11:55	0122 15:15	DM
Blank Analysis for sample(s) 02-06,08 (WG131768-1)								
SVOC's by GC/MS 8270				1	8270C	0117 11:35	0120 10:43	HL
Acenaphthene	ND	ug/kg	500					
Benzidine	ND	ug/kg	5000					
1,2,4-Trichlorobenzene	ND	ug/kg	500					
Hexachlorobenzene	ND	ug/kg	500					
Bis(2-chloroethyl)ether	ND	ug/kg	500					
1-Chloronaphthalene	ND	ug/kg	500					
2-Chloronaphthalene	ND	ug/kg	600					
1,2-Dichlorobenzene	ND	ug/kg	500					
1,3-Dichlorobenzene	ND	ug/kg	500					
1,4-Dichlorobenzene	ND	ug/kg	500					
3,3'-Dichlorobenzidine	ND	ug/kg	5000					
2,4-Dinitrotoluene	ND	ug/kg	600					
2,6-Dinitrotoluene	ND	ug/kg	500					
Azobenzene	ND	ug/kg	500					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300502

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-06,08 (WG131768-1)								
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 10:43	HL
Fluoranthene	ND	ug/kg	500					
4-Chlorophenyl phenyl ether	ND	ug/kg	500					
4-Bromophenyl phenyl ether	ND	ug/kg	500					
Bis(2-chloroisopropyl)ether	ND	ug/kg	500					
Bis(2-chloroethoxy)methane	ND	ug/kg	500					
Hexachlorobutadiene	ND	ug/kg	1000					
Hexachlorocyclopentadiene	ND	ug/kg	1000					
Hexachloroethane	ND	ug/kg	500					
Isophorone	ND	ug/kg	500					
Naphthalene	ND	ug/kg	500					
Nitrobenzene	ND	ug/kg	500					
NDPA/DPA	ND	ug/kg	1500					
n-Nitrosodi-n-propylamine	ND	ug/kg	500					
Bis(2-ethylhexyl)phthalate	ND	ug/kg	1000					
Butyl benzyl phthalate	ND	ug/kg	500					
Di-n-butylphthalate	ND	ug/kg	500					
Di-n-octylphthalate	ND	ug/kg	500					
Diethyl phthalate	ND	ug/kg	500					
Dimethyl phthalate	ND	ug/kg	500					
Benzo(a)anthracene	ND	ug/kg	500					
Benzo(a)pyrene	ND	ug/kg	500					
Benzo(b)fluoranthene	ND	ug/kg	500					
Benzo(k)fluoranthene	ND	ug/kg	500					
Chrysene	ND	ug/kg	500					
Acenaphthylene	ND	ug/kg	500					
Anthracene	ND	ug/kg	500					
Benzo(ghi)perylene	ND	ug/kg	500					
Fluorene	ND	ug/kg	500					
Phenanthrene	ND	ug/kg	500					
Dibenzo(a,h)anthracene	ND	ug/kg	500					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	500					
Pyrene	ND	ug/kg	500					
Benzo(e)pyrene	ND	ug/kg	500					
Biphenyl	ND	ug/kg	500					
Perylene	ND	ug/kg	500					
Aniline	ND	ug/kg	1000					
4-Chloroaniline	ND	ug/kg	500					
1-Methylnaphthalene	ND	ug/kg	500					
2-Nitroaniline	ND	ug/kg	500					
3-Nitroaniline	ND	ug/kg	500					
4-Nitroaniline	ND	ug/kg	700					
Dibenzofuran	ND	ug/kg	500					
a,a-Dimethylphenethylamine	ND	ug/kg	5000					
Hexachloropropene	ND	ug/kg	5000					
Nitrosodi-n-butylamine	ND	ug/kg	1000					
2-Methylnaphthalene	ND	ug/kg	800					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	2000					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300502

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-06,08 (WG131768-1)								
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 10:43	HL
Pentachlorobenzene	ND	ug/kg	2000					
a-Naphthylamine	ND	ug/kg	2000					
b-Naphthylamine	ND	ug/kg	2000					
Phenacetin	ND	ug/kg	1000					
Dimethoate	ND	ug/kg	2000					
4-Aminobiphenyl	ND	ug/kg	1000					
Pentachloronitrobenzene	ND	ug/kg	1000					
Isodrin	ND	ug/kg	1000					
p-Dimethylaminoazobenzene	ND	ug/kg	1000					
Chlorobenzilate	ND	ug/kg	2000					
3-Methylcholanthrene	ND	ug/kg	2000					
Ethyl Methanesulfonate	ND	ug/kg	1500					
Acetophenone	ND	ug/kg	2000					
Nitrosodipiperidine	ND	ug/kg	2000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	1000					
n-Nitrosodimethylamine	ND	ug/kg	5000					
2,4,6-Trichlorophenol	ND	ug/kg	500					
p-Chloro-m-cresol	ND	ug/kg	500					
2-Chlorophenol	ND	ug/kg	600					
2,4-Dichlorophenol	ND	ug/kg	1000					
2,4-Dimethylphenol	ND	ug/kg	1000					
2-Nitrophenol	ND	ug/kg	2000					
4-Nitrophenol	ND	ug/kg	1000					
2,4-Dinitrophenol	ND	ug/kg	2000					
4,6-Dinitro-o-cresol	ND	ug/kg	2000					
Pentachlorophenol	ND	ug/kg	2000					
Phenol	ND	ug/kg	700					
2-Methylphenol	ND	ug/kg	600					
3-Methylphenol/4-Methylphenol	ND	ug/kg	600					
2,4,5-Trichlorophenol	ND	ug/kg	500					
2,6-Dichlorophenol	ND	ug/kg	1000					
Benzoic Acid	ND	ug/kg	5000					
Benzyl Alcohol	ND	ug/kg	1000					
Carbazole	ND	ug/kg	500					
Pyridine	ND	ug/kg	5000					
2-Picoline	ND	ug/kg	2000					
Pronamide	ND	ug/kg	2000					
Methyl methanesulfonate	ND	ug/kg	2000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	48.0	%	25-120					
Phenol-d6	52.0	%	10-120					
Nitrobenzene-d5	49.0	%	23-120					
2-Fluorobiphenyl	50.0	%	30-120					
2,4,6-Tribromophenol	32.0	%	19-120					
4-Terphenyl-d14	66.0	%	18-120					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300502

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 07 (WG131867-1)								
SVOC's by GC/MS 625				1	8270C	0120 11:00	0121 14:20	HL
Acenaphthene	ND	ug/l	5.0					
Benzidine	ND	ug/l	50.					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
Hexachlorobenzene	ND	ug/l	5.0					
Bis(2-chloroethyl)ether	ND	ug/l	5.0					
2-Chloronaphthalene	ND	ug/l	6.0					
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
3,3'-Dichlorobenzidine	ND	ug/l	50.					
2,4-Dinitrotoluene	ND	ug/l	6.0					
2,6-Dinitrotoluene	ND	ug/l	5.0					
Azobenzene	ND	ug/l	5.0					
Fluoranthene	ND	ug/l	5.0					
4-Chlorophenyl phenyl ether	ND	ug/l	5.0					
4-Bromophenyl phenyl ether	ND	ug/l	5.0					
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0					
Bis(2-chloroethoxy)methane	ND	ug/l	5.0					
Hexachlorobutadiene	ND	ug/l	10.					
Hexachlorocyclopentadiene	ND	ug/l	10.					
Hexachloroethane	ND	ug/l	5.0					
Isophorone	ND	ug/l	5.0					
Naphthalene	ND	ug/l	5.0					
Nitrobenzene	ND	ug/l	5.0					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	5.0					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	10.					
Butyl benzyl phthalate	ND	ug/l	5.0					
Di-n-butylphthalate	ND	ug/l	5.0					
Di-n-octylphthalate	ND	ug/l	5.0					
Diethyl phthalate	ND	ug/l	5.0					
Dimethyl phthalate	ND	ug/l	5.0					
Benzo(a)anthracene	ND	ug/l	5.0					
Benzo(a)pyrene	ND	ug/l	5.0					
Benzo(b)fluoranthene	ND	ug/l	5.0					
Benzo(k)fluoranthene	ND	ug/l	5.0					
Chrysene	ND	ug/l	5.0					
Acenaphthylene	ND	ug/l	5.0					
Anthracene	ND	ug/l	5.0					
Benzo(ghi)perylene	ND	ug/l	5.0					
Fluorene	ND	ug/l	5.0					
Phenanthrene	ND	ug/l	5.0					
Dibenzo(a,h)anthracene	ND	ug/l	5.0					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	7.0					
Pyrene	ND	ug/l	5.0					
Benzo(e)Pyrene	ND	ug/l	5.0					
Biphenyl	ND	ug/l	5.0					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300502

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 07 (WG131867-1)								
SVOC's by GC/MS 625 continued				1	8270C	0120 11:00	0121 14:20	HL
Perylene	ND	ug/l	5.0					
Aniline	ND	ug/l	10.					
4-Chloroaniline	ND	ug/l	5.0					
1-Methylnaphthalene	ND	ug/l	5.0					
2-Nitroaniline	ND	ug/l	5.0					
3-Nitroaniline	ND	ug/l	5.0					
4-Nitroaniline	ND	ug/l	7.0					
Dibenzofuran	ND	ug/l	5.0					
2-Methylnaphthalene	ND	ug/l	8.0					
n-Nitrosodimethylamine	ND	ug/l	50.					
2,4,6-Trichlorophenol	ND	ug/l	5.0					
P-Chloro-M-Cresol	ND	ug/l	5.0					
2-CHLOROPHENOL	ND	ug/l	6.0					
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					
2,4-Dinitrophenol	ND	ug/l	20.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	20.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
2,6-Dichlorophenol	ND	ug/l	10.					
Benzoic Acid	ND	ug/l	50.					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	38.0	%						
Phenol-d6	28.0	%						
Nitrobenzene-d5	57.0	%						
2-Fluorobiphenyl	55.0	%						
2,4,6-Tribromophenol	36.0	%						
4-Terphenyl-d14	85.0	%						
Blank Analysis for sample(s) 02-06,08 (WG131766-1)								
Polychlorinated Biphenyls				1	8082	0117 11:25	0120 12:12	AK
Aroclor 1221	ND	ug/kg	250.					
Aroclor 1232	ND	ug/kg	250.					
Aroclor 1242/1016	ND	ug/kg	250.					
Aroclor 1248	ND	ug/kg	250.					
Aroclor 1254	ND	ug/kg	250.					
Aroclor 1260	ND	ug/kg	250.					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300502

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-06,08 (WG131766-1)								
Polychlorinated Biphenyls continued				1	8082	0117 11:25	0120 12:12	AK
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	100.	%	30-150					
Decachlorobiphenyl	81.0	%	30-150					
Blank Analysis for sample(s) 07 (WG131952-1)								
Polychlorinated Biphenyls				1	8082/8081	0120 16:40	0121 18:30	AK
Aroclor 1221	ND	ug/l	2.50					
Aroclor 1232	ND	ug/l	2.50					
Aroclor 1242/1016	ND	ug/l	2.50					
Aroclor 1248	ND	ug/l	2.50					
Aroclor 1254	ND	ug/l	2.50					
Aroclor 1260	ND	ug/l	2.50					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	112.	%						
Decachlorobiphenyl	112.	%						
Blank Analysis for sample(s) 02-06,08 (WG131767-1)								
Extractable Total Petroleum Hydrocarbons				11	3-99	0117 11:55	0123 00:31	BW
ETPH-CT	ND	ug/kg	10000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	73.0	%						
Blank Analysis for sample(s) 07 (WG131906-1)								
Extractable Total Petroleum Hydrocarbons				11	3-99	0120 16:00	0122 19:05	BW
ETPH-CT	ND	ug/l	50.					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	94.0	%						

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

4. Methods for Chemical Analysis of Water and Wastes. EPA 600/4-82-055. 1982.

5. Test Procedures for Analysis of Organic Pollutants. Appendix A, Part 136, Code of Federal Regulations. July 1, 1985 edition.

11. Analysis of Extractable Petroleum Hydrocarbons (ETPH) Using Methylene Chloride Gas Chromatograph/Flame Ionization Detection. Environmental Research Institute, University of Connecticut. March 1999.

19. Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, Code of Federal Regulations. July 1, 1999 edition.

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

44. Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 1/16/03

ALPHA Job #: L0300502

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr. #3B
Rocky Hill CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_Alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch CT
Project Location: Thomaston CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 1/23/03 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	13 Priority Pollutants	Total CN	Chloride	NH3 as N	pH-Corrosivity	PCBs	SVOCs	H2S	CLETPH	Flash Point	Reactivity	TCLP Metals	Sample Specific Comments	TOTAL # BOTTLES
00502.1	PE252-NK1 (Tank Base)	1/14/03	1445	CC	GP	X													1
.2	PE253-ALS TKS (Drums 1-3)		1250	TS		X	X	X	X	X	X	X	X	X	X	X	X		3
.3	PE254-ALS TKS (Drums 4-6)		1200	TS		X	X	X	X	X	X	X	X	X					3
CAN	~~PE255-ALS TKS (Drums 7-9)~~			TS		X	X	X	X	X	X	X	X	X				CAN	3
.4	PE256-ALS PIPES1 (Bag1)		1430	PS		X	X	X	X	X	X	X	X	X					3
.5	PE257-ALS PIPES2 (Bag2)		1434	PS		X	X	X	X	X	X	X	X	X					3
.6	PE258-TOTE TK15		1415	TS		X	X	X	X	X	X	X	X	X					3
.7	PE259-ALS PIPES (CH TOTE)		1530	WW		X	X	X	X	X	X	X	X	X					3
.8	PE255-ALS TKS (Drum 7)	1/15/03	1205	TS	GP	X	X	X	X	X	X	X	X	X					3

Shaded Gray Areas For Lab Use Only

Container Type													
Preservative	A												

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1/16/03 1005	[illegible]	1/16/03 1005
[illegible]	1/16/03 1253	[illegible]	1/16/03 1253

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 2 OF 3

Date Rec'd in Lab: 1/16/03

ALPHA Job #: L0300502

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr. #3B
Rockyhill CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_Alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch CT
Project Location: Thomaston CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 1/23/03 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: RCRA8 Cd, Ni, Zn, Pb	ANALYSIS: Total CN	Sample Specific Comments	TOTAL # BOTTLES
00502.9	PE260-E2	1/15/03	1035	W	GP	X	X		2
.10	PE261-E1	↓	1040	W	↓	X	X		2
.11	PE262-~~E2~~ ER2	↓	1045	W	↓	X	X		2
.12	PE263-S2	↓	1015	W	↓	X	X		2
.13	PE264-S1	↓	1020	W	↓	X	X		2
.14	PE265-VC2	↓	1025	W	↓	X	X		2

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Shaded Gray Areas For Lab Use Only

Container Type	A	A
Preservative	C	E

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1/16/03 1605	[illegible]	1/16/03 1605
	1/16/03 1750	[illegible]	1/16/03 1850

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 3 OF 3

Date Rec'd in Lab: 1/16/03

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ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 1/23/03 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

ANALYSIS: RCRA 8 Cd, Ni, Zn, Cu; TDTA ICN

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA 8 Cd, Ni, Zn, Cu	TDTA ICN	Sample Specific Comments	Total # Bottles
00502-15	PE266-ALS PIPE 1	1/15/03	1145	W	GP	X	X		2
16	PE267-ALS PIPE 2	↓	1150	W	↓	X	X		2
17	PE268-ALS PIPE 3	↓	1151	W	↓	X	X		2
18	PE269-ALS PIPE 4	↓	1154	W	↓	X	X		2
19	PE270-ALS PIPE 5	↓	1200	W	↓	X	X		2

Shaded Gray Areas For Lab Use Only

Container Type	A	A
Preservative	C	E

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mattarly	1/16/03 1605	[illegible]	1/16/03 1605
[illegible]	1/16/03 1759	[illegible]	1/16/03 1752

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: 36908301

Site: PURE ETCH, CT

Laboratory Job Number: L0300515

Date Received: 16-JAN-2003

Date Reported: 24-JAN-2003

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0300515-01	PE324-E2E1	THOMASTON, CT
L0300515-02	PE325-OHCAT	THOMASTON, CT
L0300515-03	PE326-ER2	THOMASTON, CT
L0300515-04	PE327-VC2SUMP	THOMASTON, CT
L0300515-05	PE328-S1	THOMASTON, CT
L0300515-06	PE329-ERO(N)	THOMASTON, CT
L0300515-07	PE330-S2(N)	THOMASTON, CT
L0300515-08	PE331-ERO(S)	THOMASTON, CT
L0300515-09	PE332-D1	THOMASTON, CT
L0300515-10	PE333-S2(S)	THOMASTON, CT
L0300515-11	PE334-VC2	THOMASTON, CT
L0300515-12	PE335-ER2SUMP	THOMASTON, CT
L0300515-13	PE336-SUMP4	THOMASTON, CT
L0300515-14	PE337-E1	THOMASTON, CT
L0300515-15	PE338-CM1(N)	THOMASTON, CT
L0300515-16	PE339-CM1(E)	THOMASTON, CT
L0300515-17	PE340-CM1(W)	THOMASTON, CT
L0300515-18	PE341-CM2(N)	THOMASTON, CT
L0300515-19	PE342-CM2EYE	THOMASTON, CT
L0300515-20	PE343-D1(S)	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean

Scott McLean - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0300515

Alpha Report L0300515:

SemiVolatile Organics

Alpha Samples L0300515-06 and -08 have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples.

No surrogates could be recovered on Alpha Samples L0300515-06 and -08 due to sample matrix. The surrogates were diluted out in order to quantitate the samples.

The laboratory control sample and matrix spike/matrix spike duplicate percent recoveries for 2,4-Dinitrotoluene are above the acceptance criteria for the method. All associated samples are non-detect for the affected compounds, therefore no further action was taken.

The matrix spike/matrix spike duplicate percent recoveries for 2,4-Dinitrophenol are below the acceptance criteria for the method due to sample matrix.

Extractable Total Petroleum Hydrocarbons

Alpha Sample L0300515-08 has elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the sample.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-01
PE324-E2E1
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 14:10
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	96.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 13:21	MG
Arsenic, Total	3.1	mg/kg	1.0	1	6010B	0117 13:15	0120 13:21	MG
Beryllium, Total	ND	mg/kg	0.51	1	6010B	0117 13:15	0120 13:21	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:21	MG
Chromium, Total	33.	mg/kg	1.0	1	6010B	0117 13:15	0120 13:21	MG
Copper, Total	28.	mg/kg	1.0	1	6010B	0117 13:15	0120 13:21	MG
Lead, Total	6.8	mg/kg	5.1	1	6010B	0117 13:15	0120 13:21	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	16.	mg/kg	2.5	1	6010B	0117 13:15	0120 13:21	MG
Selenium, Total	ND	mg/kg	2.0	1	6010B	0117 13:15	0120 13:21	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:21	MG
Thallium, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 13:21	MG
Zinc, Total	38.	mg/kg	5.1	1	6010B	0117 13:15	0120 13:21	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-02
PE325-OHCAT
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 13:55
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	93.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.3	1	6010B	0117 13:15	0120 13:30	MG
Arsenic, Total	2.6	mg/kg	1.1	1	6010B	0117 13:15	0120 13:30	MG
Beryllium, Total	ND	mg/kg	0.53	1	6010B	0117 13:15	0120 13:30	MG
Cadmium, Total	ND	mg/kg	1.1	1	6010B	0117 13:15	0120 13:30	MG
Chromium, Total	24.	mg/kg	1.1	1	6010B	0117 13:15	0120 13:30	MG
Copper, Total	44.	mg/kg	1.1	1	6010B	0117 13:15	0120 13:30	MG
Lead, Total	ND	mg/kg	5.3	1	6010B	0117 13:15	0120 13:30	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	12.	mg/kg	2.7	1	6010B	0117 13:15	0120 13:30	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 13:30	MG
Silver, Total	ND	mg/kg	1.1	1	6010B	0117 13:15	0120 13:30	MG
Thallium, Total	ND	mg/kg	5.3	1	6010B	0117 13:15	0120 13:30	MG
Zinc, Total	40.	mg/kg	5.3	1	6010B	0117 13:15	0120 13:30	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-03
PE326-ER2
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 14:15
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	96.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 13:40	MG
Arsenic, Total	3.0	mg/kg	1.0	1	6010B	0117 13:15	0120 13:40	MG
Beryllium, Total	ND	mg/kg	0.51	1	6010B	0117 13:15	0120 13:40	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:40	MG
Chromium, Total	32.	mg/kg	1.0	1	6010B	0117 13:15	0120 13:40	MG
Copper, Total	72.	mg/kg	1.0	1	6010B	0117 13:15	0120 13:40	MG
Lead, Total	10.	mg/kg	5.1	1	6010B	0117 13:15	0120 13:40	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	20.	mg/kg	2.5	1	6010B	0117 13:15	0120 13:40	MG
Selenium, Total	ND	mg/kg	2.0	1	6010B	0117 13:15	0120 13:40	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:40	MG
Thallium, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 13:40	MG
Zinc, Total	74.	mg/kg	5.1	1	6010B	0117 13:15	0120 13:40	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-04
PE327-VC2SUMP
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 14:30
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	95.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 13:44	MG
Arsenic, Total	3.2	mg/kg	1.0	1	6010B	0117 13:15	0120 13:44	MG
Beryllium, Total	ND	mg/kg	0.51	1	6010B	0117 13:15	0120 13:44	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:44	MG
Chromium, Total	23.	mg/kg	1.0	1	6010B	0117 13:15	0120 13:44	MG
Copper, Total	34.	mg/kg	1.0	1	6010B	0117 13:15	0120 13:44	MG
Lead, Total	5.1	mg/kg	5.1	1	6010B	0117 13:15	0120 13:44	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	9.6	mg/kg	2.5	1	6010B	0117 13:15	0120 13:44	MG
Selenium, Total	ND	mg/kg	2.0	1	6010B	0117 13:15	0120 13:44	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:44	MG
Thallium, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 13:44	MG
Zinc, Total	31.	mg/kg	5.1	1	6010B	0117 13:15	0120 13:44	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-05
PE328-S1
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 14:47
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	95.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 13:49	MG
Arsenic, Total	3.2	mg/kg	1.0	1	6010B	0117 13:15	0120 13:49	MG
Beryllium, Total	ND	mg/kg	0.52	1	6010B	0117 13:15	0120 13:49	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:49	MG
Chromium, Total	29.	mg/kg	1.0	1	6010B	0117 13:15	0120 13:49	MG
Copper, Total	65.	mg/kg	1.0	1	6010B	0117 13:15	0120 13:49	MG
Lead, Total	6.1	mg/kg	5.2	1	6010B	0117 13:15	0120 13:49	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	16.	mg/kg	2.6	1	6010B	0117 13:15	0120 13:49	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 13:49	MG
Silver, Total	1.1	mg/kg	1.0	1	6010B	0117 13:15	0120 13:49	MG
Thallium, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 13:49	MG
Zinc, Total	78.	mg/kg	5.2	1	6010B	0117 13:15	0120 13:49	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-06
PE329-ERO(N)
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 15:03
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	93.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.3	1	6010B	0117 13:15	0120 13:54	MG
Arsenic, Total	2.9	mg/kg	1.1	1	6010B	0117 13:15	0120 13:54	MG
Beryllium, Total	ND	mg/kg	0.53	1	6010B	0117 13:15	0120 13:54	MG
Cadmium, Total	ND	mg/kg	1.1	1	6010B	0117 13:15	0120 13:54	MG
Chromium, Total	70.	mg/kg	1.1	1	6010B	0117 13:15	0120 13:54	MG
Copper, Total	170	mg/kg	1.1	1	6010B	0117 13:15	0120 13:54	MG
Lead, Total	16.	mg/kg	5.3	1	6010B	0117 13:15	0120 13:54	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	32.	mg/kg	2.7	1	6010B	0117 13:15	0120 13:54	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 13:54	MG
Silver, Total	ND	mg/kg	1.1	1	6010B	0117 13:15	0120 13:54	MG
Thallium, Total	ND	mg/kg	5.3	1	6010B	0117 13:15	0120 13:54	MG
Zinc, Total	100	mg/kg	5.3	1	6010B	0117 13:15	0120 13:54	MG
SVOC's by GC/MS 8270				1	8270C	0117 11:35	0121 12:41	HL
Acenaphthene	ND	ug/kg	27000					
Benzidine	ND	ug/kg	270000					
1,2,4-Trichlorobenzene	ND	ug/kg	27000					
Hexachlorobenzene	ND	ug/kg	27000					
Bis(2-chloroethyl)ether	ND	ug/kg	27000					
1-Chloronaphthalene	ND	ug/kg	27000					
2-Chloronaphthalene	ND	ug/kg	32000					
1,2-Dichlorobenzene	ND	ug/kg	27000					
1,3-Dichlorobenzene	ND	ug/kg	27000					
1,4-Dichlorobenzene	ND	ug/kg	27000					
3,3'-Dichlorobenzidine	ND	ug/kg	270000					
2,4-Dinitrotoluene	ND	ug/kg	32000					
2,6-Dinitrotoluene	ND	ug/kg	27000					
Azobenzene	ND	ug/kg	27000					
Fluoranthene	ND	ug/kg	27000					
4-Chlorophenyl phenyl ether	ND	ug/kg	27000					
4-Bromophenyl phenyl ether	ND	ug/kg	27000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	27000					
Bis(2-chloroethoxy)methane	ND	ug/kg	27000					
Hexachlorobutadiene	ND	ug/kg	54000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300515-06
PE329-ERO(N)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0121 12:41	HL
Hexachlorocyclopentadiene	ND	ug/kg	54000					
Hexachloroethane	ND	ug/kg	27000					
Isophorone	ND	ug/kg	27000					
Naphthalene	ND	ug/kg	27000					
Nitrobenzene	ND	ug/kg	27000					
NDPA/DPA	ND	ug/kg	81000					
n-Nitrosodi-n-propylamine	ND	ug/kg	27000					
Bis(2-ethylhexyl)phthalate	ND	ug/kg	54000					
Butyl benzyl phthalate	ND	ug/kg	27000					
Di-n-butylphthalate	ND	ug/kg	27000					
Di-n-octylphthalate	ND	ug/kg	27000					
Diethyl phthalate	ND	ug/kg	27000					
Dimethyl phthalate	ND	ug/kg	27000					
Benzo(a)anthracene	ND	ug/kg	27000					
Benzo(a)pyrene	ND	ug/kg	27000					
Benzo(b)fluoranthene	ND	ug/kg	27000					
Benzo(k)fluoranthene	ND	ug/kg	27000					
Chrysene	ND	ug/kg	27000					
Acenaphthylene	ND	ug/kg	27000					
Anthracene	ND	ug/kg	27000					
Benzo(ghi)perylene	ND	ug/kg	27000					
Fluorene	ND	ug/kg	27000					
Phenanthrene	ND	ug/kg	27000					
Dibenzo(a,h)anthracene	ND	ug/kg	27000					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	27000					
Pyrene	ND	ug/kg	27000					
Benzo(e)pyrene	ND	ug/kg	27000					
Biphenyl	ND	ug/kg	27000					
Perylene	ND	ug/kg	27000					
Aniline	ND	ug/kg	54000					
4-Chloroaniline	ND	ug/kg	27000					
1-Methylnaphthalene	ND	ug/kg	27000					
2-Nitroaniline	ND	ug/kg	27000					
3-Nitroaniline	ND	ug/kg	27000					
4-Nitroaniline	ND	ug/kg	38000					
Dibenzofuran	ND	ug/kg	27000					
a,a-Dimethylphenethylamine	ND	ug/kg	270000					
Hexachloropropene	ND	ug/kg	270000					
Nitrosodi-n-butylamine	ND	ug/kg	54000					
2-Methylnaphthalene	ND	ug/kg	43000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	110000					
Pentachlorobenzene	ND	ug/kg	110000					
a-Naphthylamine	ND	ug/kg	110000					
b-Naphthylamine	ND	ug/kg	110000					
Phenacetin	ND	ug/kg	54000					
Dimethoate	ND	ug/kg	110000					
4-Aminobiphenyl	ND	ug/kg	54000					
Pentachloronitrobenzene	ND	ug/kg	54000					
Isodrin	ND	ug/kg	54000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300515-06
PE329-ERO(N)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0121 12:41	HL
p-Dimethylaminoazobenzene	ND	ug/kg	54000					
Chlorobenzilate	ND	ug/kg	110000					
3-Methylcholanthrene	ND	ug/kg	110000					
Ethyl Methanesulfonate	ND	ug/kg	81000					
Acetophenone	ND	ug/kg	110000					
Nitrosodipiperidine	ND	ug/kg	110000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	54000					
n-Nitrosodimethylamine	ND	ug/kg	270000					
2,4,6-Trichlorophenol	ND	ug/kg	27000					
p-Chloro-m-cresol	ND	ug/kg	27000					
2-Chlorophenol	ND	ug/kg	32000					
2,4-Dichlorophenol	ND	ug/kg	54000					
2,4-Dimethylphenol	ND	ug/kg	54000					
2-Nitrophenol	ND	ug/kg	110000					
4-Nitrophenol	ND	ug/kg	54000					
2,4-Dinitrophenol	ND	ug/kg	110000					
4,6-Dinitro-o-cresol	ND	ug/kg	110000					
Pentachlorophenol	ND	ug/kg	110000					
Phenol	ND	ug/kg	38000					
2-Methylphenol	ND	ug/kg	32000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	32000					
2,4,5-Trichlorophenol	ND	ug/kg	27000					
2,6-Dichlorophenol	ND	ug/kg	54000					
Benzoic Acid	ND	ug/kg	270000					
Benzyl Alcohol	520000	ug/kg	54000					
Carbazole	ND	ug/kg	27000					
Pyridine	ND	ug/kg	270000					
2-Picoline	ND	ug/kg	110000					
Pronamide	ND	ug/kg	110000					
Methyl methanesulfonate	ND	ug/kg	110000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Extractable Total Petroleum Hydrocarbons				11	3-99	0117 11:55	0123 11:21	BW
ETPH-CT	480000	ug/kg	5400					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	60.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-07
PE330-S2(N)
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 15:08
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	95.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 14:13	MG
Arsenic, Total	2.9	mg/kg	1.0	1	6010B	0117 13:15	0120 14:13	MG
Beryllium, Total	ND	mg/kg	0.52	1	6010B	0117 13:15	0120 14:13	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 14:13	MG
Chromium, Total	22.	mg/kg	1.0	1	6010B	0117 13:15	0120 14:13	MG
Copper, Total	36.	mg/kg	1.0	1	6010B	0117 13:15	0120 14:13	MG
Lead, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 14:13	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	11.	mg/kg	2.6	1	6010B	0117 13:15	0120 14:13	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 14:13	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 14:13	MG
Thallium, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 14:13	MG
Zinc, Total	31.	mg/kg	5.2	1	6010B	0117 13:15	0120 14:13	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-08
PE331-ERO(S)
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 15:13
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	89.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.5	1	6010B	0117 13:15	0120 14:17	MG
Arsenic, Total	3.2	mg/kg	1.1	1	6010B	0117 13:15	0120 14:17	MG
Beryllium, Total	ND	mg/kg	0.55	1	6010B	0117 13:15	0120 14:17	MG
Cadmium, Total	ND	mg/kg	1.1	1	6010B	0117 13:15	0120 14:17	MG
Chromium, Total	45.	mg/kg	1.1	1	6010B	0117 13:15	0120 14:17	MG
Copper, Total	89.	mg/kg	1.1	1	6010B	0117 13:15	0120 14:17	MG
Lead, Total	12.	mg/kg	5.5	1	6010B	0117 13:15	0120 14:17	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	21.	mg/kg	2.8	1	6010B	0117 13:15	0120 14:17	MG
Selenium, Total	ND	mg/kg	2.2	1	6010B	0117 13:15	0120 14:17	MG
Silver, Total	ND	mg/kg	1.1	1	6010B	0117 13:15	0120 14:17	MG
Thallium, Total	ND	mg/kg	5.5	1	6010B	0117 13:15	0120 14:17	MG
Zinc, Total	46.	mg/kg	5.5	1	6010B	0117 13:15	0120 14:17	MG
SVOC's by GC/MS 8270				1	8270C	0117 11:35	0121 13:30	HL
Acenaphthene	ND	ug/kg	56000					
Benzidine	ND	ug/kg	560000					
1,2,4-Trichlorobenzene	ND	ug/kg	56000					
Hexachlorobenzene	ND	ug/kg	56000					
Bis(2-chloroethyl)ether	ND	ug/kg	56000					
1-Chloronaphthalene	ND	ug/kg	56000					
2-Chloronaphthalene	ND	ug/kg	67000					
1,2-Dichlorobenzene	ND	ug/kg	56000					
1,3-Dichlorobenzene	ND	ug/kg	56000					
1,4-Dichlorobenzene	ND	ug/kg	56000					
3,3'-Dichlorobenzidine	ND	ug/kg	560000					
2,4-Dinitrotoluene	ND	ug/kg	67000					
2,6-Dinitrotoluene	ND	ug/kg	56000					
Azobenzene	ND	ug/kg	56000					
Fluoranthene	ND	ug/kg	56000					
4-Chlorophenyl phenyl ether	ND	ug/kg	56000					
4-Bromophenyl phenyl ether	ND	ug/kg	56000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	56000					
Bis(2-chloroethoxy)methane	ND	ug/kg	56000					
Hexachlorobutadiene	ND	ug/kg	110000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300515-08
PE331-ERO(S)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0121 13:30	HL
Hexachlorocyclopentadiene	ND	ug/kg	110000					
Hexachloroethane	ND	ug/kg	56000					
Isophorone	ND	ug/kg	56000					
Naphthalene	ND	ug/kg	56000					
Nitrobenzene	ND	ug/kg	56000					
NDPA/DPA	ND	ug/kg	170000					
n-Nitrosodi-n-propylamine	ND	ug/kg	56000					
Bis(2-ethylhexyl)phthalate	ND	ug/kg	110000					
Butyl benzyl phthalate	ND	ug/kg	56000					
Di-n-butylphthalate	ND	ug/kg	56000					
Di-n-octylphthalate	ND	ug/kg	56000					
Diethyl phthalate	ND	ug/kg	56000					
Dimethyl phthalate	ND	ug/kg	56000					
Benzo(a)anthracene	ND	ug/kg	56000					
Benzo(a)pyrene	ND	ug/kg	56000					
Benzo(b)fluoranthene	ND	ug/kg	56000					
Benzo(k)fluoranthene	ND	ug/kg	56000					
Chrysene	ND	ug/kg	56000					
Acenaphthylene	ND	ug/kg	56000					
Anthracene	ND	ug/kg	56000					
Benzo(ghi)perylene	ND	ug/kg	56000					
Fluorene	ND	ug/kg	56000					
Phenanthrene	ND	ug/kg	56000					
Dibenzo(a,h)anthracene	ND	ug/kg	56000					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	56000					
Pyrene	ND	ug/kg	56000					
Benzo(e)pyrene	ND	ug/kg	56000					
Biphenyl	ND	ug/kg	56000					
Perylene	ND	ug/kg	56000					
Aniline	ND	ug/kg	110000					
4-Chloroaniline	ND	ug/kg	56000					
1-Methylnaphthalene	ND	ug/kg	56000					
2-Nitroaniline	ND	ug/kg	56000					
3-Nitroaniline	ND	ug/kg	56000					
4-Nitroaniline	ND	ug/kg	79000					
Dibenzofuran	ND	ug/kg	56000					
a,a-Dimethylphenethylamine	ND	ug/kg	560000					
Hexachloropropene	ND	ug/kg	560000					
Nitrosodi-n-butylamine	ND	ug/kg	110000					
2-Methylnaphthalene	ND	ug/kg	90000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	220000					
Pentachlorobenzene	ND	ug/kg	220000					
a-Naphthylamine	ND	ug/kg	220000					
b-Naphthylamine	ND	ug/kg	220000					
Phenacetin	ND	ug/kg	110000					
Dimethoate	ND	ug/kg	220000					
4-Aminobiphenyl	ND	ug/kg	110000					
Pentachloronitrobenzene	ND	ug/kg	110000					
Isodrin	ND	ug/kg	110000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0300515-08
PE331-ERO(S)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0121 13:30	HL
p-Dimethylaminoazobenzene	ND	ug/kg	110000					
Chlorobenzilate	ND	ug/kg	220000					
3-Methylcholanthrene	ND	ug/kg	220000					
Ethyl Methanesulfonate	ND	ug/kg	170000					
Acetophenone	ND	ug/kg	220000					
Nitrosodipiperidine	ND	ug/kg	220000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	110000					
n-Nitrosodimethylamine	ND	ug/kg	560000					
2,4,6-Trichlorophenol	ND	ug/kg	56000					
p-Chloro-m-cresol	ND	ug/kg	56000					
2-Chlorophenol	ND	ug/kg	67000					
2,4-Dichlorophenol	ND	ug/kg	110000					
2,4-Dimethylphenol	ND	ug/kg	110000					
2-Nitrophenol	ND	ug/kg	220000					
4-Nitrophenol	ND	ug/kg	110000					
2,4-Dinitrophenol	ND	ug/kg	220000					
4,6-Dinitro-o-cresol	ND	ug/kg	220000					
Pentachlorophenol	ND	ug/kg	220000					
Phenol	ND	ug/kg	79000					
2-Methylphenol	ND	ug/kg	67000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	67000					
2,4,5-Trichlorophenol	ND	ug/kg	56000					
2,6-Dichlorophenol	ND	ug/kg	110000					
Benzoic Acid	ND	ug/kg	560000					
Benzyl Alcohol	1000000	ug/kg	110000					
Carbazole	ND	ug/kg	56000					
Pyridine	ND	ug/kg	560000					
2-Picoline	ND	ug/kg	220000					
Pronamide	ND	ug/kg	220000					
Methyl methanesulfonate	ND	ug/kg	220000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Extractable Total Petroleum Hydrocarbons				11	3-99	0117 11:55	0123 17:08	BW
ETPH-CT	1100000	ug/kg	22000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	87.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-09
PE332-D1
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 15:34
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	95.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 14:22	MG
Arsenic, Total	3.1	mg/kg	1.0	1	6010B	0117 13:15	0120 14:22	MG
Beryllium, Total	0.59	mg/kg	0.52	1	6010B	0117 13:15	0120 14:22	MG
Cadmium, Total	1.2	mg/kg	1.0	1	6010B	0117 13:15	0120 14:22	MG
Chromium, Total	490	mg/kg	1.0	1	6010B	0117 13:15	0120 14:22	MG
Copper, Total	390	mg/kg	1.0	1	6010B	0117 13:15	0120 14:22	MG
Lead, Total	48.	mg/kg	5.2	1	6010B	0117 13:15	0120 14:22	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	30.	mg/kg	2.6	1	6010B	0117 13:15	0120 14:22	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 14:22	MG
Silver, Total	1.8	mg/kg	1.0	1	6010B	0117 13:15	0120 14:22	MG
Thallium, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 14:22	MG
Zinc, Total	120	mg/kg	5.2	1	6010B	0117 13:15	0120 14:22	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-10
PE333-S2(S)
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 15:30
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	96.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.0	1	6010B	0117 13:15	0120 14:27	MG
Arsenic, Total	3.1	mg/kg	1.0	1	6010B	0117 13:15	0120 14:27	MG
Beryllium, Total	ND	mg/kg	0.50	1	6010B	0117 13:15	0120 14:27	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 14:27	MG
Chromium, Total	28.	mg/kg	1.0	1	6010B	0117 13:15	0120 14:27	MG
Copper, Total	46.	mg/kg	1.0	1	6010B	0117 13:15	0120 14:27	MG
Lead, Total	6.7	mg/kg	5.0	1	6010B	0117 13:15	0120 14:27	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	13.	mg/kg	2.5	1	6010B	0117 13:15	0120 14:27	MG
Selenium, Total	ND	mg/kg	2.0	1	6010B	0117 13:15	0120 14:27	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 14:27	MG
Thallium, Total	ND	mg/kg	5.0	1	6010B	0117 13:15	0120 14:27	MG
Zinc, Total	48.	mg/kg	5.0	1	6010B	0117 13:15	0120 14:27	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-11
PE334-VC2
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 15:21
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	90.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.5	1	6010B	0117 13:15	0120 14:31	MG
Arsenic, Total	4.2	mg/kg	1.1	1	6010B	0117 13:15	0120 14:31	MG
Beryllium, Total	ND	mg/kg	0.55	1	6010B	0117 13:15	0120 14:31	MG
Cadmium, Total	6.4	mg/kg	1.1	1	6010B	0117 13:15	0120 14:31	MG
Chromium, Total	290	mg/kg	1.1	1	6010B	0117 13:15	0120 14:31	MG
Copper, Total	850	mg/kg	1.1	1	6010B	0117 13:15	0120 14:31	MG
Lead, Total	73.	mg/kg	5.5	1	6010B	0117 13:15	0120 14:31	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	230	mg/kg	2.7	1	6010B	0117 13:15	0120 14:31	MG
Selenium, Total	ND	mg/kg	2.2	1	6010B	0117 13:15	0120 14:31	MG
Silver, Total	2.3	mg/kg	1.1	1	6010B	0117 13:15	0120 14:31	MG
Thallium, Total	ND	mg/kg	5.5	1	6010B	0117 13:15	0120 14:31	MG
Zinc, Total	5700	mg/kg	55.	1	6010B	0117 13:15	0121 15:55	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-12
PE335-ER2SUMP
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 14:35
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	93.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.3	1	6010B	0117 13:15	0120 14:36	MG
Arsenic, Total	3.4	mg/kg	1.1	1	6010B	0117 13:15	0120 14:36	MG
Beryllium, Total	ND	mg/kg	0.53	1	6010B	0117 13:15	0120 14:36	MG
Cadmium, Total	ND	mg/kg	1.1	1	6010B	0117 13:15	0120 14:36	MG
Chromium, Total	54.	mg/kg	1.1	1	6010B	0117 13:15	0120 14:36	MG
Copper, Total	52.	mg/kg	1.1	1	6010B	0117 13:15	0120 14:36	MG
Lead, Total	6.6	mg/kg	5.3	1	6010B	0117 13:15	0120 14:36	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	28.	mg/kg	2.7	1	6010B	0117 13:15	0120 14:36	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 14:36	MG
Silver, Total	ND	mg/kg	1.1	1	6010B	0117 13:15	0120 14:36	MG
Thallium, Total	ND	mg/kg	5.3	1	6010B	0117 13:15	0120 14:36	MG
Zinc, Total	74.	mg/kg	5.3	1	6010B	0117 13:15	0120 14:36	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-13
PE336-SUMP4
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 14:40
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	94.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.3	1	6010B	0117 13:15	0120 14:49	MG
Arsenic, Total	3.4	mg/kg	1.0	1	6010B	0117 13:15	0120 14:49	MG
Beryllium, Total	ND	mg/kg	0.53	1	6010B	0117 13:15	0120 14:49	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 14:49	MG
Chromium, Total	32.	mg/kg	1.0	1	6010B	0117 13:15	0120 14:49	MG
Copper, Total	120	mg/kg	1.0	1	6010B	0117 13:15	0120 14:49	MG
Lead, Total	8.8	mg/kg	5.3	1	6010B	0117 13:15	0120 14:49	MG
Mercury, Total	0.09	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	18.	mg/kg	2.6	1	6010B	0117 13:15	0120 14:49	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 14:49	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 14:49	MG
Thallium, Total	ND	mg/kg	5.3	1	6010B	0117 13:15	0120 14:49	MG
Zinc, Total	51.	mg/kg	5.3	1	6010B	0117 13:15	0120 14:49	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-14
PE337-E1
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 14:55
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	96.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 14:54	MG
Arsenic, Total	4.3	mg/kg	1.0	1	6010B	0117 13:15	0120 14:54	MG
Beryllium, Total	ND	mg/kg	0.52	1	6010B	0117 13:15	0120 14:54	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 14:54	MG
Chromium, Total	76.	mg/kg	1.0	1	6010B	0117 13:15	0120 14:54	MG
Copper, Total	92.	mg/kg	1.0	1	6010B	0117 13:15	0120 14:54	MG
Lead, Total	7.8	mg/kg	5.2	1	6010B	0117 13:15	0120 14:54	MG
Mercury, Total	0.14	mg/kg	0.07	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	44.	mg/kg	2.6	1	6010B	0117 13:15	0120 14:54	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 14:54	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 14:54	MG
Thallium, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 14:54	MG
Zinc, Total	64.	mg/kg	5.2	1	6010B	0117 13:15	0120 14:54	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-15
PE338-CM1(N)
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 15:49
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	96.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 14:59	MG
Arsenic, Total	2.6	mg/kg	1.0	1	6010B	0117 13:15	0120 14:59	MG
Beryllium, Total	ND	mg/kg	0.52	1	6010B	0117 13:15	0120 14:59	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 14:59	MG
Chromium, Total	20.	mg/kg	1.0	1	6010B	0117 13:15	0120 14:59	MG
Copper, Total	47.	mg/kg	1.0	1	6010B	0117 13:15	0120 14:59	MG
Lead, Total	6.9	mg/kg	5.2	1	6010B	0117 13:15	0120 14:59	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	11.	mg/kg	2.6	1	6010B	0117 13:15	0120 14:59	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 14:59	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 14:59	MG
Thallium, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 14:59	MG
Zinc, Total	41.	mg/kg	5.2	1	6010B	0117 13:15	0120 14:59	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-16
PE339-CM1(E)
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 15:54
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	97.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 15:04	MG
Arsenic, Total	2.6	mg/kg	1.0	1	6010B	0117 13:15	0120 15:04	MG
Beryllium, Total	ND	mg/kg	0.51	1	6010B	0117 13:15	0120 15:04	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 15:04	MG
Chromium, Total	22.	mg/kg	1.0	1	6010B	0117 13:15	0120 15:04	MG
Copper, Total	33.	mg/kg	1.0	1	6010B	0117 13:15	0120 15:04	MG
Lead, Total	9.4	mg/kg	5.1	1	6010B	0117 13:15	0120 15:04	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	11.	mg/kg	2.5	1	6010B	0117 13:15	0120 15:04	MG
Selenium, Total	ND	mg/kg	2.0	1	6010B	0117 13:15	0120 15:04	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 15:04	MG
Thallium, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 15:04	MG
Zinc, Total	50.	mg/kg	5.1	1	6010B	0117 13:15	0120 15:04	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-17
PE340-CM1(W)
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 16:05
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	95.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 15:26	MG
Arsenic, Total	2.5	mg/kg	1.0	1	6010B	0117 13:15	0120 15:26	MG
Beryllium, Total	ND	mg/kg	0.52	1	6010B	0117 13:15	0120 15:26	MG
Cadmium, Total	1.8	mg/kg	1.0	1	6010B	0117 13:15	0120 15:26	MG
Chromium, Total	54.	mg/kg	1.0	1	6010B	0117 13:15	0120 15:26	MG
Copper, Total	220	mg/kg	1.0	1	6010B	0117 13:15	0120 15:26	MG
Lead, Total	15.	mg/kg	5.2	1	6010B	0117 13:15	0120 15:26	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	19.	mg/kg	2.6	1	6010B	0117 13:15	0120 15:26	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 15:26	MG
Silver, Total	2.8	mg/kg	1.0	1	6010B	0117 13:15	0120 15:26	MG
Thallium, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 15:26	MG
Zinc, Total	35.	mg/kg	5.2	1	6010B	0117 13:15	0120 15:26	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-18
PE341-CM2(N)
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 16:14
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	95.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 15:30	MG
Arsenic, Total	3.0	mg/kg	1.0	1	6010B	0117 13:15	0120 15:30	MG
Beryllium, Total	ND	mg/kg	0.52	1	6010B	0117 13:15	0120 15:30	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 15:30	MG
Chromium, Total	30.	mg/kg	1.0	1	6010B	0117 13:15	0120 15:30	MG
Copper, Total	50.	mg/kg	1.0	1	6010B	0117 13:15	0120 15:30	MG
Lead, Total	5.7	mg/kg	5.2	1	6010B	0117 13:15	0120 15:30	MG
Mercury, Total	0.26	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	10.	mg/kg	2.6	1	6010B	0117 13:15	0120 15:30	MG
Selenium, Total	ND	mg/kg	2.1	1	6010B	0117 13:15	0120 15:30	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 15:30	MG
Thallium, Total	ND	mg/kg	5.2	1	6010B	0117 13:15	0120 15:30	MG
Zinc, Total	43.	mg/kg	5.2	1	6010B	0117 13:15	0120 15:30	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-19
PE342-CM2EYE
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 16:24
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	96.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 15:35	MG
Arsenic, Total	2.4	mg/kg	1.0	1	6010B	0117 13:15	0120 15:35	MG
Beryllium, Total	ND	mg/kg	0.51	1	6010B	0117 13:15	0120 15:35	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 15:35	MG
Chromium, Total	18.	mg/kg	1.0	1	6010B	0117 13:15	0120 15:35	MG
Copper, Total	35.	mg/kg	1.0	1	6010B	0117 13:15	0120 15:35	MG
Lead, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 15:35	MG
Mercury, Total	0.27	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	9.7	mg/kg	2.6	1	6010B	0117 13:15	0120 15:35	MG
Selenium, Total	ND	mg/kg	2.0	1	6010B	0117 13:15	0120 15:35	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 15:35	MG
Thallium, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 15:35	MG
Zinc, Total	53.	mg/kg	5.1	1	6010B	0117 13:15	0120 15:35	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0300515-20
PE343-D1(S)
Sample Matrix: SOLID

Date Collected: 15-JAN-2003 15:38
Date Received : 16-JAN-2003
Date Reported : 24-JAN-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	96.	%	0.10	30	2540G		0117 11:50	DT
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 15:40	MG
Arsenic, Total	3.2	mg/kg	1.0	1	6010B	0117 13:15	0120 15:40	MG
Beryllium, Total	ND	mg/kg	0.51	1	6010B	0117 13:15	0120 15:40	MG
Cadmium, Total	1.2	mg/kg	1.0	1	6010B	0117 13:15	0120 15:40	MG
Chromium, Total	200	mg/kg	1.0	1	6010B	0117 13:15	0120 15:40	MG
Copper, Total	280	mg/kg	1.0	1	6010B	0117 13:15	0120 15:40	MG
Lead, Total	60.	mg/kg	5.1	1	6010B	0117 13:15	0120 15:40	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Nickel, Total	92.	mg/kg	2.6	1	6010B	0117 13:15	0120 15:40	MG
Selenium, Total	ND	mg/kg	2.0	1	6010B	0117 13:15	0120 15:40	MG
Silver, Total	2.6	mg/kg	1.0	1	6010B	0117 13:15	0120 15:40	MG
Thallium, Total	ND	mg/kg	5.1	1	6010B	0117 13:15	0120 15:40	MG
Zinc, Total	380	mg/kg	5.1	1	6010B	0117 13:15	0120 15:40	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0300515

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 01-20 (L0300515-01, WG131748)					
Solids, Total	96.	96.	%	0	
Total Metals for sample(s) 01-20 (L0300515-01, WG131849)					
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	3.1	3.3	mg/kg	6	35
Beryllium, Total	ND	ND	mg/kg	NC	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Chromium, Total	33.	28.	mg/kg	16	35
Copper, Total	28.	32.	mg/kg	13	35
Lead, Total	6.8	ND	mg/kg	NC	35
Nickel, Total	16.	13.	mg/kg	21	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Thallium, Total	ND	ND	mg/kg	NC	35
Zinc, Total	38.	38.	mg/kg	0	35
Total Metals for sample(s) 01-20 (L0300515-01, WG131999)					
Mercury, Total	ND	ND	mg/kg	NC	45
Extractable Total Petroleum Hydrocarbons for sample(s) 06,08 (L0300502-06, WG131767)					
ETPH-CT	560000	510000	ug/kg	9	
Surrogate(s)	Recovery				QC Criteria
o-Terphenyl	90.0	93.0	%	3	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0300515

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-20 (WG131849)		
Antimony, Total	98	70-140
Arsenic, Total	108	70-140
Beryllium, Total	102	70-140
Cadmium, Total	106	70-140
Chromium, Total	95	70-140
Copper, Total	96	70-140
Lead, Total	108	70-140
Nickel, Total	98	70-140
Selenium, Total	108	70-140
Silver, Total	97	70-140
Thallium, Total	100	70-140
Zinc, Total	98	70-140
Total Metals LCS for sample(s) 01-20 (WG131999)		
Mercury, Total	100	60-140
SVOC's by GC/MS 8270 LCS for sample(s) 06,08 (WG131768)		
Acenaphthene	74	31-137
1,2,4-Trichlorobenzene	64	38-107
2-Chloronaphthalene	75	
1,2-Dichlorobenzene	60	
1,4-Dichlorobenzene	60	28-104
2,4-Dinitrotoluene	90	28-89
2,6-Dinitrotoluene	94	
Fluoranthene	88	
4-Chlorophenyl phenyl ether	81	
n-Nitrosodi-n-propylamine	63	41-126
Butyl benzyl phthalate	86	
Anthracene	71	
Pyrene	90	35-142
Hexachloropropene	56	
P-Chloro-M-Cresol	78	26-103
2-CHLOROPHENOL	58	25-102
2-Nitrophenol	64	
4-Nitrophenol	88	11-114
2,4-Dinitrophenol	72	
Pentachlorophenol	89	17-109
Phenol	56	26-90
Surrogate(s)		
2-Fluorophenol	56	25-120
Phenol-d6	61	10-120
Nitrobenzene-d5	59	23-120
2-Fluorobiphenyl	68	30-120
2,4,6-Tribromophenol	39	19-120
4-Terphenyl-d14	71	18-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0300515

Continued

Parameter	% Recovery	QC Criteria
Extractable Total Petroleum Hydrocarbons LCS for sample(s) 06,08 (WG131767)		
ETPH-CT	83	
Surrogate(s)		
o-Terphenyl	110	
Total Metals SPIKE for sample(s) 01-20 (L0300515-02, WG131849)		
Antimony, Total	79	70-140
Arsenic, Total	97	70-140
Beryllium, Total	82	70-140
Cadmium, Total	85	70-140
Chromium, Total	84	70-140
Copper, Total	94	70-140
Lead, Total	92	70-140
Nickel, Total	77	70-140
Selenium, Total	94	70-140
Silver, Total	97	70-140
Thallium, Total	102	70-140
Zinc, Total	86	70-140
Total Metals SPIKE for sample(s) 01-20 (L0300515-01, WG131999)		
Mercury, Total	110	60-140
Extractable Total Petroleum Hydrocarbons SPIKE for sample(s) 06,08 (L0300502-06, WG131767)		
ETPH-CT	71	
Surrogate(s)		
o-Terphenyl	119	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0300515

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 06,08 (L0300502-06, WG131768)					
Acenaphthene	92	92	0	50	31-137
1,2,4-Trichlorobenzene	77	78	1	50	38-107
2-Chloronaphthalene	95	95	0	50	
1,2-Dichlorobenzene	68	72	6	50	
1,4-Dichlorobenzene	68	72	6	50	28-104
2,4-Dinitrotoluene	97	95	2	50	28-89
2,6-Dinitrotoluene	99	97	2	50	
Fluoranthene	99	99	0	50	
4-Chlorophenyl phenyl ether	97	96	1	50	
n-Nitrosodi-n-propylamine	72	76	5	50	41-126
Butyl benzyl phthalate	110	99	11	50	
Anthracene	79	78	1	50	
Pyrene	110	99	11	50	35-142
Hexachloropropene	59	64	8	50	
P-Chloro-M-Cresol	99	99	0	50	26-103
2-CHLOROPHENOL	74	74	0	50	25-102
2-Nitrophenol	74	79	7	50	
4-Nitrophenol	94	94	0	50	11-114
2,4-Dinitrophenol	21	20	5	50	
Pentachlorophenol	18	18	0	50	17-109
Phenol	74	79	7	50	26-90
Surrogate(s)					
2-Fluorophenol	68	73	7		25-120
Phenol-d6	78	81	4		10-120
Nitrobenzene-d5	68	71	4		23-120
2-Fluorobiphenyl	85	87	2		30-120
2,4,6-Tribromophenol	38	39	3		19-120
4-Terphenyl-d14	83	81	2		18-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300515

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-20 (WG131849-3)								
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	5.0	1	6010B	0117 13:15	0120 13:12	MG
Arsenic, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:12	MG
Beryllium, Total	ND	mg/kg	0.50	1	6010B	0117 13:15	0120 13:12	MG
Cadmium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:12	MG
Chromium, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:12	MG
Copper, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:12	MG
Lead, Total	ND	mg/kg	5.0	1	6010B	0117 13:15	0120 13:12	MG
Nickel, Total	ND	mg/kg	2.5	1	6010B	0117 13:15	0120 13:12	MG
Selenium, Total	ND	mg/kg	2.0	1	6010B	0117 13:15	0120 13:12	MG
Silver, Total	ND	mg/kg	1.0	1	6010B	0117 13:15	0120 13:12	MG
Thallium, Total	ND	mg/kg	5.0	1	6010B	0117 13:15	0120 13:12	MG
Zinc, Total	ND	mg/kg	5.0	1	6010B	0117 13:15	0120 13:12	MG
Blank Analysis for sample(s) 01-20 (WG131999-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0121 20:00	0123 11:17	DM
Blank Analysis for sample(s) 06,08 (WG131768-1)								
SVOC's by GC/MS 8270				1	8270C	0117 11:35	0120 10:43	HL
Acenaphthene	ND	ug/kg	500					
Benzidine	ND	ug/kg	5000					
1,2,4-Trichlorobenzene	ND	ug/kg	500					
Hexachlorobenzene	ND	ug/kg	500					
Bis(2-chloroethyl)ether	ND	ug/kg	500					
1-Chloronaphthalene	ND	ug/kg	500					
2-Chloronaphthalene	ND	ug/kg	600					
1,2-Dichlorobenzene	ND	ug/kg	500					
1,3-Dichlorobenzene	ND	ug/kg	500					
1,4-Dichlorobenzene	ND	ug/kg	500					
3,3'-Dichlorobenzidine	ND	ug/kg	5000					
2,4-Dinitrotoluene	ND	ug/kg	600					
2,6-Dinitrotoluene	ND	ug/kg	500					
Azobenzene	ND	ug/kg	500					
Fluoranthene	ND	ug/kg	500					
4-Chlorophenyl phenyl ether	ND	ug/kg	500					
4-Bromophenyl phenyl ether	ND	ug/kg	500					
Bis(2-chloroisopropyl)ether	ND	ug/kg	500					
Bis(2-chloroethoxy)methane	ND	ug/kg	500					
Hexachlorobutadiene	ND	ug/kg	1000					
Hexachlorocyclopentadiene	ND	ug/kg	1000					
Hexachloroethane	ND	ug/kg	500					
Isophorone	ND	ug/kg	500					
Naphthalene	ND	ug/kg	500					
Nitrobenzene	ND	ug/kg	500					
NDPA/DPA	ND	ug/kg	1500					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300515

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 06,08 (WG131768-1)								
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 10:43	HL
n-Nitrosodi-n-propylamine	ND	ug/kg	500					
Bis(2-ethylhexyl)phthalate	ND	ug/kg	1000					
Butyl benzyl phthalate	ND	ug/kg	500					
Di-n-butylphthalate	ND	ug/kg	500					
Di-n-octylphthalate	ND	ug/kg	500					
Diethyl phthalate	ND	ug/kg	500					
Dimethyl phthalate	ND	ug/kg	500					
Benzo(a)anthracene	ND	ug/kg	500					
Benzo(a)pyrene	ND	ug/kg	500					
Benzo(b)fluoranthene	ND	ug/kg	500					
Benzo(k)fluoranthene	ND	ug/kg	500					
Chrysene	ND	ug/kg	500					
Acenaphthylene	ND	ug/kg	500					
Anthracene	ND	ug/kg	500					
Benzo(ghi)perylene	ND	ug/kg	500					
Fluorene	ND	ug/kg	500					
Phenanthrene	ND	ug/kg	500					
Dibenzo(a,h)anthracene	ND	ug/kg	500					
Indeno(1,2,3-cd)pyrene	ND	ug/kg	500					
Pyrene	ND	ug/kg	500					
Benzo(e)pyrene	ND	ug/kg	500					
Biphenyl	ND	ug/kg	500					
Perylene	ND	ug/kg	500					
Aniline	ND	ug/kg	1000					
4-Chloroaniline	ND	ug/kg	500					
1-Methylnaphthalene	ND	ug/kg	500					
2-Nitroaniline	ND	ug/kg	500					
3-Nitroaniline	ND	ug/kg	500					
4-Nitroaniline	ND	ug/kg	700					
Dibenzofuran	ND	ug/kg	500					
a,a-Dimethylphenethylamine	ND	ug/kg	5000					
Hexachloropropene	ND	ug/kg	5000					
Nitrosodi-n-butylamine	ND	ug/kg	1000					
2-Methylnaphthalene	ND	ug/kg	800					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	2000					
Pentachlorobenzene	ND	ug/kg	2000					
a-Naphthylamine	ND	ug/kg	2000					
b-Naphthylamine	ND	ug/kg	2000					
Phenacetin	ND	ug/kg	1000					
Dimethoate	ND	ug/kg	2000					
4-Aminobiphenyl	ND	ug/kg	1000					
Pentachloronitrobenzene	ND	ug/kg	1000					
Isodrin	ND	ug/kg	1000					
p-Dimethylaminoazobenzene	ND	ug/kg	1000					
Chlorobenzilate	ND	ug/kg	2000					
3-Methylcholanthrene	ND	ug/kg	2000					
Ethyl Methanesulfonate	ND	ug/kg	1500					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0300515

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 06,08 (WG131768-1)								
SVOC's by GC/MS 8270 continued				1	8270C	0117 11:35	0120 10:43	HL
Acetophenone	ND	ug/kg	2000					
Nitrosodipiperidine	ND	ug/kg	2000					
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	1000					
n-Nitrosodimethylamine	ND	ug/kg	5000					
2,4,6-Trichlorophenol	ND	ug/kg	500					
p-Chloro-m-cresol	ND	ug/kg	500					
2-Chlorophenol	ND	ug/kg	600					
2,4-Dichlorophenol	ND	ug/kg	1000					
2,4-Dimethylphenol	ND	ug/kg	1000					
2-Nitrophenol	ND	ug/kg	2000					
4-Nitrophenol	ND	ug/kg	1000					
2,4-Dinitrophenol	ND	ug/kg	2000					
4,6-Dinitro-o-cresol	ND	ug/kg	2000					
Pentachlorophenol	ND	ug/kg	2000					
Phenol	ND	ug/kg	700					
2-Methylphenol	ND	ug/kg	600					
3-Methylphenol/4-Methylphenol	ND	ug/kg	600					
2,4,5-Trichlorophenol	ND	ug/kg	500					
2,6-Dichlorophenol	ND	ug/kg	1000					
Benzoic Acid	ND	ug/kg	5000					
Benzyl Alcohol	ND	ug/kg	1000					
Carbazole	ND	ug/kg	500					
Pyridine	ND	ug/kg	5000					
2-Picoline	ND	ug/kg	2000					
Pronamide	ND	ug/kg	2000					
Methyl methanesulfonate	ND	ug/kg	2000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	48.0	%	25-120					
Phenol-d6	52.0	%	10-120					
Nitrobenzene-d5	49.0	%	23-120					
2-Fluorobiphenyl	50.0	%	30-120					
2,4,6-Tribromophenol	32.0	%	19-120					
4-Terphenyl-d14	66.0	%	18-120					
Blank Analysis for sample(s) 06,08 (WG131767-1)								
Extractable Total Petroleum Hydrocarbons				11	3-99	0117 11:55	0123 00:31	BW
ETPH-CT	ND	ug/kg	10000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	73.0	%						

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

11. Analysis of Extractable Petroleum Hydrocarbons (ETPH) Using Methylene Chloride Gas Chromatograph/Flame Ionization Detection. Environmental Research Institute, University of Connecticut. March 1999.

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 1/16

ALPHA Job #: L0300171

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: UKS Corporation
Address: 500 Enterprise Dr. #3B
Rocky Hill CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch CT
Project Location: Thomaston, CT
Project #: 36108301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 1/23 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	13 Priority Pollutants	CT ETPH	SVOCs	Sample Specific Comments	Total # Bottles
0115-1	PE324-E2E1	1/15/03	1410	CC	GP	X				2
2	PE325-OHCAT		1355			X				
3	PE326-ER2		1415			X				
4	PE327-VC2SUMP		1430			X				
5	PE328-S1		1447			X				
6	PE329-ERO(N)		1503			X	X	X		
7	PE330-S2(N)		1508			X				
8	PE331-ERO(S)		1513			X	X	X		
9	PE332-D1		1524			X				
10	PE333-S2(S)		1530			X				

Shaded Gray Areas For Lab Use Only

Container Type	A	—												
Preservative	A	—												

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1/16/03 1605	[illegible]	1-16-03/16:[illegible]
[illegible]	1/16/03 1752	[illegible]	1/16/03 1753

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STC

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 1/16

ALPHA Job #: L0300775

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr #3B Rocky Hill CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_Alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch CT
Project Location: Thomaston, CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 1/23 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: 13 Priority Pollutants	Sample Specific Comments	TOTAL # BOTTLES
01	PE334-VC2	1/15/03	1521	CC	GP	X		2
12	PE335-ER2Sump		1435			X		
13	PE336-Sump4		1440			X		
14	PE337-E1		1455			X		
15	PE338-CM1(N)		1541			X		
16	PE339-CM1(E)		1554			X		
17	PE340-CM1(W)		1605			X		
18	PE341-CM2(N)		1614			X		
19	PE342-CM2EYE		1624			X		
20	PE343-D1(S)	1/15/03	1533	CC	GP	X		

Shaded Gray Areas For Lab Use Only

Container Type	A
Preservative	A

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1/16/03 1605	[illegible]	1/16 [illegible]
[illegible]	1/16/03 1733	[illegible]	1/16 1752

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: 36908301

Site: PURE ETCH, CT

Laboratory Job Number: L0301634

Date Received: 21-FEB-2003

Date Reported: 02-APR-2003

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0301634-01	PE344-CU/D/W(N)	THOMASTON, CT
L0301634-02	PE345-CU/D/W(GRATE)	THOMASTON, CT
L0301634-03	PE346-CU/D/W(S)	THOMASTON, CT
L0301634-04	PE347-PCLDRAIN	THOMASTON, CT
L0301634-05	PE271-CYNCW1	THOMASTON, CT
L0301634-06	PE272-EH	THOMASTON, CT
L0301634-07	PE273-B1	THOMASTON, CT
L0301634-08	PE274-FP	THOMASTON, CT
L0301634-09	PE275-WT4	THOMASTON, CT
L0301634-10	PE276-WT3	THOMASTON, CT
L0301634-11	PE277-WT2	THOMASTON, CT
L0301634-12	PE278-CYNCW2	THOMASTON, CT
L0301634-13	PE279-WT1	THOMASTON, CT
L0301634-14	PE280-C1	THOMASTON, CT
L0301634-15	PE281-CYNCW3	THOMASTON, CT
L0301634-16	PE282-VC1	THOMASTON, CT
L0301634-17	PE283-WT3	THOMASTON, CT
L0301634-18	PE284-WT2	THOMASTON, CT
L0301634-19	PE285-WT1	THOMASTON, CT
L0301634-20	PE286-VC1	THOMASTON, CT
L0301634-21	PE287-C1	THOMASTON, CT
L0301634-22	PE288-B1	THOMASTON, CT
L0301634-23	PE289-WT4	THOMASTON, CT
L0301634-24	PE290-EH	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: James Todaro

James Todaro - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0301634

Report Submission

This report replaces the report issued on February 28, 2003. The report has been amended to include the adjusted analytical run date for the analysis of ETPH on Alpha Samples L0301634-01 through -04. The analytical run date was inaccurate due to a problem with the data acquisition calendar. This affected the analytical run date, but not the time.

Volatile Organics

Alpha Sample(s) L0301634-12 has elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples.

ETPH

One or more surrogates for Alpha Sample(s) L0301634-02 were not recovered, due to the dilutions required to quantitate the samples.

Alpha Sample(s) L0301634-01 through -04, and the associated laboratory duplicate and matrix spike have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples.

One or more of the matrix spike percent recoveries and the relative percent difference associated with Alpha Sample(s) L0301634-01 through -04 is outside the acceptance criteria required for the method. This is attributed to the elevated concentrations of target compounds in the samples.

Total Metals

The matrix spike percent recovery for the analysis of Copper and Zinc associated with Alpha Sample(s) L0301634-01 through -04 is invalid because the sample concentration is greater than four times the spike amount added.

The matrix spike percent recovery for the analysis of Selenium and Thallium associated with Alpha Sample(s) L0301634-01 through -04 is outside the in-house acceptance criteria for the method. A post analytical spike was performed with an acceptable recovery of Selenium at 99% and Thallium at 111%.

The matrix spike percent recovery for the analysis of Sodium associated with Alpha Sample(s) L0301634-05 through -16 is invalid because the sample concentration is greater than four times the spike amount added.

The matrix spike percent recovery for the analysis of Copper, Iron, Nickel, and Calcium associated with Alpha Sample(s) L0301634-05 through -16 is outside the in-house acceptance criteria for the method. A post analytical spike was performed with an acceptable recovery of Copper at 104% , Iron at 100%, Nickel at 92%, and Calcium at 107%.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-01
PE344-CU/D/W(N)
Sample Matrix: SOLID

Date Collected: 06-FEB-2003 14:55
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/kg	0.24	1	9010B	0224 16:30	0226 11:22	ED
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 14:38	MG
Arsenic, Total	2.3	mg/kg	0.40	1	6010B	0224 17:30	0225 14:38	MG
Beryllium, Total	0.26	mg/kg	0.20	1	6010B	0224 17:30	0225 14:38	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 14:38	MG
Chromium, Total	17.	mg/kg	0.40	1	6010B	0224 17:30	0225 14:38	MG
Copper, Total	30.	mg/kg	0.40	1	6010B	0224 17:30	0225 14:38	MG
Lead, Total	2.0	mg/kg	2.0	1	6010B	0224 17:30	0225 14:38	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0226 15:15	0227 12:44	DM
Nickel, Total	9.9	mg/kg	0.99	1	6010B	0224 17:30	0225 14:38	MG
Selenium, Total	ND	mg/kg	0.80	1	6010B	0224 17:30	0228 08:03	RW
Silver, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 14:38	MG
Thallium, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 14:38	MG
Zinc, Total	27.	mg/kg	2.0	1	6010B	0224 17:30	0225 14:38	MG
Extractable Total Petroleum Hydrocarbons				11	3-99	0224 15:10	0226 16:20	BW
ETPH-CT	960000	ug/kg	25000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	74.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-02
PE345-CU/D/W(GRATE)
Sample Matrix: SOLID

Date Collected: 06-FEB-2003 15:12
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	0.53	mg/kg	0.25	1	9010B	0224 16:30	0226 11:24	ED
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 14:43	MG
Arsenic, Total	2.5	mg/kg	0.40	1	6010B	0224 17:30	0225 14:43	MG
Beryllium, Total	0.24	mg/kg	0.20	1	6010B	0224 17:30	0225 14:43	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 14:43	MG
Chromium, Total	18.	mg/kg	0.40	1	6010B	0224 17:30	0225 14:43	MG
Copper, Total	53.	mg/kg	0.40	1	6010B	0224 17:30	0225 14:43	MG
Lead, Total	2.2	mg/kg	2.0	1	6010B	0224 17:30	0225 14:43	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	0226 15:15	0227 12:44	DM
Nickel, Total	10.	mg/kg	0.99	1	6010B	0224 17:30	0225 14:43	MG
Selenium, Total	ND	mg/kg	0.79	1	6010B	0224 17:30	0228 08:07	RW
Silver, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 14:43	MG
Thallium, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 14:43	MG
Zinc, Total	26.	mg/kg	2.0	1	6010B	0224 17:30	0225 14:43	MG
Extractable Total Petroleum Hydrocarbons				11	3-99	0224 15:10	0226 17:26	BW
ETPH-CT	7400000	ug/kg	100000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	ND	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-03
PE346-CU/D/W(S)
Sample Matrix: SOLID

Date Collected: 06-FEB-2003 15:38
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/kg	0.25	1	9010B	0224 16:30	0226 11:24	ED
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 14:48	MG
Arsenic, Total	2.3	mg/kg	0.40	1	6010B	0224 17:30	0225 14:48	MG
Beryllium, Total	0.20	mg/kg	0.20	1	6010B	0224 17:30	0225 14:48	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 14:48	MG
Chromium, Total	17.	mg/kg	0.40	1	6010B	0224 17:30	0225 14:48	MG
Copper, Total	24.	mg/kg	0.40	1	6010B	0224 17:30	0225 14:48	MG
Lead, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 14:48	MG
Mercury, Total	ND	mg/kg	0.07	1	7471A	0226 15:15	0227 12:44	DM
Nickel, Total	8.8	mg/kg	0.99	1	6010B	0224 17:30	0225 14:48	MG
Selenium, Total	ND	mg/kg	0.80	1	6010B	0224 17:30	0228 08:11	RW
Silver, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 14:48	MG
Thallium, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 14:48	MG
Zinc, Total	24.	mg/kg	2.0	1	6010B	0224 17:30	0225 14:48	MG
Extractable Total Petroleum Hydrocarbons				11	3-99	0224 15:10	0228 08:11	BW
ETPH-CT	2700000	ug/kg	50000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	91.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-04
PE347-PCLDRAIN
Sample Matrix: SOLID

Date Collected: 07-FEB-2003 10:15
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

Comments:
Results are reported on an 'AS RECEIVED' basis.

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	0.99	mg/kg	0.24	1	9010B	0224 16:30	0226 11:25	ED
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 14:53	MG
Arsenic, Total	2.7	mg/kg	0.40	1	6010B	0224 17:30	0225 14:53	MG
Beryllium, Total	0.34	mg/kg	0.20	1	6010B	0224 17:30	0225 14:53	MG
Cadmium, Total	0.67	mg/kg	0.40	1	6010B	0224 17:30	0225 14:53	MG
Chromium, Total	26.	mg/kg	0.40	1	6010B	0224 17:30	0225 14:53	MG
Copper, Total	120	mg/kg	0.40	1	6010B	0224 17:30	0225 14:53	MG
Lead, Total	4.1	mg/kg	2.0	1	6010B	0224 17:30	0225 14:53	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0226 15:15	0227 12:44	DM
Nickel, Total	12.	mg/kg	0.99	1	6010B	0224 17:30	0225 14:53	MG
Selenium, Total	ND	mg/kg	0.79	1	6010B	0224 17:30	0228 08:15	RW
Silver, Total	0.95	mg/kg	0.40	1	6010B	0224 17:30	0225 14:53	MG
Thallium, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 14:53	MG
Zinc, Total	32.	mg/kg	2.0	1	6010B	0224 17:30	0225 14:53	MG
Extractable Total Petroleum Hydrocarbons				11	3-99	0224 15:10	0227 13:15	BW
ETPH-CT	1300000	ug/kg	25000					
Surrogate(s)	Recovery		QC Criteria					
o-Terphenyl	86.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-05
PE271-CYNCW1
Sample Matrix: WATER

Date Collected: 04-FEB-2003 12:00
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:04	ED
Total Metals				1	3015			
Aluminum, Total	0.15	mg/l	0.10	1	6010B	0224 12:00	0225 10:10	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 10:10	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 10:10	RW
Barium, Total	0.03	mg/l	0.01	1	6010B	0224 12:00	0225 10:10	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:10	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:10	RW
Calcium, Total	16.	mg/l	0.10	1	6010B	0224 12:00	0225 10:10	RW
Chromium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 10:10	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 10:10	RW
Copper, Total	0.01	mg/l	0.01	1	6010B	0224 12:00	0225 10:10	RW
Iron, Total	0.24	mg/l	0.05	1	6010B	0224 12:00	0225 10:10	RW
Lead, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 10:10	RW
Magnesium, Total	2.5	mg/l	0.10	1	6010B	0224 12:00	0225 10:10	RW
Manganese, Total	0.03	mg/l	0.01	1	6010B	0224 12:00	0225 10:10	RW
Mercury, Total	ND	mg/l	0.0005	1	7470A	0225 17:00	0227 11:27	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0224 12:00	0225 10:10	RW
Potassium, Total	ND	mg/l	2.5	1	6010B	0224 12:00	0225 10:10	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 10:10	RW
Silver, Total	ND	mg/l	0.007	1	6010B	0224 12:00	0225 10:10	RW
Sodium, Total	21.	mg/l	4.0	1	6010B	0224 12:00	0225 12:15	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:10	RW
Vanadium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 10:10	RW
Zinc, Total	ND	mg/l	0.05	1	6010B	0224 12:00	0225 10:10	RW
Volatile Organics by GC/MS 8260				1	8260B		0225 15:33	AR
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0301634-05
PE271-CYNCW1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0225 15:33	AR
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	13.	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	5.1	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	14.	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0301634-05
PE271-CYNCW1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0225 15:33	AR
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	96.0	%	
Toluene-d8	99.0	%	
4-Bromofluorobenzene	105.	%	
Dibromofluoromethane	95.0	%	

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-06
PE272-EH
Sample Matrix: WATER

Date Collected: 04-FEB-2003 14:00
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:05	ED
Total Metals				1	3015			
Aluminum, Total	1.2	mg/l	0.10	1	6010B	0224 12:00	0225 10:18	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 10:18	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 10:18	RW
Barium, Total	0.04	mg/l	0.01	1	6010B	0224 12:00	0225 10:18	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:18	RW
Cadmium, Total	0.007	mg/l	0.005	1	6010B	0224 12:00	0225 10:18	RW
Calcium, Total	25.	mg/l	0.10	1	6010B	0224 12:00	0225 10:18	RW
Chromium, Total	0.10	mg/l	0.01	1	6010B	0224 12:00	0225 10:18	RW
Cobalt, Total	0.02	mg/l	0.02	1	6010B	0224 12:00	0225 10:18	RW
Copper, Total	0.57	mg/l	0.01	1	6010B	0224 12:00	0225 10:18	RW
Iron, Total	3.3	mg/l	0.05	1	6010B	0224 12:00	0225 10:18	RW
Lead, Total	0.045	mg/l	0.010	1	6010B	0224 12:00	0225 10:18	RW
Magnesium, Total	3.7	mg/l	0.10	1	6010B	0224 12:00	0225 10:18	RW
Manganese, Total	0.19	mg/l	0.01	1	6010B	0224 12:00	0225 10:18	RW
Mercury, Total	ND	mg/l	0.0005	1	7470A	0225 17:00	0227 11:29	DM
Nickel, Total	0.694	mg/l	0.025	1	6010B	0224 12:00	0225 10:18	RW
Potassium, Total	4.2	mg/l	2.5	1	6010B	0224 12:00	0225 10:18	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 10:18	RW
Silver, Total	ND	mg/l	0.007	1	6010B	0224 12:00	0225 10:18	RW
Sodium, Total	68.	mg/l	20.	1	6010B	0224 12:00	0225 12:23	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:18	RW
Vanadium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 10:18	RW
Zinc, Total	0.40	mg/l	0.05	1	6010B	0224 12:00	0225 10:18	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-07
PE273-B1
Sample Matrix: WATER

Date Collected: 04-FEB-2003 15:10
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:06	ED
Total Metals				1	3015			
Aluminum, Total	15.	mg/l	0.10	1	6010B	0224 12:00	0225 10:34	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 10:34	RW
Arsenic, Total	0.012	mg/l	0.010	1	6010B	0224 12:00	0225 10:34	RW
Barium, Total	1.9	mg/l	0.01	1	6010B	0224 12:00	0225 10:34	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:34	RW
Cadmium, Total	0.006	mg/l	0.005	1	6010B	0224 12:00	0225 10:34	RW
Calcium, Total	28.	mg/l	0.10	1	6010B	0224 12:00	0225 10:34	RW
Chromium, Total	0.40	mg/l	0.01	1	6010B	0224 12:00	0225 10:34	RW
Cobalt, Total	0.08	mg/l	0.02	1	6010B	0224 12:00	0225 10:34	RW
Copper, Total	0.42	mg/l	0.01	1	6010B	0224 12:00	0225 10:34	RW
Iron, Total	7.7	mg/l	0.05	1	6010B	0224 12:00	0225 10:34	RW
Lead, Total	3.77	mg/l	0.010	1	6010B	0224 12:00	0225 10:34	RW
Magnesium, Total	4.8	mg/l	0.10	1	6010B	0224 12:00	0225 10:34	RW
Manganese, Total	0.22	mg/l	0.01	1	6010B	0224 12:00	0225 10:34	RW
Mercury, Total	0.0009	mg/l	0.0005	1	7470A	0225 17:00	0227 11:32	DM
Nickel, Total	1.25	mg/l	0.025	1	6010B	0224 12:00	0225 10:34	RW
Potassium, Total	4.6	mg/l	2.5	1	6010B	0224 12:00	0225 10:34	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 10:34	RW
Silver, Total	0.078	mg/l	0.007	1	6010B	0224 12:00	0225 10:34	RW
Sodium, Total	41.	mg/l	10.	1	6010B	0224 12:00	0225 12:31	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:34	RW
Vanadium, Total	0.01	mg/l	0.01	1	6010B	0224 12:00	0225 10:34	RW
Zinc, Total	0.36	mg/l	0.05	1	6010B	0224 12:00	0225 10:34	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-08
PE274-FP
Sample Matrix: WATER

Date Collected: 04-FEB-2003 15:25
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:29	ED
Total Metals				1	3015			
Aluminum, Total	0.20	mg/l	0.10	1	6010B	0224 12:00	0225 13:42	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 13:42	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 13:42	RW
Barium, Total	6.6	mg/l	0.01	1	6010B	0224 12:00	0225 13:42	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 13:42	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 13:42	RW
Calcium, Total	16.	mg/l	0.10	1	6010B	0224 12:00	0225 13:42	RW
Chromium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 13:42	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 13:42	RW
Copper, Total	0.02	mg/l	0.01	1	6010B	0224 12:00	0225 13:42	RW
Iron, Total	1.2	mg/l	0.05	1	6010B	0224 12:00	0225 13:42	RW
Lead, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 13:42	RW
Magnesium, Total	2.4	mg/l	0.10	1	6010B	0224 12:00	0225 13:42	RW
Manganese, Total	0.04	mg/l	0.01	1	6010B	0224 12:00	0225 13:42	RW
Mercury, Total	ND	mg/l	0.0005	1	7470A	0225 17:00	0227 11:38	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0224 12:00	0225 13:42	RW
Potassium, Total	ND	mg/l	2.5	1	6010B	0224 12:00	0225 13:42	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 13:42	RW
Silver, Total	ND	mg/l	0.007	1	6010B	0224 12:00	0225 13:42	RW
Sodium, Total	21.	mg/l	4.0	1	6010B	0224 12:00	0225 12:35	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 13:42	RW
Vanadium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 13:42	RW
Zinc, Total	ND	mg/l	0.05	1	6010B	0224 12:00	0225 13:42	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-09
PE275-WT4
Sample Matrix: WATER

Date Collected: 05-FEB-2003 11:00
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:07	ED
Total Metals				1	3015			
Aluminum, Total	10.	mg/l	0.10	1	6010B	0224 12:00	0225 14:08	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 14:08	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 14:08	RW
Barium, Total	0.04	mg/l	0.01	1	6010B	0224 12:00	0225 14:08	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 14:08	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 14:08	RW
Calcium, Total	18.	mg/l	0.10	1	6010B	0224 12:00	0225 14:08	RW
Chromium, Total	0.04	mg/l	0.01	1	6010B	0224 12:00	0225 14:08	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 14:08	RW
Copper, Total	0.31	mg/l	0.01	1	6010B	0224 12:00	0225 14:08	RW
Iron, Total	1.4	mg/l	0.05	1	6010B	0224 12:00	0225 14:08	RW
Lead, Total	0.017	mg/l	0.010	1	6010B	0224 12:00	0225 14:08	RW
Magnesium, Total	3.2	mg/l	0.10	1	6010B	0224 12:00	0225 14:08	RW
Manganese, Total	0.07	mg/l	0.01	1	6010B	0224 12:00	0225 14:08	RW
Mercury, Total	ND	mg/l	0.0005	1	7470A	0225 17:00	0227 11:42	DM
Nickel, Total	0.025	mg/l	0.025	1	6010B	0224 12:00	0225 14:08	RW
Potassium, Total	2.6	mg/l	2.5	1	6010B	0224 12:00	0225 14:08	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 14:08	RW
Silver, Total	ND	mg/l	0.007	1	6010B	0224 12:00	0225 14:08	RW
Sodium, Total	30.	mg/l	4.0	1	6010B	0224 12:00	0225 12:39	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 14:08	RW
Vanadium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 14:08	RW
Zinc, Total	1.0	mg/l	0.05	1	6010B	0224 12:00	0225 14:08	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-10
PE276-WT3
Sample Matrix: WATER

Date Collected: 06-FEB-2003 10:00
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:10	ED
Total Metals				1	3015			
Aluminum, Total	1.3	mg/l	0.10	1	6010B	0224 12:00	0225 10:45	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 10:45	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 10:45	RW
Barium, Total	0.46	mg/l	0.01	1	6010B	0224 12:00	0225 10:45	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:45	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:45	RW
Calcium, Total	12.	mg/l	0.10	1	6010B	0224 12:00	0225 10:45	RW
Chromium, Total	0.24	mg/l	0.01	1	6010B	0224 12:00	0225 10:45	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 10:45	RW
Copper, Total	0.38	mg/l	0.01	1	6010B	0224 12:00	0225 10:45	RW
Iron, Total	4.2	mg/l	0.05	1	6010B	0224 12:00	0225 10:45	RW
Lead, Total	0.272	mg/l	0.010	1	6010B	0224 12:00	0225 10:45	RW
Magnesium, Total	4.4	mg/l	0.10	1	6010B	0224 12:00	0225 10:45	RW
Manganese, Total	0.09	mg/l	0.01	1	6010B	0224 12:00	0225 10:45	RW
Mercury, Total	0.0012	mg/l	0.0005	1	7470A	0225 17:00	0227 11:43	DM
Nickel, Total	0.176	mg/l	0.025	1	6010B	0224 12:00	0225 10:45	RW
Potassium, Total	ND	mg/l	2.5	1	6010B	0224 12:00	0225 10:45	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 10:45	RW
Silver, Total	0.085	mg/l	0.007	1	6010B	0224 12:00	0225 10:45	RW
Sodium, Total	19.	mg/l	2.0	1	6010B	0224 12:00	0225 10:45	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:45	RW
Vanadium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 10:45	RW
Zinc, Total	0.94	mg/l	0.05	1	6010B	0224 12:00	0225 10:45	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-11
PE277-WT2
Sample Matrix: WATER

Date Collected: 06-FEB-2003 14:50
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:12	ED
Total Metals				1	3015			
Aluminum, Total	0.74	mg/l	0.10	1	6010B	0224 12:00	0225 10:49	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 10:49	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 10:49	RW
Barium, Total	0.05	mg/l	0.01	1	6010B	0224 12:00	0225 10:49	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:49	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:49	RW
Calcium, Total	11.	mg/l	0.10	1	6010B	0224 12:00	0225 10:49	RW
Chromium, Total	0.04	mg/l	0.01	1	6010B	0224 12:00	0225 10:49	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 10:49	RW
Copper, Total	0.24	mg/l	0.01	1	6010B	0224 12:00	0225 10:49	RW
Iron, Total	1.6	mg/l	0.05	1	6010B	0224 12:00	0225 10:49	RW
Lead, Total	0.457	mg/l	0.010	1	6010B	0224 12:00	0225 10:49	RW
Magnesium, Total	4.4	mg/l	0.10	1	6010B	0224 12:00	0225 10:49	RW
Manganese, Total	0.06	mg/l	0.01	1	6010B	0224 12:00	0225 10:49	RW
Mercury, Total	0.0011	mg/l	0.0005	1	7470A	0225 17:00	0227 11:45	DM
Nickel, Total	0.214	mg/l	0.025	1	6010B	0224 12:00	0225 10:49	RW
Potassium, Total	ND	mg/l	2.5	1	6010B	0224 12:00	0225 10:49	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 10:49	RW
Silver, Total	0.033	mg/l	0.007	1	6010B	0224 12:00	0225 10:49	RW
Sodium, Total	11.	mg/l	2.0	1	6010B	0224 12:00	0225 10:49	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 10:49	RW
Vanadium, Total	0.01	mg/l	0.01	1	6010B	0224 12:00	0225 10:49	RW
Zinc, Total	0.72	mg/l	0.05	1	6010B	0224 12:00	0225 10:49	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-12
PE278-CYNCW2
Sample Matrix: WATER

Date Collected: 06-FEB-2003 09:15
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:13	ED
Total Metals				1	3015			
Aluminum, Total	0.91	mg/l	0.10	1	6010B	0224 12:00	0225 11:04	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 11:04	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 11:04	RW
Barium, Total	0.02	mg/l	0.01	1	6010B	0224 12:00	0225 11:04	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:04	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:04	RW
Calcium, Total	12.	mg/l	0.10	1	6010B	0224 12:00	0225 11:04	RW
Chromium, Total	0.05	mg/l	0.01	1	6010B	0224 12:00	0225 11:04	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 11:04	RW
Copper, Total	0.26	mg/l	0.01	1	6010B	0224 12:00	0225 11:04	RW
Iron, Total	2.0	mg/l	0.05	1	6010B	0224 12:00	0225 11:04	RW
Lead, Total	0.025	mg/l	0.010	1	6010B	0224 12:00	0225 11:04	RW
Magnesium, Total	4.8	mg/l	0.10	1	6010B	0224 12:00	0225 11:04	RW
Manganese, Total	0.08	mg/l	0.01	1	6010B	0224 12:00	0225 11:04	RW
Mercury, Total	ND	mg/l	0.0005	1	7470A	0225 17:00	0227 11:47	DM
Nickel, Total	0.107	mg/l	0.025	1	6010B	0224 12:00	0225 11:04	RW
Potassium, Total	ND	mg/l	2.5	1	6010B	0224 12:00	0225 11:04	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 11:04	RW
Silver, Total	ND	mg/l	0.007	1	6010B	0224 12:00	0225 11:04	RW
Sodium, Total	11.	mg/l	2.0	1	6010B	0224 12:00	0225 11:04	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:04	RW
Vanadium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 11:04	RW
Zinc, Total	1.1	mg/l	0.05	1	6010B	0224 12:00	0225 11:04	RW
Volatile Organics by GC/MS 8260				1	8260B		0225 16:48	AR
Methylene chloride	ND	ug/l	100					
1,1-Dichloroethane	ND	ug/l	15.					
Chloroform	ND	ug/l	15.					
Carbon tetrachloride	ND	ug/l	10.					
1,2-Dichloropropane	ND	ug/l	35.					
Dibromochloromethane	ND	ug/l	10.					
1,1,2-Trichloroethane	ND	ug/l	15.					
Tetrachloroethene	ND	ug/l	10.					
Chlorobenzene	ND	ug/l	10.					
Trichlorofluoromethane	ND	ug/l	50.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0301634-12
PE278-CYNCW2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0225 16:48	AR
1,2-Dichloroethane	ND	ug/l	10.					
1,1,1-Trichloroethane	ND	ug/l	10.					
Bromodichloromethane	ND	ug/l	10.					
trans-1,3-Dichloropropene	ND	ug/l	10.					
cis-1,3-Dichloropropene	ND	ug/l	10.					
1,1-Dichloropropene	ND	ug/l	50.					
Bromoform	ND	ug/l	40.					
1,1,2,2-Tetrachloroethane	ND	ug/l	10.					
Benzene	ND	ug/l	10.					
Toluene	ND	ug/l	15.					
Ethylbenzene	ND	ug/l	10.					
Chloromethane	ND	ug/l	50.					
Bromomethane	ND	ug/l	20.					
Vinyl chloride	ND	ug/l	20.					
Chloroethane	ND	ug/l	20.					
1,1-Dichloroethene	ND	ug/l	10.					
trans-1,2-Dichloroethene	ND	ug/l	15.					
Trichloroethene	ND	ug/l	10.					
1,2-Dichlorobenzene	ND	ug/l	50.					
1,3-Dichlorobenzene	ND	ug/l	50.					
1,4-Dichlorobenzene	ND	ug/l	50.					
Methyl tert butyl ether	ND	ug/l	20.					
p/m-Xylene	ND	ug/l	10.					
o-Xylene	ND	ug/l	10.					
cis-1,2-Dichloroethene	ND	ug/l	10.					
Dibromomethane	ND	ug/l	100					
1,4-Dichlorobutane	ND	ug/l	100					
Iodomethane	ND	ug/l	100					
1,2,3-Trichloropropane	ND	ug/l	100					
Styrene	ND	ug/l	10.					
Dichlorodifluoromethane	ND	ug/l	100					
Acetone	ND	ug/l	100					
Carbon disulfide	ND	ug/l	100					
2-Butanone	ND	ug/l	100					
Vinyl acetate	ND	ug/l	100					
4-Methyl-2-pentanone	ND	ug/l	100					
2-Hexanone	ND	ug/l	100					
Ethyl methacrylate	ND	ug/l	100					
Acrolein	ND	ug/l	250					
Acrylonitrile	ND	ug/l	100					
Bromochloromethane	ND	ug/l	50.					
Tetrahydrofuran	940	ug/l	200					
2,2-Dichloropropane	ND	ug/l	50.					
1,2-Dibromoethane	ND	ug/l	50.					
1,3-Dichloropropane	ND	ug/l	50.					
1,1,1,2-Tetrachloroethane	ND	ug/l	10.					
Bromobenzene	ND	ug/l	50.					
n-Butylbenzene	ND	ug/l	10.					
sec-Butylbenzene	ND	ug/l	10.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0301634-12
PE278-CYNCW2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0225 16:48	AR
tert-Butylbenzene	ND	ug/l	50.					
o-Chlorotoluene	ND	ug/l	50.					
p-Chlorotoluene	ND	ug/l	50.					
1,2-Dibromo-3-chloropropane	ND	ug/l	50.					
Hexachlorobutadiene	ND	ug/l	50.					
Isopropylbenzene	ND	ug/l	10.					
p-Isopropyltoluene	ND	ug/l	10.					
Naphthalene	ND	ug/l	50.					
n-Propylbenzene	ND	ug/l	10.					
1,2,3-Trichlorobenzene	ND	ug/l	50.					
1,2,4-Trichlorobenzene	ND	ug/l	50.					
1,3,5-Trimethylbenzene	ND	ug/l	50.					
1,2,4-Trimethylbenzene	ND	ug/l	50.					
trans-1,4-Dichloro-2-butene	ND	ug/l	50.					
Ethyl ether	ND	ug/l	50.					

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	99.0	%	
Toluene-d8	99.0	%	
4-Bromofluorobenzene	106.	%	
Dibromofluoromethane	101.	%	

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-13
PE279-WT1
Sample Matrix: WATER

Date Collected: 07-FEB-2003 09:27
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:14	ED
Total Metals				1	3015			
Aluminum, Total	0.87	mg/l	0.10	1	6010B	0224 12:00	0225 11:07	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 11:07	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 11:07	RW
Barium, Total	0.48	mg/l	0.01	1	6010B	0224 12:00	0225 11:07	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:07	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:07	RW
Calcium, Total	11.	mg/l	0.10	1	6010B	0224 12:00	0225 11:07	RW
Chromium, Total	0.47	mg/l	0.01	1	6010B	0224 12:00	0225 11:07	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 11:07	RW
Copper, Total	0.25	mg/l	0.01	1	6010B	0224 12:00	0225 11:07	RW
Iron, Total	2.9	mg/l	0.05	1	6010B	0224 12:00	0225 11:07	RW
Lead, Total	0.109	mg/l	0.010	1	6010B	0224 12:00	0225 11:07	RW
Magnesium, Total	4.6	mg/l	0.10	1	6010B	0224 12:00	0225 11:07	RW
Manganese, Total	0.08	mg/l	0.01	1	6010B	0224 12:00	0225 11:07	RW
Mercury, Total	0.0028	mg/l	0.0005	1	7470A	0225 17:00	0227 11:51	DM
Nickel, Total	0.584	mg/l	0.025	1	6010B	0224 12:00	0225 11:07	RW
Potassium, Total	ND	mg/l	2.5	1	6010B	0224 12:00	0225 11:07	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 11:07	RW
Silver, Total	0.142	mg/l	0.007	1	6010B	0224 12:00	0225 11:07	RW
Sodium, Total	19.	mg/l	2.0	1	6010B	0224 12:00	0225 11:07	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:07	RW
Vanadium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 11:07	RW
Zinc, Total	0.61	mg/l	0.05	1	6010B	0224 12:00	0225 11:07	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-14
PE280-C1
Sample Matrix: WATER

Date Collected: 07-FEB-2003 10:45
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:14	ED
Total Metals				1	3015			
Aluminum, Total	2.2	mg/l	0.10	1	6010B	0224 12:00	0225 11:11	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 11:11	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 11:11	RW
Barium, Total	1.7	mg/l	0.01	1	6010B	0224 12:00	0225 11:11	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:11	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:11	RW
Calcium, Total	12.	mg/l	0.10	1	6010B	0224 12:00	0225 11:11	RW
Chromium, Total	0.59	mg/l	0.01	1	6010B	0224 12:00	0225 11:11	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 11:11	RW
Copper, Total	0.61	mg/l	0.01	1	6010B	0224 12:00	0225 11:11	RW
Iron, Total	8.6	mg/l	0.05	1	6010B	0224 12:00	0225 11:11	RW
Lead, Total	0.500	mg/l	0.010	1	6010B	0224 12:00	0225 11:11	RW
Magnesium, Total	5.6	mg/l	0.10	1	6010B	0224 12:00	0225 11:11	RW
Manganese, Total	0.16	mg/l	0.01	1	6010B	0224 12:00	0225 11:11	RW
Mercury, Total	ND	mg/l	0.0005	1	7470A	0225 17:00	0227 11:52	DM
Nickel, Total	0.544	mg/l	0.025	1	6010B	0224 12:00	0225 11:11	RW
Potassium, Total	ND	mg/l	2.5	1	6010B	0224 12:00	0225 11:11	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 11:11	RW
Silver, Total	0.008	mg/l	0.007	1	6010B	0224 12:00	0225 11:11	RW
Sodium, Total	18.	mg/l	2.0	1	6010B	0224 12:00	0225 11:11	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:11	RW
Vanadium, Total	0.01	mg/l	0.01	1	6010B	0224 12:00	0225 11:11	RW
Zinc, Total	1.4	mg/l	0.05	1	6010B	0224 12:00	0225 11:11	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-15
PE281-CYNCW3
Sample Matrix: WATER

Date Collected: 19-FEB-2003 11:40
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0227 16:30	0228 10:46	ED
Total Metals				1	3015			
Aluminum, Total	0.14	mg/l	0.10	1	6010B	0224 12:00	0225 14:12	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 14:12	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 14:12	RW
Barium, Total	0.01	mg/l	0.01	1	6010B	0224 12:00	0225 14:12	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 14:12	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 14:12	RW
Calcium, Total	11.	mg/l	0.10	1	6010B	0224 12:00	0225 14:12	RW
Chromium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 14:12	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 14:12	RW
Copper, Total	0.01	mg/l	0.01	1	6010B	0224 12:00	0225 14:12	RW
Iron, Total	0.09	mg/l	0.05	1	6010B	0224 12:00	0225 14:12	RW
Lead, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 14:12	RW
Magnesium, Total	2.8	mg/l	0.10	1	6010B	0224 12:00	0225 14:12	RW
Manganese, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 14:12	RW
Mercury, Total	ND	mg/l	0.0005	1	7470A	0225 17:00	0227 11:54	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0224 12:00	0225 14:12	RW
Potassium, Total	20.	mg/l	2.5	1	6010B	0224 12:00	0225 14:12	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 14:12	RW
Silver, Total	ND	mg/l	0.007	1	6010B	0224 12:00	0225 14:12	RW
Sodium, Total	14.	mg/l	2.0	1	6010B	0224 12:00	0225 14:12	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 14:12	RW
Vanadium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 14:12	RW
Zinc, Total	ND	mg/l	0.05	1	6010B	0224 12:00	0225 14:12	RW
Volatile Organics by GC/MS 8260				1	8260B		0225 16:11	AR
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	4.9	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	2.4	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0301634-15
PE281-CYNCW3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0225 16:11	AR
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	3.0	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	0.50					
o-Xylene	ND	ug/l	0.50					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,4-Dichlorobutane	ND	ug/l	5.0					
Iodomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	0.50					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Ethyl methacrylate	ND	ug/l	5.0					
Acrolein	ND	ug/l	12.					
Acrylonitrile	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
Tetrahydrofuran	ND	ug/l	10.					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.5					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0301634-15
PE281-CYNCW3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1	8260B		0225 16:11	AR
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	2.5					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5					
Ethyl ether	ND	ug/l	2.5					

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	98.0	%	
Toluene-d8	100.	%	
4-Bromofluorobenzene	104.	%	
Dibromofluoromethane	101.	%	

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-16
PE282-VC1
Sample Matrix: WATER

Date Collected: 19-FEB-2003 13:30
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	mg/l	0.005	1	9010B	0227 16:30	0228 10:47	ED
Total Metals				1	3015			
Aluminum, Total	6.1	mg/l	0.10	1	6010B	0224 12:00	0225 11:19	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 11:19	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 11:19	RW
Barium, Total	0.04	mg/l	0.01	1	6010B	0224 12:00	0225 11:19	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:19	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:19	RW
Calcium, Total	12.	mg/l	0.10	1	6010B	0224 12:00	0225 11:19	RW
Chromium, Total	0.05	mg/l	0.01	1	6010B	0224 12:00	0225 11:19	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 11:19	RW
Copper, Total	0.08	mg/l	0.01	1	6010B	0224 12:00	0225 11:19	RW
Iron, Total	1.8	mg/l	0.05	1	6010B	0224 12:00	0225 11:19	RW
Lead, Total	0.012	mg/l	0.010	1	6010B	0224 12:00	0225 11:19	RW
Magnesium, Total	3.2	mg/l	0.10	1	6010B	0224 12:00	0225 11:19	RW
Manganese, Total	0.03	mg/l	0.01	1	6010B	0224 12:00	0225 11:19	RW
Mercury, Total	ND	mg/l	0.0005	1	7470A	0225 17:00	0227 11:56	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0224 12:00	0225 11:19	RW
Potassium, Total	22.	mg/l	2.5	1	6010B	0224 12:00	0225 11:19	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 11:19	RW
Silver, Total	ND	mg/l	0.007	1	6010B	0224 12:00	0225 11:19	RW
Sodium, Total	31.	mg/l	4.0	1	6010B	0224 12:00	0225 13:38	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 11:19	RW
Vanadium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 11:19	RW
Zinc, Total	0.11	mg/l	0.05	1	6010B	0224 12:00	0225 11:19	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-17
PE283-WT3
Sample Matrix: WIPE

Date Collected: 20-FEB-2003 13:12
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	0.96	ug Abs	0.25	1	9010B	0227 16:30	0228 10:53	ED
Total Metals				1	3051			
Arsenic, Total	1.7	ug Abs	0.50	1	6010B	0224 17:00	0225 10:57	MG
Barium, Total	220	ug Abs	0.50	1	6010B	0224 17:00	0225 10:57	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 10:57	MG
Chromium, Total	31.	ug Abs	0.50	1	6010B	0224 17:00	0225 10:57	MG
Copper, Total	6.8	ug Abs	0.50	1	6010B	0224 17:00	0225 10:57	MG
Iron, Total	160	ug Abs	2.5	1	6010B	0224 17:00	0225 10:57	MG
Lead, Total	24.	ug Abs	2.5	1	6010B	0224 17:00	0225 10:57	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0227 19:00	0228 10:09	DM
Nickel, Total	6.7	ug Abs	1.2	1	6010B	0224 17:00	0225 10:57	MG
Selenium, Total	ND	ug Abs	1.0	1	6010B	0224 17:00	0225 10:57	MG
Silver, Total	4.1	ug Abs	0.50	1	6010B	0224 17:00	0225 10:57	MG
Zinc, Total	36.	ug Abs	2.5	1	6010B	0224 17:00	0225 10:57	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-18
PE284-WT2
Sample Matrix: WIPE

Date Collected: 20-FEB-2003 13:20
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	1.7	ug Abs	0.25	1	9010B	0227 16:30	0228 10:54	ED
Total Metals				1	3051			
Arsenic, Total	0.53	ug Abs	0.50	1	6010B	0224 17:00	0225 11:02	MG
Barium, Total	65.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:02	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:02	MG
Chromium, Total	18.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:02	MG
Copper, Total	25.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:02	MG
Iron, Total	9000	ug Abs	2.5	1	6010B	0224 17:00	0225 11:02	MG
Lead, Total	35.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:02	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0227 19:00	0228 10:09	DM
Nickel, Total	23.	ug Abs	1.2	1	6010B	0224 17:00	0225 11:02	MG
Selenium, Total	ND	ug Abs	1.0	1	6010B	0224 17:00	0225 11:02	MG
Silver, Total	5.0	ug Abs	0.50	1	6010B	0224 17:00	0225 11:02	MG
Zinc, Total	85.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:02	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-19
PE285-WT1
Sample Matrix: WIPE

Date Collected: 20-FEB-2003 13:24
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	1.4	ug Abs	0.25	1	9010B	0227 16:30	0228 10:55	ED
Total Metals				1	3051			
Arsenic, Total	0.83	ug Abs	0.50	1	6010B	0224 17:00	0225 11:07	MG
Barium, Total	54.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:07	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:07	MG
Chromium, Total	99.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:07	MG
Copper, Total	18.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:07	MG
Iron, Total	8200	ug Abs	2.5	1	6010B	0224 17:00	0225 11:07	MG
Lead, Total	25.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:07	MG
Mercury, Total	0.110	ug Abs	0.050	1	7471A	0227 19:00	0228 10:09	DM
Nickel, Total	45.	ug Abs	1.2	1	6010B	0224 17:00	0225 11:07	MG
Selenium, Total	ND	ug Abs	1.0	1	6010B	0224 17:00	0225 11:07	MG
Silver, Total	4.2	ug Abs	0.50	1	6010B	0224 17:00	0225 11:07	MG
Zinc, Total	170	ug Abs	2.5	1	6010B	0224 17:00	0225 11:07	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-20
PE286-VC1
Sample Matrix: WIPE

Date Collected: 20-FEB-2003 13:05
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0227 16:30	0228 10:56	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:12	MG
Barium, Total	14.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:12	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:12	MG
Chromium, Total	6.8	ug Abs	0.50	1	6010B	0224 17:00	0225 11:12	MG
Copper, Total	3.0	ug Abs	0.50	1	6010B	0224 17:00	0225 11:12	MG
Iron, Total	99.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:12	MG
Lead, Total	ND	ug Abs	2.5	1	6010B	0224 17:00	0225 11:12	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0227 19:00	0228 10:09	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0224 17:00	0225 11:12	MG
Selenium, Total	ND	ug Abs	1.0	1	6010B	0224 17:00	0225 11:12	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:12	MG
Zinc, Total	23.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:12	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-21
PE287-C1
Sample Matrix: WIPE

Date Collected: 20-FEB-2003 13:03
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	3.9	ug Abs	0.25	1	9010B	0227 16:30	0228 10:57	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:17	MG
Barium, Total	67.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:17	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:17	MG
Chromium, Total	74.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:17	MG
Copper, Total	4.3	ug Abs	0.50	1	6010B	0224 17:00	0225 11:17	MG
Iron, Total	93.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:17	MG
Lead, Total	13.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:17	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0227 19:00	0228 10:09	DM
Nickel, Total	20.	ug Abs	1.2	1	6010B	0224 17:00	0225 11:17	MG
Selenium, Total	ND	ug Abs	1.0	1	6010B	0224 17:00	0225 11:17	MG
Silver, Total	1.2	ug Abs	0.50	1	6010B	0224 17:00	0225 11:17	MG
Zinc, Total	21.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:17	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-22
PE288-B1
Sample Matrix: WIPE

Date Collected: 20-FEB-2003 13:00
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	13.	ug Abs	0.25	1	9010B	0227 16:30	0228 10:57	ED
Total Metals				1	3051			
Arsenic, Total	1.2	ug Abs	0.50	1	6010B	0224 17:00	0225 11:21	MG
Barium, Total	130	ug Abs	0.50	1	6010B	0224 17:00	0225 11:21	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:21	MG
Chromium, Total	19.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:21	MG
Copper, Total	3.2	ug Abs	0.50	1	6010B	0224 17:00	0225 11:21	MG
Iron, Total	73.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:21	MG
Lead, Total	17.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:21	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0227 19:00	0228 10:09	DM
Nickel, Total	32.	ug Abs	1.2	1	6010B	0224 17:00	0225 11:21	MG
Selenium, Total	ND	ug Abs	1.0	1	6010B	0224 17:00	0225 11:21	MG
Silver, Total	1.7	ug Abs	0.50	1	6010B	0224 17:00	0225 11:21	MG
Zinc, Total	92.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:21	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-23
PE289-WT4
Sample Matrix: WIPE

Date Collected: 20-FEB-2003 12:55
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	0.82	ug Abs	0.25	1	9010B	0227 16:30	0228 11:00	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:26	MG
Barium, Total	110	ug Abs	0.50	1	6010B	0224 17:00	0225 11:26	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:26	MG
Chromium, Total	1.5	ug Abs	0.50	1	6010B	0224 17:00	0225 11:26	MG
Copper, Total	2.4	ug Abs	0.50	1	6010B	0224 17:00	0225 11:26	MG
Iron, Total	37.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:26	MG
Lead, Total	ND	ug Abs	2.5	1	6010B	0224 17:00	0225 11:26	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0227 19:00	0228 10:09	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0224 17:00	0225 11:26	MG
Selenium, Total	ND	ug Abs	1.0	1	6010B	0224 17:00	0225 11:26	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:26	MG
Zinc, Total	99.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:26	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0301634-24
PE290-EH
Sample Matrix: WIPE

Date Collected: 20-FEB-2003 13:28
Date Received : 21-FEB-2003
Date Reported : 02-APR-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Cyanide, Total	0.74	ug Abs	0.25	1	9010B	0227 16:30	0228 11:01	ED
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:31	MG
Barium, Total	44.	ug Abs	0.50	1	6010B	0224 17:00	0225 11:31	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:31	MG
Chromium, Total	0.77	ug Abs	0.50	1	6010B	0224 17:00	0225 11:31	MG
Copper, Total	1.6	ug Abs	0.50	1	6010B	0224 17:00	0225 11:31	MG
Iron, Total	27.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:31	MG
Lead, Total	ND	ug Abs	2.5	1	6010B	0224 17:00	0225 11:31	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0227 19:00	0228 10:09	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0224 17:00	0225 11:31	MG
Selenium, Total	ND	ug Abs	1.0	1	6010B	0224 17:00	0225 11:31	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 11:31	MG
Zinc, Total	42.	ug Abs	2.5	1	6010B	0224 17:00	0225 11:31	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0301634

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Cyanide, Total for sample(s) 05-14 (L0301634-10, WG134049)					
Cyanide, Total	ND	ND	mg/l	NC	30
Cyanide, Total for sample(s) 01-04 (L0301634-01, WG134050)					
Cyanide, Total	ND	ND	mg/kg	NC	40
Cyanide, Total for sample(s) 15-16 (L0301634-15, WG134355)					
Cyanide, Total	ND	ND	mg/l	NC	30
Total Metals for sample(s) 05-16 (L0301634-05, WG134104)					
Aluminum, Total	0.15	0.17	mg/l	13	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	0.03	0.03	mg/l	0	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	16.	17.	mg/l	6	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	0.01	0.01	mg/l	6	20
Iron, Total	0.24	0.23	mg/l	4	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	2.5	2.6	mg/l	4	20
Manganese, Total	0.03	0.03	mg/l	3	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	21.	22.	mg/l	5	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01-04 (L0301617-01, WG134097)					
Arsenic, Total	8.0	8.0	mg/kg	0	35
Cadmium, Total	4.3	4.2	mg/kg	2	35
Chromium, Total	54.	55.	mg/kg	2	35
Copper, Total	820	800	mg/kg	2	35
Lead, Total	150	150	mg/kg	0	35
Nickel, Total	31.	32.	mg/kg	3	35
Selenium, Total	ND	ND	mg/kg	NC	35
Zinc, Total	1100	1100	mg/kg	0	35
Total Metals for sample(s) 05-16 (L0301634-06, WG134167)					
Mercury, Total	ND	ND	mg/l	NC	35

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0301634

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Total Metals for sample(s) 01-04 (L0301634-01, WG134279)					
Mercury, Total	ND	ND	mg/kg	NC	45
Extractable Total Petroleum Hydrocarbons for sample(s) 01-04 (L0301634-01, WG134042)					
ETPH-CT	960000	920000	ug/kg	4	
Surrogate(s)	Recovery				QC Criteria
o-Terphenyl	74.0	90.0	%	20	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0301634

Parameter	% Recovery	QC Criteria
Cyanide, Total LCS for sample(s) 05-14 (WG134049)		
Cyanide, Total	91	80-120
Cyanide, Total LCS for sample(s) 01-04 (WG134050)		
Cyanide, Total	101	65-135
Cyanide, Total LCS for sample(s) 15-16 (WG134355)		
Cyanide, Total	98	80-120
Cyanide, Total LCS for sample(s) 17-24 (WG134356)		
Cyanide, Total	95	65-135
Total Metals LCS for sample(s) 05-16 (WG134104)		
Aluminum, Total	110	75-125
Antimony, Total	106	75-125
Arsenic, Total	110	75-125
Barium, Total	105	75-125
Beryllium, Total	105	75-125
Cadmium, Total	111	75-125
Calcium, Total	100	75-125
Chromium, Total	100	75-125
Cobalt, Total	102	75-125
Copper, Total	100	75-125
Iron, Total	110	75-125
Lead, Total	109	75-125
Magnesium, Total	110	75-125
Manganese, Total	102	75-125
Nickel, Total	101	75-125
Potassium, Total	100	75-125
Selenium, Total	115	75-125
Silver, Total	105	75-125
Sodium, Total	110	75-125
Thallium, Total	111	75-125
Vanadium, Total	104	75-125
Zinc, Total	102	75-125
Total Metals LCS for sample(s) 01-04 (WG134097)		
Antimony, Total	100	70-140
Arsenic, Total	109	70-140
Beryllium, Total	105	70-140
Cadmium, Total	108	70-140
Chromium, Total	100	70-140
Copper, Total	99	70-140
Lead, Total	108	70-140
Nickel, Total	100	70-140
Selenium, Total	109	70-140
Silver, Total	100	70-140
Thallium, Total	107	70-140
Zinc, Total	100	70-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0301634

Continued

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 17-24 (WG134098)		
Arsenic, Total	97	70-140
Barium, Total	96	70-140
Cadmium, Total	100	70-140
Chromium, Total	96	70-140
Copper, Total	100	70-140
Iron, Total	100	70-140
Lead, Total	100	70-140
Nickel, Total	96	70-140
Selenium, Total	92	70-140
Silver, Total	88	70-140
Zinc, Total	96	70-140
Total Metals LCS for sample(s) 05-16 (WG134167)		
Mercury, Total	108	70-130
Total Metals LCS for sample(s) 17-24 (WG134343)		
Mercury, Total	100	
Total Metals LCS for sample(s) 01-04 (WG134279)		
Mercury, Total	100	60-140
Volatile Organics by GC/MS 8260 LCS for sample(s) 05,12,15 (WG134213)		
Chlorobenzene	98	
Benzene	96	
Toluene	99	
1,1-Dichloroethene	97	
Trichloroethene	97	
Surrogate(s)		
1,2-Dichloroethane-d4	93	
Toluene-d8	101	
4-Bromofluorobenzene	100	
Dibromofluoromethane	99	
Extractable Total Petroleum Hydrocarbons LCS for sample(s) 01-04 (WG134042)		
ETPH-CT	73	
Surrogate(s)		
o-Terphenyl	119	
Cyanide, Total SPIKE for sample(s) 05-14 (L0301634-14, WG134049)		
Cyanide, Total	84	80-120
Cyanide, Total SPIKE for sample(s) 15-16 (L0301634-16, WG134355)		
Cyanide, Total	92	80-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0301634

Continued

Parameter	% Recovery	QC Criteria
Cyanide, Total SPIKE for sample(s) 01-04 (L0301634-04, WG134050)		
Cyanide, Total	88	65-135
Total Metals SPIKE for sample(s) 05-16 (L0301634-06, WG134104)		
Aluminum, Total	105	75-125
Antimony, Total	96	75-125
Arsenic, Total	103	75-125
Barium, Total	98	75-125
Beryllium, Total	94	75-125
Cadmium, Total	96	75-125
Calcium, Total	60	75-125
Chromium, Total	85	75-125
Cobalt, Total	91	75-125
Copper, Total	68	75-125
Iron, Total	50	75-125
Lead, Total	95	75-125
Magnesium, Total	93	75-125
Manganese, Total	88	75-125
Nickel, Total	73	75-125
Potassium, Total	124	75-125
Selenium, Total	108	75-125
Silver, Total	99	75-125
Sodium, Total	50	75-125
Thallium, Total	88	75-125
Vanadium, Total	94	75-125
Zinc, Total	76	75-125
Total Metals SPIKE for sample(s) 01-04 (L0301617-01, WG134097)		
Antimony, Total	72	70-140
Arsenic, Total	96	70-140
Beryllium, Total	106	70-140
Cadmium, Total	94	70-140
Chromium, Total	82	70-140
Copper, Total	0	70-140
Lead, Total	94	70-140
Nickel, Total	91	70-140
Selenium, Total	161	70-140
Silver, Total	96	70-140
Thallium, Total	68	70-140
Zinc, Total	0	70-140
Total Metals SPIKE for sample(s) 05-16 (L0301634-08, WG134167)		
Mercury, Total	100	70-130
Total Metals SPIKE for sample(s) 01-04 (L0301634-02, WG134279)		
Mercury, Total	110	60-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0301634

Continued

Parameter	% Recovery	QC Criteria
Extractable Total Petroleum Hydrocarbons SPIKE for sample(s) 01-04 (L0301634-01, WG134042)		
ETPH-CT	460	
Surrogate(s)		
o-Terphenyl	117	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0301634

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by GC/MS 8260 for sample(s) 05,12,15 (L0301672-01, WG134213)					
Chlorobenzene	100	97	3		
Benzene	101	96	5		
Toluene	101	97	4		
1,1-Dichloroethene	101	91	11		
Trichloroethene	101	94	7		
Surrogate(s)					
1,2-Dichloroethane-d4	96	97	1		
Toluene-d8	101	100	1		
4-Bromofluorobenzene	101	100	1		
Dibromofluoromethane	98	101	3		

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0301634

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 05-14 (WG134049-2)								
Cyanide, Total	ND	mg/l	0.005	1	9010B	0224 16:30	0226 11:03	ED
Blank Analysis for sample(s) 01-04 (WG134050-2)								
Cyanide, Total	ND	mg/kg	0.23	1	9010B	0224 16:30	0226 11:20	ED
Blank Analysis for sample(s) 15-16 (WG134355-1)								
Cyanide, Total	ND	mg/l	0.005	1	9010B	0227 16:30	0228 10:43	ED
Blank Analysis for sample(s) 17-24 (WG134356-1)								
Cyanide, Total	ND	ug Abs	0.25	1	9010B	0227 16:30	0228 10:51	ED
Blank Analysis for sample(s) 05-16 (WG134104-3)								
Total Metals				1	3015			
Aluminum, Total	ND	mg/l	0.10	1	6010B	0224 12:00	0225 09:54	RW
Antimony, Total	ND	mg/l	0.050	1	6010B	0224 12:00	0225 09:54	RW
Arsenic, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 09:54	RW
Barium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 09:54	RW
Beryllium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 09:54	RW
Cadmium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 09:54	RW
Calcium, Total	ND	mg/l	0.10	1	6010B	0224 12:00	0225 09:54	RW
Chromium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 09:54	RW
Cobalt, Total	ND	mg/l	0.02	1	6010B	0224 12:00	0225 09:54	RW
Copper, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 09:54	RW
Iron, Total	ND	mg/l	0.05	1	6010B	0224 12:00	0225 09:54	RW
Lead, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 09:54	RW
Magnesium, Total	ND	mg/l	0.10	1	6010B	0224 12:00	0225 09:54	RW
Manganese, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 09:54	RW
Nickel, Total	ND	mg/l	0.025	1	6010B	0224 12:00	0225 09:54	RW
Potassium, Total	ND	mg/l	2.5	1	6010B	0224 12:00	0225 09:54	RW
Selenium, Total	ND	mg/l	0.010	1	6010B	0224 12:00	0225 09:54	RW
Silver, Total	ND	mg/l	0.007	1	6010B	0224 12:00	0225 09:54	RW
Sodium, Total	ND	mg/l	2.0	1	6010B	0224 12:00	0225 09:54	RW
Thallium, Total	ND	mg/l	0.005	1	6010B	0224 12:00	0225 09:54	RW
Vanadium, Total	ND	mg/l	0.01	1	6010B	0224 12:00	0225 09:54	RW
Zinc, Total	ND	mg/l	0.05	1	6010B	0224 12:00	0225 09:54	RW
Blank Analysis for sample(s) 01-04 (WG134097-3)								
Total Metals				1	3051			
Antimony, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 13:36	MG
Arsenic, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 13:36	MG
Beryllium, Total	ND	mg/kg	0.20	1	6010B	0224 17:30	0225 13:36	MG
Cadmium, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 13:36	MG

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0301634

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-04 (WG134097-3)								
Total Metals				1	3051			
Chromium, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 13:36	MG
Copper, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 13:36	MG
Lead, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 13:36	MG
Nickel, Total	ND	mg/kg	1.0	1	6010B	0224 17:30	0225 13:36	MG
Selenium, Total	ND	mg/kg	0.80	1	6010B	0224 17:30	0228 07:42	RW
Silver, Total	ND	mg/kg	0.40	1	6010B	0224 17:30	0225 13:36	MG
Thallium, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 13:36	MG
Zinc, Total	ND	mg/kg	2.0	1	6010B	0224 17:30	0225 13:36	MG
Blank Analysis for sample(s) 17-24 (WG134098-1)								
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 10:27	MG
Barium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 10:27	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 10:27	MG
Chromium, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 10:27	MG
Copper, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 10:27	MG
Iron, Total	ND	ug Abs	2.5	1	6010B	0224 17:00	0225 10:27	MG
Lead, Total	ND	ug Abs	2.5	1	6010B	0224 17:00	0225 10:27	MG
Nickel, Total	ND	ug Abs	1.2	1	6010B	0224 17:00	0225 10:27	MG
Selenium, Total	ND	ug Abs	1.0	1	6010B	0224 17:00	0225 10:27	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0224 17:00	0225 10:27	MG
Zinc, Total	ND	ug Abs	2.5	1	6010B	0224 17:00	0225 10:27	MG
Blank Analysis for sample(s) 05-16 (WG134167-4)								
Total Metals								
Mercury, Total	ND	mg/l	0.0005	1	7470A	0225 17:00	0227 11:23	DM
Blank Analysis for sample(s) 01-04 (WG134279-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0226 15:15	0227 12:44	DM
Blank Analysis for sample(s) 17-24 (WG134343-4)								
Total Metals								
Mercury, Total	ND	ug Abs	0.050	1	7471A	0227 19:00	0228 10:09	DM
Blank Analysis for sample(s) 05,12,15 (WG134213-4)								
Volatile Organics by GC/MS 8260				1	8260B		0225 10:05	AR
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0301634

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 05,12,15 (WG134213-4)							
Volatile Organics by GC/MS 8260 continued				1 8260B		0225 10:05	AR
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0301634

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 05,12,15 (WG134213-4)							
Volatile Organics by GC/MS 8260 continued				1 8260B		0225 10:05	AR
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.5				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	2.5				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	95.0	%					
Toluene-d8	100.	%					
4-Bromofluorobenzene	104.	%					
Dibromofluoromethane	98.0	%					
Blank Analysis for sample(s) 01-04 (WG134042-1)							
Extractable Total Petroleum Hydrocarbons				11 3-99	0224 15:10	0225 15:42	BW
ETPH-CT	ND	ug/kg	5000				
Surrogate(s)	Recovery		QC Criteria				
o-Terphenyl	84.0	%					

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

11. Analysis of Extractable Petroleum Hydrocarbons (ETPH) Using Methylene Chloride Gas Chromatograph/Flame Ionization Detection. Environmental Research Institute, University of Connecticut. March 1999.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 2/7/03

ALPHA Job #: L0301634

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr. #38, Rocky Hill CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_Alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch, CT
Project Location: Thomaston CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 2/28 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	13 Priority Pollutants	Total Cyanide	CT ETPH	Sample Specific Comments	TOTAL # BOTTLES
6341	PE344-CU/D/W(N)	2/6/03	1455	CC	GP	X	X	X		1
✓	PE345-CU/D/W(GRATE)	↓	1512	↓	↓	X	X	X		1
3	PE346-CU/D/W(S)	↓	1538	↓	↓	X	X	X		1
4	PE347-PCLDRAIN	2/7/03	1015	↓	↓	X	X	X		2

Shaded Gray Areas For Lab Use Only

Container Type	G →
Preservative	A →

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mahaney	2/7/03 1520	[illegible]	2/7/03 1520
[illegible]	2/7 1710	[illegible]	2/7 1710

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 2 OF 3

Date Rec'd in Lab: 2/21

ALPHA Job #: L0301634

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 500 Enterprise Dr #3B
Rocky Hill, CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary-Alicandro@urscorp.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Etch CT
Project Location: Thomaston CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 2/28 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Cyanide	TAL Metals	Total Cyanide	Sample Specific Comments	Total # Bottles
16mw C	PE271-CYN CW1	2/4/03	1200	CW	GP	X	X	X		3
6	PE272-EH		1400	RW			X	X		1
7	PE273-B1		1510	RW			X	X		
8	PE274-FP	↓	1525	RW			X	X		
9	PE275-WT4	2/5/03	1100	RW			X	X		
10	PE276-WT3	2/6/03	1000	RW			X	X		
11	PE277-WT2		1450	RW			X	X		
12	PE278-CYN CW2	↓	0915	CW		X	X	X		3
13	PE279-WT1	2/7/03	0927	RW			X	X		1
14	PE280-C1	↓	1045	RW			X	X		

Shaded Gray Areas For Lab Use Only

Container Type	V	G	→																		
Preservative	B	A	→																		

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Hathaway	2/21/03 1500	[illegible]	2/21/03 1520
[illegible]	2/21 1710	[illegible]	2/21 1710

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 3 OF 3

Date Rec'd in Lab: 2/21

ALPHA Job #: L0301634

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: URS Corporation
Address: 5 Enterprise Dr #3B
Rocky Hill CT 06067
Phone: 860-529-8882
Fax: 860-529-3991
Email: Gary_Alicandro@urscorp.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pure Ethan CT
Project Location: Thomaston CT
Project #: 36908301
Project Manager: Gary Alicandro
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 2/28 Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initals	VOC 8260B	TAL Metals	Total Cyanide	Reactivity	Sample Specific Comments	Total # Bottles
16	PE281-CYNCW3	2/19/03	1140	CW	GP	X	X	X			3
17	PE282-VC1	↓	1330	RW			X	X			1
18	PE283-WT3	2/2/03	1312	W				X	X		2
19	PE284-WT2		1320	W				X	X		
20	PE285-WT1		1324	W				X	X		
21	PE286-VC2		1305	W				X	X		
22	PE287-C1		1303	W				X	X		
23	PE288-B2		1300	W				X	X		
24	PE289-WT4		1255	W				X	X		
25	PE290-EH	↓	1328	W	↓			X	X		↓

Shaded Gray Areas For Lab Use Only

Container Type	V	G	→
Preservative	B	A	→

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time
Christine Mathely 2/21/03 1520		[illegible]	2-21-03/1520
[illegible]	2/21 1716	[illegible]	2/21 1716

Form No: 02-02 STD

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: 36908301

Site: PURE-ETCH

Laboratory Job Number: L0304140

Date Received: 02-MAY-2003

Date Reported: 09-MAY-2003

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0304140-01	PE401-B1	THOMASTON, CT
L0304140-02	PE402-B1	THOMASTON, CT
L0304140-03	PE403-VC1	THOMASTON, CT
L0304140-04	PE405-EH	THOMASTON, CT
L0304140-05	PE404-WT4	THOMASTON, CT
L0304140-06	PE406-C1	THOMASTON, CT
L0304140-07	PE407-WT1	THOMASTON, CT
L0304140-08	PE408-WT2	THOMASTON, CT
L0304140-09	PE409-WT3	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: James Todaro

James Todaro - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304140-01
PE401-B1
Sample Matrix: WIPE

Date Collected: 01-MAY-2003 11:11
Date Received : 02-MAY-2003
Date Reported : 09-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:08	RW
Barium, Total	9.5	ug Abs	0.50	1	6010B	0508 09:30	0508 14:08	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:08	RW
Chromium, Total	19.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:08	RW
Copper, Total	14.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:08	RW
Iron, Total	1400	ug Abs	2.5	1	6010B	0508 09:30	0508 14:08	RW
Lead, Total	26.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:08	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0508 17:20	0509 10:35	AJ
Nickel, Total	7.4	ug Abs	1.2	1	6010B	0508 09:30	0508 14:08	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0508 09:30	0508 14:08	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:08	RW
Zinc, Total	28.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:08	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304140-02
PE402-B1
Sample Matrix: WIPE

Date Collected: 01-MAY-2003 11:13
Date Received : 02-MAY-2003
Date Reported : 09-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:23	RW
Barium, Total	25.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:23	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:23	RW
Chromium, Total	19.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:23	RW
Copper, Total	24.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:23	RW
Iron, Total	2000	ug Abs	2.5	1	6010B	0508 09:30	0508 14:23	RW
Lead, Total	83.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:23	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0508 17:20	0509 10:35	AJ
Nickel, Total	13.	ug Abs	1.2	1	6010B	0508 09:30	0508 14:23	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0508 09:30	0508 14:23	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:23	RW
Zinc, Total	28.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:23	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304140-03
PE403-VC1
Sample Matrix: WIPE

Date Collected: 01-MAY-2003 11:25
Date Received : 02-MAY-2003
Date Reported : 09-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:28	RW
Barium, Total	7.2	ug Abs	0.50	1	6010B	0508 09:30	0508 14:28	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:28	RW
Chromium, Total	92.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:28	RW
Copper, Total	7.1	ug Abs	0.50	1	6010B	0508 09:30	0508 14:28	RW
Iron, Total	180	ug Abs	2.5	1	6010B	0508 09:30	0508 14:28	RW
Lead, Total	7.7	ug Abs	2.5	1	6010B	0508 09:30	0508 14:28	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0508 17:20	0509 10:35	AJ
Nickel, Total	3.6	ug Abs	1.2	1	6010B	0508 09:30	0508 14:28	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0508 09:30	0508 14:28	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:28	RW
Zinc, Total	21.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:28	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304140-04
PE405-EH
Sample Matrix: WIPE

Date Collected: 01-MAY-2003 11:33
Date Received : 02-MAY-2003
Date Reported : 09-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:32	RW
Barium, Total	3.0	ug Abs	0.50	1	6010B	0508 09:30	0508 14:32	RW
Cadmium, Total	0.77	ug Abs	0.50	1	6010B	0508 09:30	0508 14:32	RW
Chromium, Total	3.3	ug Abs	0.50	1	6010B	0508 09:30	0508 14:32	RW
Copper, Total	3.7	ug Abs	0.50	1	6010B	0508 09:30	0508 14:32	RW
Iron, Total	54.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:32	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0508 09:30	0508 14:32	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0508 17:20	0509 10:35	AJ
Nickel, Total	ND	ug Abs	1.2	1	6010B	0508 09:30	0508 14:32	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0508 09:30	0508 14:32	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:32	RW
Zinc, Total	15.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:32	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304140-05
PE404-WT4
Sample Matrix: WIPE

Date Collected: 01-MAY-2003 12:01
Date Received : 02-MAY-2003
Date Reported : 09-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:36	RW
Barium, Total	4.5	ug Abs	0.50	1	6010B	0508 09:30	0508 14:36	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:36	RW
Chromium, Total	7.5	ug Abs	0.50	1	6010B	0508 09:30	0508 14:36	RW
Copper, Total	10.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:36	RW
Iron, Total	120	ug Abs	2.5	1	6010B	0508 09:30	0508 14:36	RW
Lead, Total	2.8	ug Abs	2.5	1	6010B	0508 09:30	0508 14:36	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0508 17:20	0509 10:35	AJ
Nickel, Total	3.0	ug Abs	1.2	1	6010B	0508 09:30	0508 14:36	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0508 09:30	0508 14:36	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:36	RW
Zinc, Total	62.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:36	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304140-06
PE406-C1
Sample Matrix: WIPE

Date Collected: 01-MAY-2003 12:22
Date Received : 02-MAY-2003
Date Reported : 09-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:41	RW
Barium, Total	130	ug Abs	0.50	1	6010B	0508 09:30	0508 14:41	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:41	RW
Chromium, Total	81.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:41	RW
Copper, Total	4.8	ug Abs	0.50	1	6010B	0508 09:30	0508 14:41	RW
Iron, Total	65.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:41	RW
Lead, Total	29.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:41	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0508 17:20	0509 10:35	AJ
Nickel, Total	28.	ug Abs	1.2	1	6010B	0508 09:30	0508 14:41	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0508 09:30	0508 14:41	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:41	RW
Zinc, Total	24.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:41	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304140-07
PE407-WT1
Sample Matrix: WIPE

Date Collected: 01-MAY-2003 13:53
Date Received : 02-MAY-2003
Date Reported : 09-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:45	RW
Barium, Total	20.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:45	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:45	RW
Chromium, Total	21.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:45	RW
Copper, Total	8.6	ug Abs	0.50	1	6010B	0508 09:30	0508 14:45	RW
Iron, Total	1500	ug Abs	2.5	1	6010B	0508 09:30	0508 14:45	RW
Lead, Total	11.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:45	RW
Mercury, Total	0.057	ug Abs	0.050	1	7471A	0508 17:20	0509 10:35	AJ
Nickel, Total	24.	ug Abs	1.2	1	6010B	0508 09:30	0508 14:45	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0508 09:30	0508 14:45	RW
Silver, Total	2.5	ug Abs	0.50	1	6010B	0508 09:30	0508 14:45	RW
Zinc, Total	47.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:45	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304140-08
PE408-WT2
Sample Matrix: WIPE

Date Collected: 01-MAY-2003 14:26
Date Received : 02-MAY-2003
Date Reported : 09-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	0.56	ug Abs	0.50	1	6010B	0508 09:30	0508 14:49	RW
Barium, Total	90.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:49	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:49	RW
Chromium, Total	20.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:49	RW
Copper, Total	30.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:49	RW
Iron, Total	550	ug Abs	2.5	1	6010B	0508 09:30	0508 14:49	RW
Lead, Total	67.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:49	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0508 17:20	0509 10:35	AJ
Nickel, Total	56.	ug Abs	1.2	1	6010B	0508 09:30	0508 14:49	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0508 09:30	0508 14:49	RW
Silver, Total	1.1	ug Abs	0.50	1	6010B	0508 09:30	0508 14:49	RW
Zinc, Total	46.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:49	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304140-09
PE409-WT3
Sample Matrix: WIPE

Date Collected: 01-MAY-2003 14:47
Date Received : 02-MAY-2003
Date Reported : 09-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:53	RW
Barium, Total	20.	ug Abs	0.50	1	6010B	0508 09:30	0508 14:53	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 14:53	RW
Chromium, Total	7.4	ug Abs	0.50	1	6010B	0508 09:30	0508 14:53	RW
Copper, Total	4.5	ug Abs	0.50	1	6010B	0508 09:30	0508 14:53	RW
Iron, Total	84.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:53	RW
Lead, Total	6.7	ug Abs	2.5	1	6010B	0508 09:30	0508 14:53	RW
Mercury, Total	ND	ug Abs	0.050	1	7471A	0508 17:20	0509 10:35	AJ
Nickel, Total	2.4	ug Abs	1.2	1	6010B	0508 09:30	0508 14:53	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0508 09:30	0508 14:53	RW
Silver, Total	1.0	ug Abs	0.50	1	6010B	0508 09:30	0508 14:53	RW
Zinc, Total	16.	ug Abs	2.5	1	6010B	0508 09:30	0508 14:53	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0304140

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Total Metals for sample(s) 01-09 (L0304140-01, WG139790)					
Mercury, Total	ND	ND	ug Abs	NC	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0304140

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-09 (WG139756)		
Arsenic, Total	83	70-140
Barium, Total	83	70-140
Cadmium, Total	86	70-140
Chromium, Total	87	70-140
Copper, Total	80	70-140
Iron, Total	88	70-140
Lead, Total	90	70-140
Nickel, Total	84	70-140
Selenium, Total	80	70-140
Silver, Total	100	70-140
Zinc, Total	84	70-140
Total Metals LCS for sample(s) 01-09 (WG139790)		
Mercury, Total	100	
Total Metals SPIKE for sample(s) 01-09 (L0304140-02, WG139790)		
Mercury, Total	121	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0304140

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-09 (WG139756-1)								
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 13:48	RW
Barium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 13:48	RW
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 13:48	RW
Chromium, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 13:48	RW
Copper, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 13:48	RW
Iron, Total	ND	ug Abs	2.5	1	6010B	0508 09:30	0508 13:48	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0508 09:30	0508 13:48	RW
Nickel, Total	ND	ug Abs	1.2	1	6010B	0508 09:30	0508 13:48	RW
Selenium, Total	ND	ug Abs	1.0	1	6010B	0508 09:30	0508 13:48	RW
Silver, Total	ND	ug Abs	0.50	1	6010B	0508 09:30	0508 13:48	RW
Zinc, Total	ND	ug Abs	2.5	1	6010B	0508 09:30	0508 13:48	RW
Blank Analysis for sample(s) 01-09 (WG139790-4)								
Total Metals								
Mercury, Total	ND	ug Abs	0.050	1	7471A	0508 17:20	0509 10:35	AJ

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: 36908301

Site: PURE-ETCH

Laboratory Job Number: L0304326

Date Received: 07-MAY-2003

Date Reported: 14-MAY-2003

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0304326-01	PE410-E2	THOMASTON, CT
L0304326-02	PE411-E1	THOMASTON, CT
L0304326-03	PE412-ER2	THOMASTON, CT
L0304326-04	PE413-S2	THOMASTON, CT
L0304326-05	PE414-S1	THOMASTON, CT
L0304326-06	PE415-VC2	THOMASTON, CT
L0304326-07	PE416-D1	THOMASTON, CT
L0304326-08	PE417-T15	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Ellen M. Collins

Ellen M. Collins - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304326-01
PE410-E2
Sample Matrix: WIPE

Date Collected: 06-MAY-2003 10:45
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 16:28	MG
Barium, Total	26.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:28	MG
Cadmium, Total	1.1	ug Abs	0.50	1	6010B	0512 16:40	0513 16:28	MG
Chromium, Total	8.1	ug Abs	0.50	1	6010B	0512 16:40	0513 16:28	MG
Copper, Total	14.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:28	MG
Iron, Total	180	ug Abs	2.5	1	6010B	0512 16:40	0514 10:40	RW
Lead, Total	5.4	ug Abs	2.5	1	6010B	0512 16:40	0513 16:28	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	4.6	ug Abs	1.2	1	6010B	0512 16:40	0513 16:28	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 16:28	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 16:28	MG
Zinc, Total	37.	ug Abs	2.5	1	6010B	0512 16:40	0513 16:28	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304326-02
PE411-E1
Sample Matrix: WIPE

Date Collected: 06-MAY-2003 10:50
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	2.5	ug Abs	0.50	1	6010B	0512 16:40	0513 16:32	MG
Barium, Total	19.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:32	MG
Cadmium, Total	11.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:32	MG
Chromium, Total	780	ug Abs	0.50	1	6010B	0512 16:40	0513 16:32	MG
Copper, Total	1600	ug Abs	0.50	1	6010B	0512 16:40	0513 16:32	MG
Iron, Total	3600	ug Abs	2.5	1	6010B	0512 16:40	0514 10:44	RW
Lead, Total	82.	ug Abs	2.5	1	6010B	0512 16:40	0513 16:32	MG
Mercury, Total	0.320	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	660	ug Abs	1.2	1	6010B	0512 16:40	0513 16:32	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 16:32	MG
Silver, Total	2.0	ug Abs	0.50	1	6010B	0512 16:40	0513 16:32	MG
Zinc, Total	890	ug Abs	2.5	1	6010B	0512 16:40	0514 10:44	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304326-03
PE412-ER2
Sample Matrix: WIPE

Date Collected: 06-MAY-2003 10:57
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 16:37	MG
Barium, Total	9.9	ug Abs	0.50	1	6010B	0512 16:40	0513 16:37	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 16:37	MG
Chromium, Total	8.8	ug Abs	0.50	1	6010B	0512 16:40	0513 16:37	MG
Copper, Total	17.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:37	MG
Iron, Total	160	ug Abs	2.5	1	6010B	0512 16:40	0514 10:48	RW
Lead, Total	4.8	ug Abs	2.5	1	6010B	0512 16:40	0513 16:37	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	3.5	ug Abs	1.2	1	6010B	0512 16:40	0513 16:37	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 16:37	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 16:37	MG
Zinc, Total	43.	ug Abs	2.5	1	6010B	0512 16:40	0513 16:37	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304326-04
PE413-S2
Sample Matrix: WIPE

Date Collected: 06-MAY-2003 11:19
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	3.3	ug Abs	0.50	1	6010B	0512 16:40	0513 16:42	MG
Barium, Total	19.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:42	MG
Cadmium, Total	5.7	ug Abs	0.50	1	6010B	0512 16:40	0513 16:42	MG
Chromium, Total	480	ug Abs	0.50	1	6010B	0512 16:40	0513 16:42	MG
Copper, Total	1300	ug Abs	0.50	1	6010B	0512 16:40	0513 16:42	MG
Iron, Total	2100	ug Abs	2.5	1	6010B	0512 16:40	0514 10:51	RW
Lead, Total	73.	ug Abs	2.5	1	6010B	0512 16:40	0513 16:42	MG
Mercury, Total	0.180	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	290	ug Abs	1.2	1	6010B	0512 16:40	0513 16:42	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 16:42	MG
Silver, Total	5.0	ug Abs	0.50	1	6010B	0512 16:40	0513 16:42	MG
Zinc, Total	840	ug Abs	2.5	1	6010B	0512 16:40	0514 10:51	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304326-05
PE414-S1
Sample Matrix: WIPE

Date Collected: 06-MAY-2003 11:12
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	1.6	ug Abs	0.50	1	6010B	0512 16:40	0513 16:46	MG
Barium, Total	20.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:46	MG
Cadmium, Total	3.8	ug Abs	0.50	1	6010B	0512 16:40	0513 16:46	MG
Chromium, Total	240	ug Abs	0.50	1	6010B	0512 16:40	0513 16:46	MG
Copper, Total	740	ug Abs	0.50	1	6010B	0512 16:40	0513 16:46	MG
Iron, Total	2100	ug Abs	2.5	1	6010B	0512 16:40	0514 10:55	RW
Lead, Total	79.	ug Abs	2.5	1	6010B	0512 16:40	0513 16:46	MG
Mercury, Total	0.130	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	160	ug Abs	1.2	1	6010B	0512 16:40	0513 16:46	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 16:46	MG
Silver, Total	2.8	ug Abs	0.50	1	6010B	0512 16:40	0513 16:46	MG
Zinc, Total	430	ug Abs	2.5	1	6010B	0512 16:40	0514 10:55	RW

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304326-06
PE415-VC2
Sample Matrix: WIPE

Date Collected: 06-MAY-2003 11:04
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 16:51	MG
Barium, Total	11.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:51	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 16:51	MG
Chromium, Total	14.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:51	MG
Copper, Total	28.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:51	MG
Iron, Total	180	ug Abs	2.5	1	6010B	0512 16:40	0514 10:59	RW
Lead, Total	3.9	ug Abs	2.5	1	6010B	0512 16:40	0513 16:51	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	10.	ug Abs	1.2	1	6010B	0512 16:40	0513 16:51	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 16:51	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 16:51	MG
Zinc, Total	45.	ug Abs	2.5	1	6010B	0512 16:40	0513 16:51	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304326-07
PE416-D1
Sample Matrix: WIPE

Date Collected: 06-MAY-2003 11:36
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	1.2	ug Abs	0.50	1	6010B	0512 16:40	0513 16:55	MG
Barium, Total	25.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:55	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 16:55	MG
Chromium, Total	27.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:55	MG
Copper, Total	90.	ug Abs	0.50	1	6010B	0512 16:40	0513 16:55	MG
Iron, Total	17000	ug Abs	2.5	1	6010B	0512 16:40	0514 11:02	RW
Lead, Total	8.6	ug Abs	2.5	1	6010B	0512 16:40	0513 16:55	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	56.	ug Abs	1.2	1	6010B	0512 16:40	0513 16:55	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 16:55	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 16:55	MG
Zinc, Total	320	ug Abs	2.5	1	6010B	0512 16:40	0513 16:55	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304326-08
PE417-T15
Sample Matrix: WIPE

Date Collected: 06-MAY-2003 11:28
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	2.4	ug Abs	0.50	1	6010B	0512 16:40	0513 17:00	MG
Barium, Total	14.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:00	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:00	MG
Chromium, Total	27.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:00	MG
Copper, Total	21.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:00	MG
Iron, Total	37000	ug Abs	12.	1	6010B	0512 16:40	0514 11:06	RW
Lead, Total	4.0	ug Abs	2.5	1	6010B	0512 16:40	0513 17:00	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	15.	ug Abs	1.2	1	6010B	0512 16:40	0513 17:00	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:00	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:00	MG
Zinc, Total	73.	ug Abs	2.5	1	6010B	0512 16:40	0513 17:00	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0304326

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-08 (WG140103)		
Arsenic, Total	87	70-140
Barium, Total	90	70-140
Cadmium, Total	86	70-140
Chromium, Total	90	70-140
Copper, Total	96	70-140
Iron, Total	80	70-140
Lead, Total	94	70-140
Nickel, Total	88	70-140
Selenium, Total	80	70-140
Silver, Total	84	70-140
Zinc, Total	88	70-140
Total Metals LCS for sample(s) 01-08 (WG140198)		
Mercury, Total	84	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0304326

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-08 (WG140103-1)								
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Barium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Chromium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Copper, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Iron, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0514 10:28	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 10:12	MG
Nickel, Total	ND	ug Abs	1.2	1	6010B	0512 16:40	0513 10:12	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 10:12	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Zinc, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 10:12	MG
Blank Analysis for sample(s) 01-08 (WG140198-2)								
Total Metals								
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: URS Greiner Woodard Clyde

Address: 500 Enterprise Drive

Rocky Hill, CT 06067

Attn: Mr. Gary Alicandro

Project Number: 36908301

Site: PURE-ETCH

Laboratory Job Number: L0304327

Date Received: 07-MAY-2003

Date Reported: 14-MAY-2003

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0304327-01	PE291-ALS PIPE 6	THOMASTON, CT
L0304327-02	PE292-ALS PIPE 7	THOMASTON, CT
L0304327-03	PE293-ALS PIPE 8	THOMASTON, CT
L0304327-04	PE294-ALS PIPE 9	THOMASTON, CT
L0304327-05	PE295-ALS PIPE 10	THOMASTON, CT
L0304327-06	PE296-ALS PIPE 11	THOMASTON, CT
L0304327-07	PE297-ALS PIPE 12	THOMASTON, CT
L0304327-08	PE298-ALS PIPE 13	THOMASTON, CT
L0304327-09	PE299-ALS PIPE 14	THOMASTON, CT

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Ellen M. Collins

Ellen M. Collins - Technical Director
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304327-01
PE291-ALS PIPE 6
Sample Matrix: WIPE

Date Collected: 07-MAY-2003 10:37
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:05	MG
Barium, Total	11.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:05	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:05	MG
Chromium, Total	7.1	ug Abs	0.50	1	6010B	0512 16:40	0513 17:05	MG
Copper, Total	9.9	ug Abs	0.50	1	6010B	0512 16:40	0513 17:05	MG
Iron, Total	1500	ug Abs	2.5	1	6010B	0512 16:40	0514 11:22	MG
Lead, Total	5.1	ug Abs	2.5	1	6010B	0512 16:40	0513 17:05	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	2.6	ug Abs	1.2	1	6010B	0512 16:40	0513 17:05	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:05	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:05	MG
Zinc, Total	65.	ug Abs	2.5	1	6010B	0512 16:40	0513 17:05	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304327-02
PE292-ALS PIPE 7
Sample Matrix: WIPE

Date Collected: 07-MAY-2003 10:40
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:20	MG
Barium, Total	11.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:20	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:20	MG
Chromium, Total	7.0	ug Abs	0.50	1	6010B	0512 16:40	0513 17:20	MG
Copper, Total	9.8	ug Abs	0.50	1	6010B	0512 16:40	0513 17:20	MG
Iron, Total	690	ug Abs	2.5	1	6010B	0512 16:40	0514 11:27	MG
Lead, Total	4.8	ug Abs	2.5	1	6010B	0512 16:40	0513 17:20	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	2.6	ug Abs	1.2	1	6010B	0512 16:40	0513 17:20	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:20	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:20	MG
Zinc, Total	44.	ug Abs	2.5	1	6010B	0512 16:40	0513 17:20	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304327-03
PE293-ALS PIPE 8
Sample Matrix: WIPE

Date Collected: 07-MAY-2003 10:42
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:25	MG
Barium, Total	76.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:25	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:25	MG
Chromium, Total	28.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:25	MG
Copper, Total	8.2	ug Abs	0.50	1	6010B	0512 16:40	0513 17:25	MG
Iron, Total	250	ug Abs	2.5	1	6010B	0512 16:40	0514 11:32	MG
Lead, Total	7.2	ug Abs	2.5	1	6010B	0512 16:40	0513 17:25	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	9.3	ug Abs	1.2	1	6010B	0512 16:40	0513 17:25	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:25	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:25	MG
Zinc, Total	34.	ug Abs	2.5	1	6010B	0512 16:40	0513 17:25	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304327-04
PE294-ALS PIPE 9
Sample Matrix: WIPE

Date Collected: 07-MAY-2003 10:44
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	1.8	ug Abs	0.50	1	6010B	0512 16:40	0513 17:30	MG
Barium, Total	510	ug Abs	0.50	1	6010B	0512 16:40	0513 17:30	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:30	MG
Chromium, Total	110	ug Abs	0.50	1	6010B	0512 16:40	0513 17:30	MG
Copper, Total	140	ug Abs	0.50	1	6010B	0512 16:40	0513 17:30	MG
Iron, Total	2400	ug Abs	2.5	1	6010B	0512 16:40	0514 11:37	MG
Lead, Total	2700	ug Abs	2.5	1	6010B	0512 16:40	0513 17:30	MG
Mercury, Total	0.250	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	44.	ug Abs	1.2	1	6010B	0512 16:40	0513 17:30	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:30	MG
Silver, Total	4.1	ug Abs	0.50	1	6010B	0512 16:40	0513 17:30	MG
Zinc, Total	140	ug Abs	2.5	1	6010B	0512 16:40	0513 17:30	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304327-05
PE295-ALS PIPE 10
Sample Matrix: WIPE

Date Collected: 07-MAY-2003 10:46
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	0.50	ug Abs	0.50	1	6010B	0512 16:40	0513 17:34	MG
Barium, Total	140	ug Abs	0.50	1	6010B	0512 16:40	0513 17:34	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:34	MG
Chromium, Total	26.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:34	MG
Copper, Total	18.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:34	MG
Iron, Total	1600	ug Abs	2.5	1	6010B	0512 16:40	0514 11:42	MG
Lead, Total	600	ug Abs	2.5	1	6010B	0512 16:40	0513 17:34	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	11.	ug Abs	1.2	1	6010B	0512 16:40	0513 17:34	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:34	MG
Silver, Total	7.2	ug Abs	0.50	1	6010B	0512 16:40	0513 17:34	MG
Zinc, Total	51.	ug Abs	2.5	1	6010B	0512 16:40	0513 17:34	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304327-06
PE296-ALS PIPE 11
Sample Matrix: WIPE

Date Collected: 07-MAY-2003 10:49
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:39	MG
Barium, Total	8.1	ug Abs	0.50	1	6010B	0512 16:40	0513 17:39	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:39	MG
Chromium, Total	4.1	ug Abs	0.50	1	6010B	0512 16:40	0513 17:39	MG
Copper, Total	2.8	ug Abs	0.50	1	6010B	0512 16:40	0513 17:39	MG
Iron, Total	84.	ug Abs	2.5	1	6010B	0512 16:40	0514 11:47	MG
Lead, Total	4.0	ug Abs	2.5	1	6010B	0512 16:40	0513 17:39	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0512 16:40	0513 17:39	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:39	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:39	MG
Zinc, Total	28.	ug Abs	2.5	1	6010B	0512 16:40	0513 17:39	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304327-07
PE297-ALS PIPE 12
Sample Matrix: WIPE

Date Collected: 07-MAY-2003 10:51
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	2.7	ug Abs	0.50	1	6010B	0512 16:40	0513 17:43	MG
Barium, Total	40.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:43	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:43	MG
Chromium, Total	18.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:43	MG
Copper, Total	12.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:43	MG
Iron, Total	2000	ug Abs	2.5	1	6010B	0512 16:40	0514 11:52	MG
Lead, Total	5.8	ug Abs	2.5	1	6010B	0512 16:40	0513 17:43	MG
Mercury, Total	0.430	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	5.1	ug Abs	1.2	1	6010B	0512 16:40	0513 17:43	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:43	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:43	MG
Zinc, Total	52.	ug Abs	2.5	1	6010B	0512 16:40	0513 17:43	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

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Laboratory Sample Number: L0304327-08
PE298-ALS PIPE 13
Sample Matrix: WIPE

Date Collected: 07-MAY-2003 10:53
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:48	MG
Barium, Total	30.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:48	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:48	MG
Chromium, Total	1.6	ug Abs	0.50	1	6010B	0512 16:40	0513 17:48	MG
Copper, Total	3.9	ug Abs	0.50	1	6010B	0512 16:40	0513 17:48	MG
Iron, Total	170	ug Abs	2.5	1	6010B	0512 16:40	0514 11:57	MG
Lead, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:48	MG
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	ND	ug Abs	1.2	1	6010B	0512 16:40	0513 17:48	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:48	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:48	MG
Zinc, Total	38.	ug Abs	2.5	1	6010B	0512 16:40	0513 17:48	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0304327-09
PE299-ALS PIPE 14
Sample Matrix: WIPE

Date Collected: 07-MAY-2003 10:55
Date Received : 07-MAY-2003
Date Reported : 14-MAY-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals				1	3051			
Arsenic, Total	2.1	ug Abs	0.50	1	6010B	0512 16:40	0513 17:53	MG
Barium, Total	130	ug Abs	0.50	1	6010B	0512 16:40	0513 17:53	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:53	MG
Chromium, Total	26.	ug Abs	0.50	1	6010B	0512 16:40	0513 17:53	MG
Copper, Total	6.2	ug Abs	0.50	1	6010B	0512 16:40	0513 17:53	MG
Iron, Total	1100	ug Abs	2.5	1	6010B	0512 16:40	0514 12:01	MG
Lead, Total	7.9	ug Abs	2.5	1	6010B	0512 16:40	0513 17:53	MG
Mercury, Total	0.080	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM
Nickel, Total	2.6	ug Abs	1.2	1	6010B	0512 16:40	0513 17:53	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 17:53	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 17:53	MG
Zinc, Total	58.	ug Abs	2.5	1	6010B	0512 16:40	0513 17:53	MG

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0304327

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-09 (WG140103)		
Arsenic, Total	87	70-140
Barium, Total	90	70-140
Cadmium, Total	86	70-140
Chromium, Total	90	70-140
Copper, Total	96	70-140
Iron, Total	80	70-140
Lead, Total	94	70-140
Nickel, Total	88	70-140
Selenium, Total	80	70-140
Silver, Total	84	70-140
Zinc, Total	88	70-140
Total Metals LCS for sample(s) 01-09 (WG140198)		
Mercury, Total	84	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0304327

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-09 (WG140103-1)								
Total Metals				1	3051			
Arsenic, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Barium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Cadmium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Chromium, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Copper, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Iron, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0514 10:28	RW
Lead, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 10:12	MG
Nickel, Total	ND	ug Abs	1.2	1	6010B	0512 16:40	0513 10:12	MG
Selenium, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 10:12	MG
Silver, Total	ND	ug Abs	0.50	1	6010B	0512 16:40	0513 10:12	MG
Zinc, Total	ND	ug Abs	2.5	1	6010B	0512 16:40	0513 10:12	MG
Blank Analysis for sample(s) 01-09 (WG140198-2)								
Total Metals								
Mercury, Total	ND	ug Abs	0.050	1	7471A	0513 17:15	0514 10:02	DM

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Update III, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

eas
LABORATORIES

October 01, 2004

THOMASTON ENTERPRISES
Old Waterbury Road
Thomaston, CT 06787

Attention: Mr. Ken Nisley

EAS Project Number: 04090238
Location Collected: Envirite Thomaston Landfill, Thomaston, CT

Copies of this report and the supporting computer stored data are retained in our files in the event they are required for future reference.

Any sample submitted to our laboratory will be retained for a maximum of thirty (30) days from receipt of the report.

All analytical data, unless otherwise specified, is reported on a wet weight (as received) basis.

Our laboratory is a multi-state Certified Public Health Laboratory, offering a full range of analytical services that include:

Water and Wastewater Analysis
Hazardous Waste Analysis (RCRA)
Full Priority Pollutant Analysis
Drinking Water Analysis

Gregory C. Lawrence
Laboratory Director

encl.

105 COMMERCIAL STREET WATERTOWN, CT 06795 PHONE (860) 274-5461 FAX (860) 945-0449

Recycled Paper

THOMASTON ENTERPRISES

Location Collected: Envirite Thomaston Landfill, Thomaston, CT
Date Sample Collected: 09/14/04
Sample Description: Acid Sump Containment Area
EAS Sample Number: 04090238-01
LIMS ID Number: AF11598
Date Sample Received: 09/15/04

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Arsenic-Low Level, Liquid	0.015	0.005	mg/L	09/23/04	SW-846-6010	JAM
Barium, Liquid	0.02	0.005	mg/L	09/24/04	SW-846-6010	JAM
Cadmium, Liquid	0.0055	0.005	mg/L	09/24/04	SW-846-6010	JAM
Chromium, Liquid	BDL	0.02	mg/L	09/24/04	SW-846-6010	JAM
Copper, Liquid	0.044	0.01	mg/L	09/24/04	SW-846-6010	JAM
Lead-Low Level, Liquid	BDL	0.005	mg/L	09/23/04	SW-846-6010	JAM
Mercury, Liquid	BDL	0.0004	mg/L	09/17/04	SW-846-6010	JAA
Nickel, Liquid	BDL	0.02	mg/L	09/24/04	SW-846-6010	JAM
Selenium-Low Level, Liquid	BDL	0.005	mg/L	09/23/04	SW-846-6010	JAM
Silver, Liquid	BDL	0.01	mg/L	09/24/04	SW-846-6010	JAM
Zinc, Liquid	0.87	0.005	mg/L	09/24/04	SW-846-6010	JAM

BDL = Below Detection Limit

THOMASTON ENTERPRISES

Location Collected: Envirite Thomaston Landfill, Thomaston, CT
Date Sample Collected: 09/14/04
Sample Description: Alkaline Containment Area
EAS Sample Number: 04090238-02
LIMS ID Number: AF11599
Date Sample Received: 09/15/04

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Arsenic-Low Level, Liquid	BDL	0.005	mg/L	09/23/04	MCAWW 200.9	JAM
Barium, Liquid	0.045	0.005	mg/L	09/30/04	MCAWW 200.7	JAA
Cadmium, Liquid	BDL	0.005	mg/L	09/30/04	MCAWW 200.7	JAA
Chromium, Liquid	BDL	0.02	mg/L	09/30/04	MCAWW 200.7	JAA
Copper, Liquid	0.063	0.01	mg/L	09/30/04	MCAWW 200.7	JAA
Lead-Low Level, Liquid	0.59	0.005	mg/L	09/23/04	MCAWW 200.9	JAM
Mercury, Liquid	BDL	0.0004	mg/L	09/17/04	MCAWW 245.1	JAA
Nickel, Liquid	BDL	0.02	mg/L	09/30/04	MCAWW 200.7	JAA
Selenium-Low Level, Liquid	BDL	0.005	mg/L	09/23/04	MCAWW 200.9	JAM
Silver, Liquid	BDL	0.01	mg/L	09/30/04	MCAWW 200.7	JAA
Zinc, Liquid	1.0	0.005	mg/L	09/30/04	MCAWW 200.7	JAA

BDL = Below Detection Limit

THOMASTON ENTERPRISES

Location Collected: Envirite Thomaston Landfill, Thomaston, CT
Date Sample Collected: 09/14/04
Sample Description: Old Drum Sump
EAS Sample Number: 04090238-03
LIMS ID Number: AF11600
Date Sample Received: 09/15/04

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Arsenic-Low Level, Liquid	BDL	0.005	mg/L	09/23/04	MCAWW 200.9	JAM
Barium, Liquid	0.03	0.005	mg/L	09/30/04	MCAWW 200.7	JAA
Cadmium, Liquid	BDL	0.005	mg/L	09/30/04	MCAWW 200.7	JAA
Chromium, Liquid	BDL	0.02	mg/L	09/30/04	MCAWW 200.7	JAA
Copper, Liquid	0.024	0.01	mg/L	09/30/04	MCAWW 200.7	JAA
Lead-Low Level, Liquid	BDL	0.005	mg/L	09/23/04	MCAWW 200.9	JAM
Mercury, Liquid	BDL	0.0004	mg/L	09/17/04	MCAWW 245.1	JAA
Nickel, Liquid	BDL	0.02	mg/L	09/30/04	MCAWW 200.7	JAA
Selenium-Low Level, Liquid	BDL	0.005	mg/L	09/23/04	MCAWW 200.9	JAM
Silver, Liquid	BDL	0.01	mg/L	09/30/04	MCAWW 200.7	JAA
Zinc, Liquid	0.66	0.005	mg/L	09/30/04	MCAWW 200.7	JAA

BDL = Below Detection Limit

EAS Project Number: 04090238
Location Collected: Envirite Thomaston Landfill, Thomaston, CT

EAS Certifications:

Connecticut Certified Laboratory Number: PH 0558

Massachusetts Certified Laboratory Number: M-CT020

Maine Certified Laboratory Number: CT 020

New York Certified Laboratory Number: 10916

Rhode Island Certified Number: 139

The enclosed analyses were conducted in accordance with:

1. APHA Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
2. Clean Water Act, List of Approved Test Procedures, 40 CFR
3. EPA Test Methods for the Evaluation of solid Waste, SW-846, 3rd Edition, January 1998

EAS Laboratories, 105 Commercial Street, Watertown, CT 06795 Phone (860) 274-5461 Fax (860) 945-0449

Company Name: Thomaston Enterprises

Project Manager: Ken Nisley

Invoice To:

Reports To: Ken Nisley

P.O. Number:

Project Location: Old Waterbury Road, Thomaston, CT - Building Sumps

Project Number:

Samplers Signature:

Analyses Requested

Sample Preservation

Cooler Temp (C°)

Received Ice

Received Ambient

Preserved (Yes) (No)

Date/Time Sample Collected	Comp.	Grab	Sample Description	No. of Containers	(S) Solid, (L) Liquid, (O) Oil	RCRA 8 Cu, Ni, Zn										EAS ID Number
9-14-04 1315		X	Wastewater Acid Sump	1		X										04090238-01
			Containment Area			X										
9-14-04 1320		X	Wastewater - Alkaline Containment	1		X										02
			Area													
9-14-04 1330		X	Wastewater - Old Drum	1		X										03
			Sump.													

Relinquished By: (Signature)	Date/Time	Received By: (Signature)
	9/14/04	
Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Relinquished By: (Signature)	Date/Time 9-14-04 1115	Received By: (Signature)

Comments/Remarks

Turnaround Time Requested:

Project Complete:

White: Lab, Canary: File, Pink: Customer

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B1-S1 (0-12)
EAS Sample Number: 05120063-01
LIMS ID Number: AG15004
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	10.1			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/19/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	130		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	33	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.61	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	6.7	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	15	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	5.1	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/13/05	SW-846 7471A	JAA
Nickel, Solid	6.3	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	2.6	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	25	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	37	20	mg/kg	12/11/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/08/05	SW 846-3545	JSC

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B2-S1 (0-6)
EAS Sample Number: 05120063-02
LIMS ID Number: AG15005
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	11.0			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/19/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	290		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	40	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.86	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	9.6	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	29	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	13	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/13/05	SW-846 7471A	JAA
Nickel, Solid	9.2	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	6.3	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	50	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	ND	20	mg/kg	12/18/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B3-S1 (0-12)
EAS Sample Number: 05120063-03
LIMS ID Number: AG15006
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	9.61			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/19/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	74		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	41	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	1.3	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	12	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	8.2	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	21	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/13/05	SW-846 7471A	JAA
Nickel, Solid	8.2	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	1.9	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	49	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	26	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B4-S1 (0-12)
EAS Sample Number: 05120063-04
LIMS ID Number: AG15007
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	10.6			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/19/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	40		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	50	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.94	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	22	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	47	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	8.5	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/13/05	SW-846 7471A	JAA
Nickel, Solid	6.2	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	0.22	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	39	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	76	20	mg/kg	12/18/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B5-S1 (0-3)
EAS Sample Number: 05120063-05
LIMS ID Number: AG15008
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	9.66			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/19/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	150		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	41	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	140	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	13	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	33	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	14	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/13/05	SW-846 7471A	JAA
Nickel, Solid	10	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	6.4	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	48	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	48	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B6-S1 (0-12)
EAS Sample Number: 05120063-06
LIMS ID Number: AG15009
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	7.33			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/19/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	23		umho/cm	12/08/05	SM2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	47	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.87	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	47	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	120	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	43	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/13/05	SW-846 7471A	JAA
Nickel, Solid	8.5	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	1.1	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	31	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	ND	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B7-S1 (0-12)
EAS Sample Number: 05120063-07
LIMS ID Number: AG15010
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	7.39			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/19/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	35		umho/cm	12/08/05	SM2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	48	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	1.9	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	13	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	31	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	17	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/13/05	SW-846 7471A	JAA
Nickel, Solid	9.2	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	4.1	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	63	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	43	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B8-S1 (0-12)
EAS Sample Number: 05120063-08
LIMS ID Number: AG15011
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	4.34			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/19/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	57		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	43	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.61	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	250	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	64	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	290	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/13/05	SW-846 7471A	JAA
Nickel, Solid	1.9	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	1.4	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	10	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	36	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B9-S1 (0-8)
EAS Sample Number: 05120063-09
LIMS ID Number: AG15012
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	7.82			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/23/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	48		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	51	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.32	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	79	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	35	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	200	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/13/05	SW-846 7471A	JAA
Nickel, Solid	2.2	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	0.38	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	12	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	20	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B10-S1 (0-12)
EAS Sample Number: 05120063-10
LIMS ID Number: AG15013
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	8.09			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	80	10	mg/kg	12/23/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	34		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	2.8	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	380	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	1.4	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	320	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	430	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	860	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	0.07	0.05	mg/kg	12/13/05	SW-846 7471A	JAA
Nickel, Solid	270	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	15	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	320	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	820	20	mg/kg	12/13/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/09/05	SW 846-3545	JSC

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B11-S1 (0-2)
EAS Sample Number: 05120063-11
LIMS ID Number: AG15014
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	9.68			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	24	10	mg/kg	12/23/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	330		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	96	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.17	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	70	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	25	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	110	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/15/05	SW-846 7471A	JAA
Nickel, Solid	3.3	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	4.1	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	14	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	28	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/09/05	SW 846-3545	JSC

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B12-S1 (0-2)
EAS Sample Number: 05120063-12
LIMS ID Number: AG15015
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	7.62			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/23/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	110		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	73	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.26	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	37	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	27	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	350	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/15/05	SW-846 7471A	JAA
Nickel, Solid	7.6	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	3.1	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	3.9	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	20	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B13-S1 (0-4)
EAS Sample Number: 05120063-13
LIMS ID Number: AG15016
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	10.6			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/23/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	320		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	37	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	1.1	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	190	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	230	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	90	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/15/05	SW-846 7471A	JAA
Nickel, Solid	8.2	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	5.8	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	41	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	ND	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/09/05	SW 846-3545	JSC

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B14-S1 (0-12)
EAS Sample Number: 05120063-14
LIMS ID Number: AG15017
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	4.87			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/23/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	8.1		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	53	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.94	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	41	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	140	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	43	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/15/05	SW-846 7471A	JAA
Nickel, Solid	9.7	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	ND	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	57	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	38	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/09/05	SW 846-3545	JSC

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B15-S1 (0-11)
EAS Sample Number: 05120063-15
LIMS ID Number: AG15018
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	7.04			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/23/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	83		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	44	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	1.0	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	11	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	20	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	24	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/15/05	SW-846 7471A	JAA
Nickel, Solid	12	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	ND	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	46	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	ND	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/09/05	SW 846-3545	JSC

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B16-S1 (0-12)
EAS Sample Number: 05120063-16
LIMS ID Number: AG15019
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	7.83			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/23/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	49		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	40	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.93	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	58	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	210	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	34	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/15/05	SW-846 7471A	JAA
Nickel, Solid	20	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	0.99	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	57	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	90	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B17-S2 (12-24)
EAS Sample Number: 05120063-17
LIMS ID Number: AG15020
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	5.02			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/23/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	50		umho/cm	12/08/05	SM 2510 mod	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	71	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	1.1	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	170	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	170	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	230	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	0.06	0.05	mg/kg	12/15/05	SW-846 7471A	JAA
Nickel, Solid	1.3	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	1.9	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	9.8	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	ND	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

URS CORPORATION

Location Collected: Envirite HWF, Thomaston, CT
Date Sample Collected: 12/05/05
Sample Description: B18-S2 (6-18)
EAS Sample Number: 05120063-18
LIMS ID Number: AG15021
Date Sample Received: 12/05/05
Client Project Number: 36935792

Parameter	Data	Detection Limit	Units	Analysis Date	Method	Analyst
Cyanide, Solid	ND	5.0	mg/kg	12/16/05	SW-846 9010	JAA
pH, Solid	7.13			12/09/05	SW-846 9045	PJM
Sulfide-Total, Solid	ND	10	mg/kg	12/23/05	SW-846 9030	WAB
Wet Chemistry Specialized Test						WAB
specific conductivity	11		umho/cm	12/08/05	SM 2510 mod.	WAB
Arsenic, Solid	ND	2.0	mg/kg	12/15/05	SW-846 6010B	JAA
Barium, Solid	36	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Cadmium, Solid	0.75	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
Chromium, Solid	12	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Copper, Solid	86	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Lead, Solid	9.7	1.0	mg/kg	12/15/05	SW-846 6010B	JAA
Mercury, Solid	ND	0.05	mg/kg	12/15/05	SW-846 7471A	JAA
Nickel, Solid	14	0.40	mg/kg	12/15/05	SW-846 6010B	JAA
Selenium, Solid	ND	4.0	mg/kg	12/15/05	SW-846 6010B	JAA
Silver, Solid	ND	0.20	mg/kg	12/15/05	SW-846 6010B	JAA
Zinc, Solid	78	0.10	mg/kg	12/15/05	SW-846 6010B	JAA
ETPH by GC/FID, Solid	ND	20	mg/kg	12/19/05	GC-FID	HLM
TPH Extraction, Solid	Completed			12/12/05	SW 846-3545	RSL

ND = Not Detected

ANALYTICAL REPORT

Lab Number:	L0611090
Client:	URS Corporation 500 Enterprise Drive Rocky Hill, CT 06067
ATTN:	Gary Alicandro
Project Name:	ENVIRITE
Project Number:	36935792
Report Date:	08/10/06

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (200305), NJ (MA935), RI (LAO00065), ME (2006012), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ENVIRITE
Project Number: 36935792

Lab Number: L0611090
Report Date: 08/10/06

Alpha Sample ID	Client ID	Sample Location
L0611090-01	WT-1A	THOMASTON, CT
L0611090-02	WT-1B	THOMASTON, CT
L0611090-03	WT-1A1	THOMASTON, CT
L0611090-04	WT-1A2	THOMASTON, CT
L0611090-05	WT-1B1	THOMASTON, CT
L0611090-06	WT-1B2	THOMASTON, CT
L0611090-07	WT-3A	THOMASTON, CT
L0611090-08	WT-3B	THOMASTON, CT
L0611090-09	WT-3A1	THOMASTON, CT
L0611090-10	WT-3A2	THOMASTON, CT
L0611090-11	WT-3B1	THOMASTON, CT
L0611090-12	WT-3B2	THOMASTON, CT
L0611090-13	WT-2A	THOMASTON, CT
L0611090-14	WT-2B	THOMASTON, CT
L0611090-15	WT-2A1	THOMASTON, CT
L0611090-16	WT-2A2	THOMASTON, CT
L0611090-17	WT-2B1	THOMASTON, CT
L0611090-18	WT-2B2	THOMASTON, CT
L0611090-19	C-1A	THOMASTON, CT
L0611090-20	C-1B	THOMASTON, CT
L0611090-21	L0611322	THOMASTON, CT
L0611090-22	C-1A2	THOMASTON, CT
L0611090-23	C-1B1	THOMASTON, CT
L0611090-24	C-1B2	THOMASTON, CT

Project Name: ENVIRITE
Project Number: 36935792

Lab Number: L0611090
Report Date: 08/10/06

CT DEP Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	YES
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature (4°C ± 2°)?	YES
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	YES
5a	Were reporting limits specified or referenced on the chain-of-custody?	YES
5b	Were these reporting limits met?	YES
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	NO
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1 is "No", the data package does not meet the requirements for "Reasonable Confidence".

Project Name: ENVIRITE
Project Number: 36935792

Lab Number: L0611090
Report Date: 08/10/06

Case Narrative

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

RCP Related Narratives

Metals

L0611090-01, -13, and -19 have elevated detection limits for Mercury due to the 5x prep dilutions performed because of matrix interferences encountered during digestion.

L0611090-01 required a 2x dilution for the analysis of Selenium due to spectral interferences encountered during analysis.

In reference to question 6:

At the client's request, all submitted samples were not analyzed for the full RCP list of constituents identified in the method specific analyte list presented in the RCP documents.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Title: Technical Director

Date: 08/10/06

METALS

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-01	Date Collected:	08/02/06 08:50
Client ID:	WT-1A	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	0.028		mg/l	0.005	1	08/07/06 19:00	08/09/06 16:50	EPA 3005A	77,6010B	CF
Barium, Total	0.13		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:50	EPA 3005A	77,6010B	CF
Cadmium, Total	0.008		mg/l	0.005	1	08/07/06 19:00	08/09/06 16:50	EPA 3005A	77,6010B	CF
Chromium, Total	0.38		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:50	EPA 3005A	77,6010B	CF
Copper, Total	1.4		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:50	EPA 3005A	77,6010B	CF
Lead, Total	1.03		mg/l	0.050	1	08/07/06 19:00	08/09/06 16:50	EPA 3005A	77,6010B	CF
Mercury, Total	ND		mg/l	0.0010	1	08/04/06 17:30	08/07/06 10:58	EPA 7470A	77,7470A	DM
Nickel, Total	0.187		mg/l	0.025	1	08/07/06 19:00	08/09/06 16:50	EPA 3005A	77,6010B	CF
Selenium, Total	ND		mg/l	0.020	2	08/07/06 19:00	08/10/06 10:26	EPA 3005A	77,6010B	MG
Silver, Total	ND		mg/l	0.007	1	08/07/06 19:00	08/09/06 16:50	EPA 3005A	77,6010B	CF
Zinc, Total	3.4		mg/l	0.05	1	08/07/06 19:00	08/09/06 16:50	EPA 3005A	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-02	Date Collected:	08/02/06 09:09
Client ID:	WT-1B	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	ND		mg/l	0.005	1	08/07/06 19:00	08/09/06 16:54	EPA 3005A	77,6010B	CF
Barium, Total	0.02		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:54	EPA 3005A	77,6010B	CF
Cadmium, Total	ND		mg/l	0.005	1	08/07/06 19:00	08/09/06 16:54	EPA 3005A	77,6010B	CF
Chromium, Total	0.01		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:54	EPA 3005A	77,6010B	CF
Copper, Total	0.08		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:54	EPA 3005A	77,6010B	CF
Lead, Total	0.067		mg/l	0.050	1	08/07/06 19:00	08/09/06 16:54	EPA 3005A	77,6010B	CF
Mercury, Total	ND		mg/l	0.0002	1	08/04/06 17:30	08/07/06 11:00	EPA 7470A	77,7470A	DM
Nickel, Total	ND		mg/l	0.025	1	08/07/06 19:00	08/09/06 16:54	EPA 3005A	77,6010B	CF
Selenium, Total	ND		mg/l	0.010	1	08/07/06 19:00	08/09/06 16:54	EPA 3005A	77,6010B	CF
Silver, Total	ND		mg/l	0.007	1	08/07/06 19:00	08/09/06 16:54	EPA 3005A	77,6010B	CF
Zinc, Total	0.25		mg/l	0.05	1	08/07/06 19:00	08/09/06 16:54	EPA 3005A	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-03	Date Collected:	08/02/06 08:55
Client ID:	WT-1A1	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	3.6		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:17	EPA 3050B	77,6010B	CF
Barium, Total	14		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:17	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:17	EPA 3050B	77,6010B	CF
Chromium, Total	7.5		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:17	EPA 3050B	77,6010B	CF
Copper, Total	92		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:17	EPA 3050B	77,6010B	CF
Lead, Total	18		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:17	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:16	EPA 7470A	77,7471A	DM
Nickel, Total	8.2		ug Abs	1.2	1	08/09/06 14:45	08/10/06 12:17	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:17	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:17	EPA 3050B	77,6010B	CF
Zinc, Total	96		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:17	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-04	Date Collected:	08/02/06 08:55
Client ID:	WT-1A2	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	3.6		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:20	EPA 3050B	77,6010B	CF
Barium, Total	14		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:20	EPA 3050B	77,6010B	CF
Cadmium, Total	0.52		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:20	EPA 3050B	77,6010B	CF
Chromium, Total	8.8		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:20	EPA 3050B	77,6010B	CF
Copper, Total	29		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:20	EPA 3050B	77,6010B	CF
Lead, Total	28		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:20	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:18	EPA 7470A	77,7471A	DM
Nickel, Total	12		ug Abs	1.2	1	08/09/06 14:45	08/10/06 12:20	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:20	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:20	EPA 3050B	77,6010B	CF
Zinc, Total	330		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:20	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-05	Date Collected:	08/02/06 09:09
Client ID:	WT-1B1	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	2.2		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:23	EPA 3050B	77,6010B	CF
Barium, Total	7.5		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:23	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:23	EPA 3050B	77,6010B	CF
Chromium, Total	1.4		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:23	EPA 3050B	77,6010B	CF
Copper, Total	5.0		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:23	EPA 3050B	77,6010B	CF
Lead, Total	9.6		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:23	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:20	EPA 7470A	77,7471A	DM
Nickel, Total	ND		ug Abs	1.2	1	08/09/06 14:45	08/10/06 12:23	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:23	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:23	EPA 3050B	77,6010B	CF
Zinc, Total	54		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:23	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-06	Date Collected:	08/02/06 09:10
Client ID:	WT-1B2	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	2.4		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:27	EPA 3050B	77,6010B	CF
Barium, Total	9.6		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:27	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:27	EPA 3050B	77,6010B	CF
Chromium, Total	3.0		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:27	EPA 3050B	77,6010B	CF
Copper, Total	9.1		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:27	EPA 3050B	77,6010B	CF
Lead, Total	3.9		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:27	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:22	EPA 7470A	77,7471A	DM
Nickel, Total	3.1		ug Abs	1.2	1	08/09/06 14:45	08/10/06 12:27	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:27	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:27	EPA 3050B	77,6010B	CF
Zinc, Total	58		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:27	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-07	Date Collected:	08/02/06 09:15
Client ID:	WT-3A	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	0.026		mg/l	0.005	1	08/07/06 19:00	08/09/06 16:57	EPA 3005A	77,6010B	CF
Barium, Total	0.17		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:57	EPA 3005A	77,6010B	CF
Cadmium, Total	0.006		mg/l	0.005	1	08/07/06 19:00	08/09/06 16:57	EPA 3005A	77,6010B	CF
Chromium, Total	0.51		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:57	EPA 3005A	77,6010B	CF
Copper, Total	0.85		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:57	EPA 3005A	77,6010B	CF
Lead, Total	3.90		mg/l	0.050	1	08/07/06 19:00	08/09/06 16:57	EPA 3005A	77,6010B	CF
Mercury, Total	0.0003		mg/l	0.0002	1	08/04/06 17:30	08/07/06 11:02	EPA 7470A	77,7470A	DM
Nickel, Total	0.149		mg/l	0.025	1	08/07/06 19:00	08/09/06 16:57	EPA 3005A	77,6010B	CF
Selenium, Total	ND		mg/l	0.010	1	08/07/06 19:00	08/09/06 16:57	EPA 3005A	77,6010B	CF
Silver, Total	0.010		mg/l	0.007	1	08/07/06 19:00	08/09/06 16:57	EPA 3005A	77,6010B	CF
Zinc, Total	3.0		mg/l	0.05	1	08/07/06 19:00	08/09/06 16:57	EPA 3005A	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-08	Date Collected:	08/02/06 09:25
Client ID:	WT-3B	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	ND		mg/l	0.005	1	08/07/06 19:00	08/09/06 17:01	EPA 3005A	77,6010B	CF
Barium, Total	0.02		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:01	EPA 3005A	77,6010B	CF
Cadmium, Total	ND		mg/l	0.005	1	08/07/06 19:00	08/09/06 17:01	EPA 3005A	77,6010B	CF
Chromium, Total	0.03		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:01	EPA 3005A	77,6010B	CF
Copper, Total	0.06		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:01	EPA 3005A	77,6010B	CF
Lead, Total	0.199		mg/l	0.050	1	08/07/06 19:00	08/09/06 17:01	EPA 3005A	77,6010B	CF
Mercury, Total	ND		mg/l	0.0002	1	08/04/06 17:30	08/07/06 11:03	EPA 7470A	77,7470A	DM
Nickel, Total	ND		mg/l	0.025	1	08/07/06 19:00	08/09/06 17:01	EPA 3005A	77,6010B	CF
Selenium, Total	ND		mg/l	0.010	1	08/07/06 19:00	08/09/06 17:01	EPA 3005A	77,6010B	CF
Silver, Total	ND		mg/l	0.007	1	08/07/06 19:00	08/09/06 17:01	EPA 3005A	77,6010B	CF
Zinc, Total	0.33		mg/l	0.05	1	08/07/06 19:00	08/09/06 17:01	EPA 3005A	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-09	Date Collected:	08/02/06 09:20
Client ID:	WT-3A1	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	2.1		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:30	EPA 3050B	77,6010B	CF
Barium, Total	12		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:30	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:30	EPA 3050B	77,6010B	CF
Chromium, Total	8.0		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:30	EPA 3050B	77,6010B	CF
Copper, Total	24		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:30	EPA 3050B	77,6010B	CF
Lead, Total	110		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:30	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:23	EPA 7470A	77,7471A	DM
Nickel, Total	8.4		ug Abs	1.2	1	08/09/06 14:45	08/10/06 12:30	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:30	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:30	EPA 3050B	77,6010B	CF
Zinc, Total	53		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:30	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-10	Date Collected:	08/02/06 09:20
Client ID:	WT-3A2	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	6.3		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:33	EPA 3050B	77,6010B	CF
Barium, Total	15		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:33	EPA 3050B	77,6010B	CF
Cadmium, Total	1.1		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:33	EPA 3050B	77,6010B	CF
Chromium, Total	61		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:33	EPA 3050B	77,6010B	CF
Copper, Total	140		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:33	EPA 3050B	77,6010B	CF
Lead, Total	62		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:33	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:25	EPA 7470A	77,7471A	DM
Nickel, Total	54		ug Abs	1.2	1	08/09/06 14:45	08/10/06 12:33	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:33	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:33	EPA 3050B	77,6010B	CF
Zinc, Total	290		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:33	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-11	Date Collected:	08/02/06 09:29
Client ID:	WT-3B1	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	6.9		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:37	EPA 3050B	77,6010B	CF
Barium, Total	14		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:37	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:37	EPA 3050B	77,6010B	CF
Chromium, Total	2.8		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:37	EPA 3050B	77,6010B	CF
Copper, Total	6.5		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:37	EPA 3050B	77,6010B	CF
Lead, Total	6.3		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:37	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:27	EPA 7470A	77,7471A	DM
Nickel, Total	2.5		ug Abs	1.2	1	08/09/06 14:45	08/10/06 12:37	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:37	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:37	EPA 3050B	77,6010B	CF
Zinc, Total	72		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:37	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-12	Date Collected:	08/02/06 09:30
Client ID:	WT-3B2	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	5.1		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:40	EPA 3050B	77,6010B	CF
Barium, Total	11		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:40	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:40	EPA 3050B	77,6010B	CF
Chromium, Total	3.3		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:40	EPA 3050B	77,6010B	CF
Copper, Total	10		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:40	EPA 3050B	77,6010B	CF
Lead, Total	6.2		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:40	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:32	EPA 7470A	77,7471A	DM
Nickel, Total	4.9		ug Abs	1.2	1	08/09/06 14:45	08/10/06 12:40	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:40	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:40	EPA 3050B	77,6010B	CF
Zinc, Total	16		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:40	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-13	Date Collected:	08/02/06 09:35
Client ID:	WT-2A	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	0.014		mg/l	0.005	1	08/07/06 19:00	08/09/06 17:04	EPA 3005A	77,6010B	CF
Barium, Total	0.08		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:04	EPA 3005A	77,6010B	CF
Cadmium, Total	0.006		mg/l	0.005	1	08/07/06 19:00	08/09/06 17:04	EPA 3005A	77,6010B	CF
Chromium, Total	0.26		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:04	EPA 3005A	77,6010B	CF
Copper, Total	0.39		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:04	EPA 3005A	77,6010B	CF
Lead, Total	2.61		mg/l	0.050	1	08/07/06 19:00	08/09/06 17:04	EPA 3005A	77,6010B	CF
Mercury, Total	ND		mg/l	0.0010	1	08/04/06 17:30	08/07/06 11:05	EPA 7470A	77,7470A	DM
Nickel, Total	0.108		mg/l	0.025	1	08/07/06 19:00	08/09/06 17:04	EPA 3005A	77,6010B	CF
Selenium, Total	ND		mg/l	0.010	1	08/07/06 19:00	08/09/06 17:04	EPA 3005A	77,6010B	CF
Silver, Total	ND		mg/l	0.007	1	08/07/06 19:00	08/09/06 17:04	EPA 3005A	77,6010B	CF
Zinc, Total	2.4		mg/l	0.05	1	08/07/06 19:00	08/09/06 17:04	EPA 3005A	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-14	Date Collected:	08/02/06 09:45
Client ID:	WT-2B	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	0.007		mg/l	0.005	1	08/07/06 19:00	08/09/06 17:08	EPA 3005A	77,6010B	CF
Barium, Total	0.02		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:08	EPA 3005A	77,6010B	CF
Cadmium, Total	ND		mg/l	0.005	1	08/07/06 19:00	08/09/06 17:08	EPA 3005A	77,6010B	CF
Chromium, Total	0.04		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:08	EPA 3005A	77,6010B	CF
Copper, Total	0.08		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:08	EPA 3005A	77,6010B	CF
Lead, Total	0.441		mg/l	0.050	1	08/07/06 19:00	08/09/06 17:08	EPA 3005A	77,6010B	CF
Mercury, Total	ND		mg/l	0.0002	1	08/04/06 17:30	08/07/06 11:07	EPA 7470A	77,7470A	DM
Nickel, Total	ND		mg/l	0.025	1	08/07/06 19:00	08/09/06 17:08	EPA 3005A	77,6010B	CF
Selenium, Total	ND		mg/l	0.010	1	08/07/06 19:00	08/09/06 17:08	EPA 3005A	77,6010B	CF
Silver, Total	ND		mg/l	0.007	1	08/07/06 19:00	08/09/06 17:08	EPA 3005A	77,6010B	CF
Zinc, Total	0.48		mg/l	0.05	1	08/07/06 19:00	08/09/06 17:08	EPA 3005A	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-15	Date Collected:	08/02/06 09:40
Client ID:	WT-2A1	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	2.1		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:58	EPA 3050B	77,6010B	CF
Barium, Total	9.0		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:58	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:58	EPA 3050B	77,6010B	CF
Chromium, Total	10		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:58	EPA 3050B	77,6010B	CF
Copper, Total	42		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:58	EPA 3050B	77,6010B	CF
Lead, Total	210		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:58	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:34	EPA 7470A	77,7471A	DM
Nickel, Total	11		ug Abs	1.2	1	08/09/06 14:45	08/10/06 12:58	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:58	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 12:58	EPA 3050B	77,6010B	CF
Zinc, Total	49		ug Abs	2.5	1	08/09/06 14:45	08/10/06 12:58	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-16	Date Collected:	08/02/06 09:40
Client ID:	WT-2A2	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	2.2		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:01	EPA 3050B	77,6010B	CF
Barium, Total	9.7		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:01	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:01	EPA 3050B	77,6010B	CF
Chromium, Total	25		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:01	EPA 3050B	77,6010B	CF
Copper, Total	12		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:01	EPA 3050B	77,6010B	CF
Lead, Total	300		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:01	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:36	EPA 7470A	77,7471A	DM
Nickel, Total	6.2		ug Abs	1.2	1	08/09/06 14:45	08/10/06 13:01	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:01	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:01	EPA 3050B	77,6010B	CF
Zinc, Total	38		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:01	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-17	Date Collected:	08/02/06 09:50
Client ID:	WT-2B1	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	2.6		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:05	EPA 3050B	77,6010B	CF
Barium, Total	8.3		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:05	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:05	EPA 3050B	77,6010B	CF
Chromium, Total	6.8		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:05	EPA 3050B	77,6010B	CF
Copper, Total	3.9		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:05	EPA 3050B	77,6010B	CF
Lead, Total	97		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:05	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:38	EPA 7470A	77,7471A	DM
Nickel, Total	1.8		ug Abs	1.2	1	08/09/06 14:45	08/10/06 13:05	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:05	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:05	EPA 3050B	77,6010B	CF
Zinc, Total	15		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:05	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-18	Date Collected:	08/02/06 09:50
Client ID:	WT-2B2	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	4.6		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:08	EPA 3050B	77,6010B	CF
Barium, Total	11		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:08	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:08	EPA 3050B	77,6010B	CF
Chromium, Total	1.6		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:08	EPA 3050B	77,6010B	CF
Copper, Total	6.0		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:08	EPA 3050B	77,6010B	CF
Lead, Total	50		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:08	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:40	EPA 7470A	77,7471A	DM
Nickel, Total	ND		ug Abs	1.2	1	08/09/06 14:45	08/10/06 13:08	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:08	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:08	EPA 3050B	77,6010B	CF
Zinc, Total	18		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:08	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-19	Date Collected:	08/02/06 09:55
Client ID:	C-1A	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	0.050		mg/l	0.005	1	08/07/06 19:00	08/09/06 17:11	EPA 3005A	77,6010B	CF
Barium, Total	0.23		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:11	EPA 3005A	77,6010B	CF
Cadmium, Total	0.012		mg/l	0.005	1	08/07/06 19:00	08/09/06 17:11	EPA 3005A	77,6010B	CF
Chromium, Total	0.84		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:11	EPA 3005A	77,6010B	CF
Copper, Total	5.1		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:11	EPA 3005A	77,6010B	CF
Lead, Total	3.72		mg/l	0.050	1	08/07/06 19:00	08/09/06 17:11	EPA 3005A	77,6010B	CF
Mercury, Total	ND		mg/l	0.0010	1	08/04/06 17:30	08/07/06 11:09	EPA 7470A	77,7470A	DM
Nickel, Total	0.313		mg/l	0.025	1	08/07/06 19:00	08/09/06 17:11	EPA 3005A	77,6010B	CF
Selenium, Total	ND		mg/l	0.010	1	08/07/06 19:00	08/09/06 17:11	EPA 3005A	77,6010B	CF
Silver, Total	0.014		mg/l	0.007	1	08/07/06 19:00	08/09/06 17:11	EPA 3005A	77,6010B	CF
Zinc, Total	7.9		mg/l	0.05	1	08/07/06 19:00	08/09/06 17:11	EPA 3005A	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-20	Date Collected:	08/02/06 10:03
Client ID:	C-1B	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	0.005		mg/l	0.005	1	08/07/06 19:00	08/09/06 17:18	EPA 3005A	77,6010B	CF
Barium, Total	0.02		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:18	EPA 3005A	77,6010B	CF
Cadmium, Total	ND		mg/l	0.005	1	08/07/06 19:00	08/09/06 17:18	EPA 3005A	77,6010B	CF
Chromium, Total	0.03		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:18	EPA 3005A	77,6010B	CF
Copper, Total	0.18		mg/l	0.01	1	08/07/06 19:00	08/09/06 17:18	EPA 3005A	77,6010B	CF
Lead, Total	0.200		mg/l	0.050	1	08/07/06 19:00	08/09/06 17:18	EPA 3005A	77,6010B	CF
Mercury, Total	ND		mg/l	0.0002	1	08/04/06 17:30	08/07/06 11:11	EPA 7470A	77,7470A	DM
Nickel, Total	ND		mg/l	0.025	1	08/07/06 19:00	08/09/06 17:18	EPA 3005A	77,6010B	CF
Selenium, Total	ND		mg/l	0.010	1	08/07/06 19:00	08/09/06 17:18	EPA 3005A	77,6010B	CF
Silver, Total	ND		mg/l	0.007	1	08/07/06 19:00	08/09/06 17:18	EPA 3005A	77,6010B	CF
Zinc, Total	0.52		mg/l	0.05	1	08/07/06 19:00	08/09/06 17:18	EPA 3005A	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-21	Date Collected:	08/02/06 10:00
Client ID:	L0611322	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	4.3		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:14	EPA 3050B	77,6010B	CF
Barium, Total	14		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:14	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:14	EPA 3050B	77,6010B	CF
Chromium, Total	12		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:14	EPA 3050B	77,6010B	CF
Copper, Total	64		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:14	EPA 3050B	77,6010B	CF
Lead, Total	210		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:14	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:41	EPA 7470A	77,7471A	DM
Nickel, Total	8.8		ug Abs	1.2	1	08/09/06 14:45	08/10/06 13:14	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:14	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:14	EPA 3050B	77,6010B	CF
Zinc, Total	450		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:14	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-22	Date Collected:	08/02/06 10:00
Client ID:	C-1A2	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	3.1		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:18	EPA 3050B	77,6010B	CF
Barium, Total	14		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:18	EPA 3050B	77,6010B	CF
Cadmium, Total	0.99		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:18	EPA 3050B	77,6010B	CF
Chromium, Total	30		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:18	EPA 3050B	77,6010B	CF
Copper, Total	98		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:18	EPA 3050B	77,6010B	CF
Lead, Total	81		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:18	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:43	EPA 7470A	77,7471A	DM
Nickel, Total	34		ug Abs	1.2	1	08/09/06 14:45	08/10/06 13:18	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:18	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:18	EPA 3050B	77,6010B	CF
Zinc, Total	360		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:18	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-23	Date Collected:	08/02/06 10:05
Client ID:	C-1B1	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	7.1		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:21	EPA 3050B	77,6010B	CF
Barium, Total	16		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:21	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:21	EPA 3050B	77,6010B	CF
Chromium, Total	1.3		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:21	EPA 3050B	77,6010B	CF
Copper, Total	15		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:21	EPA 3050B	77,6010B	CF
Lead, Total	7.3		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:21	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:45	EPA 7470A	77,7471A	DM
Nickel, Total	1.6		ug Abs	1.2	1	08/09/06 14:45	08/10/06 13:21	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:21	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:21	EPA 3050B	77,6010B	CF
Zinc, Total	98		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:21	EPA 3050B	77,6010B	CF

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

SAMPLE RESULTS

Lab ID:	L0611090-24	Date Collected:	08/02/06 10:05
Client ID:	C-1B2	Date Received:	08/03/06
Sample Location:	THOMASTON, CT	Field Prep:	Not Specified
Matrix:	Wipe		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series										
Arsenic, Total	10		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:27	EPA 3050B	77,6010B	CF
Barium, Total	16		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:27	EPA 3050B	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:27	EPA 3050B	77,6010B	CF
Chromium, Total	1.8		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:27	EPA 3050B	77,6010B	CF
Copper, Total	11		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:27	EPA 3050B	77,6010B	CF
Lead, Total	41		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:27	EPA 3050B	77,6010B	CF
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:47	EPA 7470A	77,7471A	DM
Nickel, Total	1.7		ug Abs	1.2	1	08/09/06 14:45	08/10/06 13:27	EPA 3050B	77,6010B	CF
Selenium, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:27	EPA 3050B	77,6010B	CF
Silver, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 13:27	EPA 3050B	77,6010B	CF
Zinc, Total	120		ug Abs	2.5	1	08/09/06 14:45	08/10/06 13:27	EPA 3050B	77,6010B	CF

Project Name: ENVIRITE **Lab Number:** L0611090

Project Number: 36935792 **Report Date:** 08/10/06

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series for sample(s): 01-02,07-08,13-14,19-20 Batch: WG248881-1									
Mercury, Total	ND		mg/l	0.0002	1	08/04/06 17:30	08/07/06 10:42	77,7470A	DM

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series for sample(s): 01-02,07-08,13-14,19-20 Batch: WG249093-1									
Arsenic, Total	ND		mg/l	0.005	1	08/07/06 19:00	08/09/06 16:30	77,6010B	CF
Barium, Total	ND		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:30	77,6010B	CF
Cadmium, Total	ND		mg/l	0.005	1	08/07/06 19:00	08/09/06 16:30	77,6010B	CF
Chromium, Total	ND		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:30	77,6010B	CF
Copper, Total	ND		mg/l	0.01	1	08/07/06 19:00	08/09/06 16:30	77,6010B	CF
Lead, Total	ND		mg/l	0.050	1	08/07/06 19:00	08/09/06 16:30	77,6010B	CF
Nickel, Total	ND		mg/l	0.025	1	08/07/06 19:00	08/09/06 16:30	77,6010B	CF
Selenium, Total	ND		mg/l	0.010	1	08/07/06 19:00	08/09/06 16:30	77,6010B	CF
Silver, Total	ND		mg/l	0.007	1	08/07/06 19:00	08/09/06 16:30	77,6010B	CF
Zinc, Total	ND		mg/l	0.05	1	08/07/06 19:00	08/09/06 16:30	77,6010B	CF

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series for sample(s): 03-06,09-12,15-18,21-24 Batch: WG249429-1									
Arsenic, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 11:57	77,6010B	CF
Barium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 11:57	77,6010B	CF
Cadmium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 11:57	77,6010B	CF
Chromium, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 11:57	77,6010B	CF
Copper, Total	ND		ug Abs	0.50	1	08/09/06 14:45	08/10/06 11:57	77,6010B	CF
Lead, Total	ND		ug Abs	2.5	1	08/09/06 14:45	08/10/06 11:57	77,6010B	CF
Nickel, Total	ND		ug Abs	1.2	1	08/09/06 14:45	08/10/06 11:57	77,6010B	CF

Project Name: ENVIRITE **Lab Number:** L0611090

Project Number: 36935792 **Report Date:** 08/10/06

Method Blank Analysis
Batch Quality Control

Selenium, Total	ND	ug Abs	2.5	1	08/09/06 14:45	08/10/06 11:57	77,6010B	CF
Silver, Total	ND	ug Abs	0.50	1	08/09/06 14:45	08/10/06 11:57	77,6010B	CF
Zinc, Total	ND	ug Abs	2.5	1	08/09/06 14:45	08/10/06 11:57	77,6010B	CF

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals by CT RCP 6000/7000 series for sample(s): 03-06,09-12,15-18,21-24 Batch: WG249458-1									
Mercury, Total	ND		ug Abs	0.05	1	08/09/06 17:25	08/10/06 13:11	77,7471A	DM

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: ENVIRITE
Project Number: 36935792

Lab Number: L0611090
Report Date: 08/10/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals by CT RCP 6000/7000 series Associated sample(s): 01-02,07-08,13-14,19-20 Batch: WG248881-2					
Mercury, Total	102	-	80-120	-	20
Total Metals by CT RCP 6000/7000 series Associated sample(s): 01-02,07-08,13-14,19-20 Batch: WG249093-2					
Arsenic, Total	103	-	80-120	-	20
Barium, Total	100	-	80-120	-	20
Cadmium, Total	109	-	80-120	-	20
Chromium, Total	95	-	80-120	-	20
Copper, Total	96	-	80-120	-	20
Lead, Total	103	-	80-120	-	20
Nickel, Total	100	-	80-120	-	20
Selenium, Total	110	-	80-120	-	20
Silver, Total	93	-	80-120	-	20
Zinc, Total	90	-	80-120	-	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ENVIRITE
Project Number: 36935792

Lab Number: L0611090
Report Date: 08/10/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals by CT RCP 6000/7000 series Associated sample(s): 03-06,09-12,15-18,21-24 Batch: WG249429-2 WG249429-3					
Arsenic, Total	80	83	75-125	4	30
Barium, Total	86	88	75-125	2	30
Cadmium, Total	90	90	75-125	0	30
Chromium, Total	89	90	75-125	1	30
Copper, Total	80	88	75-125	10	30
Lead, Total	86	86	75-125	0	30
Nickel, Total	84	84	75-125	0	30
Selenium, Total	77	80	75-125	4	30
Silver, Total	80	83	75-125	7	30
Zinc, Total	84	84	75-125	0	30
Total Metals by CT RCP 6000/7000 series Associated sample(s): 03-06,09-12,15-18,21-24 Batch: WG249458-2 WG249458-3					
Mercury, Total	100	100	75-125	0	30

Project Name: ENVIRITE
Project Number: 36935792

Lab Number: L0611090
Report Date: 08/10/06

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0611090-01A	Plastic 250ml HNO3 preserved	A	<2	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7470T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-02A	Plastic 250ml HNO3 preserved	A	<2	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7470T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-03A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-04A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-05A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-06A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-07A	Plastic 250ml HNO3 preserved	A	<2	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7470T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-08A	Plastic 250ml HNO3 preserved	A	<2	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7470T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T

Project Name: ENVIRITE
Project Number: 36935792

Lab Number: L0611090
Report Date: 08/10/06

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0611090-09A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-10A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-11A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-12A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-13A	Plastic 250ml HNO3 preserved	A	<2	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7470T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-14A	Plastic 250ml HNO3 preserved	A	<2	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7470T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-15A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-16A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-17A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-18A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T

Project Name: ENVIRITE
Project Number: 36935792

Lab Number: L0611090
Report Date: 08/10/06

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0611090-19A	Plastic 250ml HNO3 preserved	A	<2	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7470T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-20A	Plastic 250ml HNO3 preserved	A	<2	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7470T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-21A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-22A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-23A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T
L0611090-24A	Amber 100ml 0.2% HNO3 preserved	A	N/A	2.4 C	Y	Absent	CT-AG-6010T,CT-AS-6010T,CT-BA-6010T,CT-CD-6010T,CT-CR-6010T,CT-CU-6010T,CT-HG-7471T,CT-NI-6010T,CT-PB-6010T,CT-SE-6010T,CT-ZN-6010T

Container Comments

Project Name:	ENVIRITE	**Lab Number:**	L0611090
Project Number:	36935792	**Report Date:**	08/10/06

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.
LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD - Laboratory Control Sample Duplicate: Refer to LCS.
MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD - Matrix Spike Sample Duplicate: Refer to MS.
NA - Not Applicable.
NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND - Not detected at the reported detection limit for the sample.
RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Report Format: Not Specified

Project Name: ENVIRITE **Lab Number:** L0611090
Project Number: 36935792 **Report Date:** 08/10/06

REFERENCES

77 Connecticut DEP Quality Assurance and Quality Control Requirements for SW-846 Methods. CTDEP Reasonable Confidence Protocols (RCPs). Version 1.0, July 2005.

LIMITATION OF LIABILITIES

Alpha Woods Hole Labs performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Woods Hole Labs be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

08100616:57

CHAIN OF CUSTODY

PAGE 1 OF 3

ALPHA WOODS HOLE LABS

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/3/06

ALPHA Job #: L0611090

Client Information

Client: URS CORP

Address: ROCKY HILL, CT

Phone 860-529-8882

Fax: 860-529-3991

Email: gary_alicandro@urscorp

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: ENVIRITE

Project Location: THOMASTON, CT

Project #: 36935792

Project Manager: G. ALICANDRO

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 8/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
CTDEP RSR	RDEC

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

AMENDMENT 4A
ACID TANK AREA

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date (2006)	Collection Time	Sample Matrix	Sampler's Initials	MASS ANALYSIS: TOTAL METALS - RCRA B	Cu, Ni, Zn	ETPH	REACTIVITY (CN/S)	Sample Specific Comments	TOTAL # BOTTLES
11090-1	WT-1A	8-2	0850	R_1	GA	X	X		X		1
2	WT-1B	8-2	0909	R_F	GA	X	X	X			1
3	WT-1A1	8-2	0855	W_1	GA	X	X				1
4	WT-1A2	8-2	0855	W_1	GA	X	X				1
5	WT-1B1	8-2	0909	W_F	GA	X	X				1
6	WT-1B2	8-2	0910	W_F	GA	X	X				1
7	WT-3A	8-2	0915	R_1	GA	X	X		X		1
8	WT-3B	8-2	0925	R_F	GA	X	X	X			1
9	WT-3A1	8-2	0920	W_1	GA	X	X				1
10	WT-3A2	8-2	0920	W_1	GA	X	X				1
					Cortainer Type	P/A	P/A	P			
					Freservative	C	C				

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
ALICANDRO	8/3/06	[illegible]	8/3/06 1300
[illegible]	8/3/06 1730	T. Flaherty	8/3/06 1730

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 10-OCT-05)

CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA WORK HOLE LABS
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/3/06

ALPHA Job #: L0611090

Client Information

Client: URS CORP
Address: ROCKY HILL, CT
Phone: 860-529-8882
Fax: 860-529-3991
Email: gary_alicandro@urscorp
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: ENVIRITE
Project Location: THOMASTON, CT
Project #: 36935792
Project Manager: G ALICANDRO
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 8/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
CTDEP RSR	RDEC

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
AMENDMENT 4A
ACID TANK AREA

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MASS ANALYSIS; TOTAL METALS - RCRA 8	CN, Ni, Zn	FLPH	REACTIVITY (CN/S)								Sample Specific Comments	TOTAL # BOTTLES
1090.11	WT-3B1	8-2	0929	WF	GA	X	X											1
12	WT-3B2	8-2	0930	WF	GA	X	X											1
13	WT-2A	8-2	0935	R1	GA	X	X		X									1
14	WT-2B	8-2	0945	RF	GA	X	X	X										1
15	WT-2A1	8-2	0940	W1	GA	X	X											1
16	WT-2A2	8-2	0940	W1	GA	X	X											1
17	WT-2B1	8-2	0950	WF	GA	X	X											1
18	WT-2B2	8-2	0950	WF	GA	X	X											1
19	C-1A	8-2	0955	R1	GA	X	X		X									1
20	C-1B	8-2	1003	RF	GA	X	X	X										1
					Container Type	P/A	P/A	P										
					Preservative	C	C											

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
ALICANDRO	8/3/06	[illegible]	8/3/06 1320
[illegible]	8/3/06 1730	T. Flaherty	8/3/06 1730

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NC: 01-01 (rev. 10-OCT-05)

08100616:57

CHAIN OF CUSTODY

PAGE 3 OF 3

Date Rec'd in Lab: 8/3/06

ALPHA Job #: L0611090

ALPHA WORLD WIDE LABS
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: URS CORP
Address: ROCKY HILL, CT
Phone: 860-529-8882
Fax: 860-529-3991
Email: gary_alicandro@urscorp
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: ENVIRITG
Project Location: THOMASTON, CT
Project #: 36935792
Project Manager: G. ALICANDRO
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 8/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
CTDEP RSR	RDEC

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
AMENDMENT 4A
ACID TANK AREA

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date (2006)	Collection Time	Sample Matrix	Sampler's Initials	MASS ANALYSIS: TOTAL METALS - RCRA 8	- Cu, Ni, Zn	- ETPH	- REACTIVITY (CN/S)	Sample Specific Comments	TOTAL # BOTTLES
1090-21	C-1A1	8-2	1000	W1	GA	X	X				1
22	C-1A2	8-2	1000	W1	GA	X	X				1
23	C-1B1	8-2	1005	WF	GA	X	X				1
24	C-1B2	8-2	1005	WF	GA	X	X				1

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

24

Container Type	P/A	P/A	P
Preservative	C	C	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
ALICANDRO	8/3/06	[illegible]	8/3/06 1300
[illegible]	8/3/06 1730	T. Flaherty	8/3/06 1730

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 10-OCT-05)