EA Laboratories

19 Loveton Circle
Sparks, MD 21152
Telephone: 410-771-4920
Fax: 410-771-4407

5381
0123-SR-2
5382
0162-SR-2

June 24, 1997

Mr. Al Eckert
Arkansas Department of Pollution Control and Ecology
Solid Waste Management Division
8001 National Drive
P.O. Box 8913
Little Rock, Arkansas 72219-8913

Re: Groundwater Monitoring Data Submittal
Tontitown Landfill Permit Numbers 123-SR-2 and/or 162-SR-2

Dear Mr. Eckert:

In accordance with Chapter 12 of Regulation 22, Rules for Solid Waste Management, the Tontitown Landfill, Inc. has performed thequarterly groundwater sampling event at the subject facility on April 30, 1997. Analytical report number is 970574 from EA Laboratories for samples collected during this event are enclosed. Included in the subject reports are copies of field parameter forms completed during the sampling event. Observations and measurements made in the field are listed on these forms.

If you have any questions concerning the enclosed analytical reports, please contact me at 410-771-4920. If you have any other questions concerning the environmental compliance at the subject site, please contact either Mr. Michael Dae of USA Waste at 404-799-2950 or Mr. Kevin Hodges of USA Waste at 501-751-7024.

Sincerely,

R. Thomas Randall
Laboratory Project Manager

enclosure
cc: Michael S. Dae, w/o enclosure
Kevin Hodges, w/o enclosure

EA Laboratories

19 Loveton Circle
Sparks, MD 21152
Telephone: 410-771-4920
Fax: 410-771-4407

27 May 1997

Mr. Mike Dae
USA Waste Services Company
3001 South Pioneer Drive
Smyrna, GA 30080

Re: Tontitown Landfill (70110.01)

Dear Mr. Dae:

Enclosed is our report on the analysis of twelve water samples, and one equipment blank collected for the Tontitown Landfill project on 30 April and 1 May 1997. The invoice is included.

Please contact me if you have any questions or require further information and refer to report 970574. Unless other arrangements are made, we reserve the right to dispose of your samples sixty (60) days from the date of this letter. We will retain the raw data for seven years from this date.

Sincerely,

R. Thomas Randall
Laboratory Project Manager

enclosure
cc: Kevin Hodges

LABORATORY DATA REPORT

Prepared for:

Tontitown Landfill

Prepared by:

EA Laboratories
19 Loveton Circle
Sparks, Maryland 21152

Report 970574

May 1997

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Tontitown Landfill
EA Laboratories Report No. 970574

TABLE OF CONTENTS
Tontitown Landfill
EA Laboratories Report No. 970574

1. NARRATIVE

EA Laboratories
ANALYTICAL NARRATIVE

Client: **USA Waste**
Site: **Tontitown Landfill**
Project number: **70110.01**

EA Laboratories Report: **970574**
Laboratory Project Manager: **R. Thomas Randall**
Report Date: **27 May 1997**

This report contains the results of the analysis of twelve water samples, and one equipment blank collected on 30 April and 1 May 1997 in support of the referenced project.

SAMPLE RECEIPT

The samples, one equipment blank, and one trip blank arrived by Federal Express at EA Laboratories on 1 and 2 May 1997. Upon receipt, the samples and blanks were inspected and compared with the chain-of-custody records. The samples and blanks were then logged into the laboratory computer system with assigned laboratory accession numbers and released for analysis.

Client Sample Designation	EA Lab Number
MW-2R	9704324
MW-6	9704325
MW-11	9704326
MW-7	9704327
MW-8	9704328
MW-12	9704329
MW-9	9704330
MW-10	9704331
MW-4	9704332
MW-3	9704333
EB (EQUIPMENT BLANK)	9704334
TRIP BLANK	9704335
MW-5	9704388
MW-1	9704389

Following this narrative section are a description of analytical methods (Table 1), a glossary of data qualifiers used in this report (Table 2), and the original chain-of-custody records. Analytical results and quality control information are summarized in the appended data package which has been formatted to be consistent with the deliverable requirements of this project.

QUALITY CONTROL

The following sections are ordered as the data appears in this report. They contain observations made during sample analysis, summarize the results of quality control measurements, and address the impact on data usability based upon project Data Quality Objectives. For each fractional

analysis the narrative includes:

- Sample chronology: This section summarizes the sample history by fraction including the sample preparation method and date, analytical method, and analysis date. Anything unusual about the samples, digestates, or extracts is identified. Holding time compliance is evaluated in this section.

- Laboratory method performance: All quality control criteria for method performance must be met for all target analytes for data to be reported. These criteria generally apply to instrument tune, calibration, method blanks, and Laboratory Control Samples (LCS). In some instances where method criteria fail, useable data can be obtained and are reported with client approval. The narrative will then include a thorough discussion of the impact on data quality.

- Sample performance: Quality control field samples are analyzed to determine any measurement bias due to the sample matrix based on evaluation of matrix spikes (MS), matrix spike duplicates (MSD), and laboratory duplicates (D). If acceptance criteria are not met, matrix interferences are confirmed either by reanalysis or by inspection of the LCS results to verify that laboratory method performance is in control. Data are reported with appropriate qualifiers or discussion.

VOLATILES by GC/MS - WATER (EA9704324 - EA9704335, EA9704388 - EA9704389)

Sample Chronology: Fourteen samples and associated quality control were analyzed on 12 - 15 May 1997 for the project specified analyte list by USEPA SW-846, Methods 5030A/8260B using a 25mL purge volume. All holding times were met.

The batch matrix spike/matrix spike duplicate (MS/MSD) performed with the 12 - 13 May 1997 analytical sequence was performed on another USA Waste sample. An LCS duplicate was performed with the 15 May 1997 analytical sequence in lieu of a MS/MSD.

Laboratory Method Performance: All laboratory method performance criteria were met for the reported samples with the following exception:

- The recoveries of the surrogate bromofluorobenzene were above the upper QC limit of 115% in the LCS (119%) and LCS duplicate (116%) in the 15 May 1997 analytical sequence. All compound recoveries in both LCSs were within QC limits. The high surrogate recoveries may indicate a high bias to some of the reported results in sample MW-1.

EA Laboratories
ANALYTICAL NARRATIVE

Client: **USA Waste**
Site: **Tontitown Landfill**
Project number: **70110.01**

EA Laboratories Report: **970574**
Laboratory Project Manager: **R. Thomas Randall**
Report Date: **27 May 1997**

Sample Performance: All quality control criteria were met for the reported samples.

METALS - WATER (EA9704324-EA9704334, EA9704388-EA9704389)

Sample Chronology: Thirteen samples were prepared (SW846 methods 3010/3020) on 13-19 May 1997 and analyzed for Appendix I metals (SW846 methods 6010/7841) on 14-23 May 1997.

Laboratory Method Performance: All laboratory method performance criteria were met for the reported samples.

Sample Performance: All quality control criteria were met for the reported samples.

METALS - WATER (EA9704324-EA9704334, EA9704388-EA9704389)

Sample Chronology: Thirteen samples were prepared on 13-21 May 1997 and analyzed for total metals (EPA methods 200.7/245.1) on 16-23 May 1997.

Laboratory Method Performance: All laboratory method performance criteria were met for the reported samples.

Sample Performance: All quality control criteria were met for the reported samples.

GENERAL CHEMISTRY - WATER (EA9704324-EA9704334, EA9704388-EA9704389)

Sample Chronology: Thirteen samples were analyzed for the following USEPA methods. All holding times were met for the reported samples.

Parameter	Sample#	Method#	PrepDate	AnalysisDate
Nitrate+Nitrite	4324-4334	353.2	N/A	9 May 1997
Alkalinity	All	310.1	N/A	14 May 1997
pH	All	150.1	N/A	1-2 May 1997
Turbidity	All	180.1	N/A	1-2 May 1997 COD
	All	410.1	6 May 1997	6 May 1997
Ammonia	All	350.1	13 May 1997	13 May 1997
TOC	All	415.1	N/A	20 May 1997
Chloride	4324-4334	325.2	N/A	21 May 1997
Sulfate	4324-4334	375.4	N/A	8 May 1997

EA Laboratories
ANALYTICAL NARRATIVE

Client: **USA Waste**
Site: **Tontitown Landfill**
Project number: **70110.01**

EA Laboratories Report: **970574**
Laboratory Project Manager: **R. Thomas Randall**
Report Date: **27 May 1997**

Cyanide	All	335.4	12 May 1997	12 May 1997
TDS	All	160.1	N/A	5 May 1997

Laboratory Method Performance: All laboratory method performance criteria were met for the reported samples.

Sample Performance: All quality control criteria were met for the reported samples.

ANIONS - WATER (EA9704388, EA9704389)

Sample Chronology: Two samples were analyzed on 2 May 1997 by USEPA SW-846, Method 300.0 for anions. All holding times were met.

Laboratory Method Performance: All laboratory method performance criteria were met for the reported samples.

Sample Performance: All quality control criteria were met for the reported samples with the following exceptions;

- the MSD, performed on sample MW-5, had the recovery of chloride (39%) below the lower QC limit of 50%. The MS recovery for chloride was 52%. This recovery may have been bias by the native concentration of chloride in the sample. Also, the RPD between the MS/MSD recoveries of chloride (28%) was above the QC limit of 25%. The LCS recovery of chloride was 109% indicating acceptable method performance.

CERTIFICATION OF RESULTS

The Laboratory certifies that this report meets the project requirements for analytical data as stated in the Analytical Task Order (ATO) and the chain-of-custody. In addition, the Laboratory certifies that the data as reported meet the Data Quality Objectives for precision, accuracy, and completeness specified for this project or as stated in EA Laboratories Quality Assurance program for other than the conditions detailed above. It is recommended by the Laboratory that this analytical report should only be reproduced in its entirety. EA Laboratories is not responsible for any assumptions of data quality if partial packages are used to interpret data.

EA Laboratories
ANALYTICAL NARRATIVE

Client: **USA Waste**
Site: **Tontitown Landfill**
Project number: **70110.01**

EA Laboratories Report: **970574**
Laboratory Project Manager: **R. Thomas Randall**
Report Date: **27 May 1997**

Release of the data contained in this report has been authorized by the appropriate Laboratory Manager as verified by the following signature.

R Thomas Randall 27 May 1997

R. Thomas Randall, Laboratory Production Manager

TABLE 1. ANALYTICAL METHODS

Parameter	Method	Method Number	Matrix	Reference
SAMPLE PREPARATION				
Total Metals Digestion (FAA/ICP)	Nitric Acid - Hydrochloric Acid	3010	W	(3)
Volatile Organics Preparation	Purge and trap	5030	W	(3)
ORGANICS				
Chemical Oxygen Demand	Colorimetric - Manual	410.4	W	(2)
Total Organic Carbon	Oxidation - Infrared	415.2	W	(2)
Volatile Organic Compounds	Gas Chromatography/Mass Spectrometry	8260	W	(3)
METALS				
Aluminum	Atomic Emission - ICP	6010	W	(3)
Arsenic	Atomic Absorption - Furnace	7060	W	(3)
Barium	Atomic Emission - ICP	6010	W	(3)
Cadmium	Atomic Emission - ICP	6010	W	(3)
Calcium	Atomic Emission - ICP	6010	W	(3)
Chromium, Total	Atomic Emission - ICP	6010	W	(3)
Cobalt	Atomic Emission - ICP	6010	W	(3)
Iron	Atomic Emission - ICP	6010	W	(3)

TABLE 1. ANALYTICAL METHODS

Parameter	Method	Method Number	Matrix	Reference
Lead	Atomic Absorption - Furnace	7421	W	(3)
Magnesium	Atomic Emission - ICP	6010	W	(3)
Manganese	Atomic Emission - ICP	6010	W	(3)
Mercury	Atomic Absorption - Cold Vapor	7470	W	(3)
Nickel	Atomic Emission - ICP	6010	W	(3)
Potassium	Atomic Emission - ICP	6010	W	(3)
Selenium	Atomic Absorption - Furnace	7740	W	(3)
Silver	Atomic Emission - ICP	6010	W	(3)
Sodium	Atomic Emission - ICP	6010	W	(3)
Thallium	Atomic Absorption - Furnace	7841	W	(3)
Vanadium	Atomic Emission - ICP	6010	W	(3)
Zinc	Atomic Emission - ICP	6010	W	(3)
INORGANIC NONMETALS				
Bicarbonate/Carbonate	Calculation	130.1	W	(1)
Chloride	Colorimetric - Ferricyanide	325.2	W	(2)
Cyanide, Total	Semiautomated Spectrophotometric	335.2	W	(4)

TABLE 1. ANALYTICAL METHODS

Nitrogen, Ammonia	Colorimetric - Automated Phenate	350.1	W	(2)
Nitrogen, Nitrate+Nitrite	Colorimetric - Cadmium Reduction	353.2	W	(2)
Sulfate	Turbidimetric	375.4	W	(2)
PHYSICAL DETERMINATIONS				
Residue, Total Filterable	Gravimetric - 180C	160.1	W	(1)
Turbidity	Nephelometric	180.1	W	(1)

Matrix codes:

W - Estuarine water, ground water, leachates, ocean water, surface water, and wastewater

References:

1. American Public Health Association, American Water Works Association, Water Pollution Control Federation. 1985. Standard Methods for the Examination of Water and Wastewater, 16th edition. APHA, Washington, D.C.

2. United States Environmental Protection Agency. 1979. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-020. U.S. EPA, Cincinnati, Ohio.

3. United States Environmental Protection Agency. August 1993. Test Methods for Evaluating Solid Waste. Physical/Chemical Methods. EPA SW-846, 3rd edition, including Final Update I. U.S. EPA, Washington, D.C.

4. United States Environmental Protection Agency. September 1991. U.S. EPA Contract Laboratory Program. Statement of Work for Inorganics Analysis. ILM02.1. U.S. EPA, Washington, D.C.

2. CHAIN OF CUSTODY

Chain of Custody Record

Company Name: USA Waste	Project Manager or Contact: Mike Doc / Kevin Hodges
Project No. 70110.01	Phone:
Dept.: Task:	Project Name: Tontitown Landfill Groundwater 1997
Sample Storage Location: D5	ATO Number: April/May
Page 1 of 1	Report #: 970574

EA Laboratories
19 Loveton Circle
Sparks, MD 21152
Telephone: (410) 771-4920
Fax: (410) 771-4407

Report Deliverables: 1 (2) 3 4 D (E)

EDD: Yes/(No)

DUE TO CLIENT: 5/22/97

97 Date	Time	Water	Soil	Sample Identification 19 Characters	No. of Containers	Appx I VOA 8260 Signal	Appx I Metals 6010/7000	Sulfate 375.1	TDS 160.1 / COD 410.4	Ammonia 350.1	Bicarbonate Alkalinity 310.1	Nitrate 353.2 calc	Cyanide 335.2	Chloride 325.2	TOC 415.2	Metals 200 Series	Turbidity 180.1	EA Labs Accession Number	Remarks
4-30	0915	X		MW-2R	9	✓												9704324	LPM: RANDALL
4-30	0950	X		MW-6	9	✓											✓	9704325	
4-30	1020	X		MW-11	9	✓												9704326	200 Series Metals
4-30	1055	X		MW-7	9	✓												9704327	Ca, Fe, Mg, Mn, K
4-30	1125	X		MW-8	9	✓												9704328	Na, Hg
4-30	0830	X		MW-12	9	✓												9704329	
4-30	1200	X		MW-9	9	✓												9704330	
4-30	1330	X		MW-10	9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		9704331	
4-30	1400	X		MW-4	9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		9704332	
4-30	1415	X		MW-3	9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		9704333	
4-30	1140	X		EB (equipment blank)	9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		9704334	
—	—	X		TRIP BLANK	2	✓												9704335	
																			L11549
				1997								1997				M/S 5/1/97			COC#0636

Samples by: (Signature)	Date/Time 4-30 1445	Relinquished by: (Signature)	Date/Time 4-30 1500	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by Laboratory: (Signature)	Date/Time 5/1/97 1000	Airbill Number: 4605176446	Sample Shipped by: (Circle) Fed Ex Puro. UPS Hand Carried Other:

Cooler Temp. 1.6-2 C pH: (X) Yes ( ) No Comments: BC2 G12 Custody Seals Intact ( ) Yes (X) No none

NOTE: Please indicate method number for analyses requested. This will help clarify any questions with laboratory techniques.

WHITE—EA Laboratories YELLOW—EA Laboratories PINK—Project Manager *Shaded Areas for Lab Use Only*

Chain of Custody Record

EA Laboratories
19 Loveton Circle
Sparks, MD 21152
Telephone: (410) 771-4920
Fax: (410) 771-4407

Company Name: USA Waste
Project Manager or Contact: Kevin Hydeger Mike Dale
Project No. 70110.01
Phone:
Dept.: Task:
Project Name: Tontitown LF GW
Sample Storage Location: C11 / VOA Walk in
ATO Number:
Page of
Report #: 970574 Batched

Report Deliverables: 1 (2) 3 4 D (E)
EDD: Yes (No)
DUE TO CLIENT: 5/23/97

1997 Date	Time	Water	Soil	Sample Identification 19 Characters	No. of Containers	Apx. I VOA 25 ml Purge & Soc	Apx. I Metals 6010/7000	SO4 375.4	TDS 160.1 / COD 410.4	Ammonia 350.1	Bicarb 310.1	Nitrate - 300.0 IC	Cyanide 335.4	Chloride 300.0 IC	TOC 415.2	Metals 200 Series	Turbidity 180.1	EA Labs Accession Number	Remarks
5-1	1500	X		MW-5	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9704388	LPM: MA
5-1	1600	X		MW-1	9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9704389	
																			LL1549
																			200 Series Metals
																			Ca, Fe, Mg, Mn, K
																			Na, Hg
																			COC0000643
																			Sample MW-5 Pink
																			in Color
																			Sample MW-1 - orange
																			in Color
																			Color due to Dye Study
																			prior to Sampling
																			Nitrate + Chloride Methods
																			Changed due to
																			Color of Sample
																			per Dave Jagos
																			Genesis Env 5/14/97

Samples by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by Laboratory: (Signature) Archer	Date/Time 5/2/97 1000	Airbill Number: 478896644 1	Sample Shipped by: (Circle) Fed Ex Puro. UPS Hand Carried Other:

Cooler Temp. 18 C pH: (X) Yes ( ) No Comments: BC2 G12 Custody Seals Intact ( ) Yes (X) No none

NOTE: Please indicate method number for analyses requested. This will help clarify any questions with laboratory techniques.

WHITE—EA Laboratories YELLOW—EA Laboratories PINK—Project Manager *Shaded Areas for Lab Use Only*

3. VOLATILES DATA

A. QC Summary

LCS Recovery Report

Lab Name : EA Laboratories File ID : VJ9A0893.D Instrument: VJ9

Sample : LCS,VL705124,WATER,25ml Date Analyzed: 12 May 97

Matrix : WATER - 25ML Date Sampled:

Client : Project : Method : 826025.M

Spike Compound	Spike Added	Spike Res	Spike %Rec	QC Limits % Rec
1,1-Dichloroethene	10	10.5	105	75-118
Benzene	10	9.6	96	78-123
Trichloroethene	10	8.9	89	73-122
Toluene	10	9.7	97	77-122
Chlorobenzene	10	9.8	98	79-123

* - Indicates values outside of QC limits

This LCS has been checked and is (within) \ outside current limits

Analyst 6/23/97 Date Non-conformance form no.

LCS Recovery Report

Lab Name : EA Laboratories File ID : VJ9A0908.D Instrument: VJ9

Sample : LCS,VL705131,WATER,25ml Date Analyzed: 13 May 97

Matrix : WATER - 25ML Date Sampled:

Client : Project : Method : 826025.M

Spike Compound	Spike Added	Spike Res	Spike %Rec	QC Limits % Rec
1,1-Dichloroethene	10	9.6	96	75-118
Benzene	10	9.1	91	78-123
Trichloroethene	10	8.6	86	73-122
Toluene	10	9.5	95	77-122
Chlorobenzene	10	9.4	94	79-123

* - Indicates values outside of QC limits

This LCS has been checked and is (within) \ outside current limits

Analyst [signature] 5/23/97 Date Non-conformance form no.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VB705124

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0892.D

Level: (low/med) Date Received:

% Moisture: not dec. 0 Date Analyzed: 5/12/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VB705124

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0892.D

Level: (low/med) Date Received:

% Moisture: not dec. 0 Date Analyzed: 5/12/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VB705131

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0907.D

Level: (low/med) Date Received:

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VB705131

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0907.D

Level: (low/med) Date Received:

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VB705157

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0932.D

Level: (low/med) Date Received:

% Moisture: not dec. 0 Date Analyzed: 5/15/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: VB705157

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0932.D

Level: (low/med) Date Received:

% Moisture: not dec. 0 Date Analyzed: 5/15/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

B. Sample Data

5. GENERAL CHEMISTRY DATA

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704334 **CLIENT ID:** EB

PARAMETER	CONC	UNITS
Ammonia	<0.1	mgN/L
Alkalinity	<1.0	mg/L
Bicarbonate	<1.0	mg/L CaCO3
Chloride	<1.0	mg/L
COD	10.0	mg/L
Cyanide	<0.01	mg/L
Nitrate	<0.05	mg/L
pH	7.1	pH units
TDS	<10.0	mg/L
TOC	<1.0	mg/L
Sulfate	<2.0	mg/L
Turbidity	<1.0	NTU

A. Analytical Results

B. Quality Control Data

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: Laboratory Control Sample

PARAMETER	% RECOVERY
Ammonia	98.4
Alkalinity	98.1
Chloride	105
COD	106
Cyanide	93.3
Nitrate	99.8
pH	99.3
TDS	94.0
TOC	103
Sulfate	95.0
Turbidity	96.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: Method Blank

PARAMETER	CONC	UNITS
Ammonia	<0.1	mgN/L
Alkalinity	<1.0	mg/L
Bicarbonate	<1.0	mg/L CaCO3
Chloride	<1.0	mg/L
COD	<10.0	mg/L
Cyanide	<0.01	mg/L
Nitrate	<0.05	mg/L
TDS	<10.0	mg/L
TOC	<1.0	mg/L
Sulfate	<2.0	mg/L
Turbidity	<1.0	NTU

6. ANIONS DATA

A. Analytical Results

METHOD 300.0 ANION ANALYSIS DATA SHEET

SAMPLE NO.

MW-5

Lab Name: EA Laboratories

Project No.:

Matrix: (soil/water) WATER

Lab Sample ID: 9704388

Sample wt/vol: 0.1 (g/mL) mL

Lab File ID: LC3A428.D

Level: (low/med) LOW

Date Sampled: 5/1/97

% Moisture: 0

Date Extracted: NA

Extract Volume: 0.1 (mL)

Date Analyzed: 05/02/97

Injection Volume: 100 (uL)

Dilution Factor: 1

Compound	Concentration Units: (mg/L or mg/Kg) mg/L	Q
CHLORIDE	36	
NITRATE-N	1.1	

Results based on single column analysis.

SAMPLE NO.

MW-1

METHOD 300.0 ANION ANALYSIS DATA SHEET

Lab Name: EA Laboratories

Project No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 9704389

Sample wt/vol: 0.1 (g/mL) mL

Lab File ID: LC3A432.D

Level: (low/med) LOW

Date Sampled: 5/1/97

% Moisture: 0

Date Extracted: NA

Extract Volume: 0.1 (mL)

Date Analyzed: 05/02/97

Injection Volume: 100 (uL)

Dilution Factor: 1

Compound	Concentration Units: (mg/L or mg/Kg) mg/L	Q
CHLORIDE	35	
NITRATE-N	0.66	

Results based on single column analysis.

B. Quality Control Data

SAMPLE NO.

B-451

ICV/LCS SUMMARY SHEET
METHOD 300.0

Lab Name: EA Laboratories

Project No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ICV/LCS

Sample wt/vol: 0.1 (g/mL) mL

Lab File ID: LC3A426.D

Level: (low/med) LOW

Date Received: NA

% Moisture: _____

Date Extracted: NA

Concentrated Extract Volume: 100 (uL)

Date Analyzed: 05/02/97

Injection Volume: 100 (uL)

Dilution Factor: 1

Concentration Units: mg/L

(mg/L or mg/Kg)

Compound	True	Found	%R	LIMITS
FLUORIDE	5.0	5.4	108	90-110
CHLORIDE	5.0	5.5	109	90-110
NITRITE-N	5.0	5.5	109	90-110
BROMIDE	5.0	5.2	104	90-110
NITRATE-N	5.0	5.5	109	90-110
PHOSPHATE-P	5.0	5.3	106	90-110
SULFATE	5.0	5.4	108	90-110

Results based on single column analysis.

SAMPLE NO.

DDI

METHOD 300.0 ANION ANALYSIS DATA SHEET

Lab Name: EA Laboratories

Project No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ICB

Sample wt/vol: 0.1 (g/mL) mL

Lab File ID: LC3A427.D

Level: (low/med) LOW

Date Sampled: NA

% Moisture: 0

Date Extracted: NA

Extract Volume: 0.1 (mL)

Date Analyzed: 05/02/97

Injection Volume: 100 (uL)

Dilution Factor: 1

Compound	Concentration Units: (mg/L or mg/Kg) mg/L	Q
CHLORIDE	0.10	U
NITRATE-N	0.10	U

Results based on single column analysis.

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET [redacted]

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704334

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0896.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/12/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	[redacted]	[redacted]	
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	J
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704334

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0896.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/12/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704335

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0895.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/12/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704335

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0895.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/12/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704389

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0934.D

Level: (low/med) Date Received: 5/2/97

% Moisture: not dec. 0 Date Analyzed: 5/15/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	[redacted]	[redacted]	
74-83-9	Bromomethane	1	U
75-00-3	[redacted]	[redacted]	
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	[redacted] ?
75-34-3	[redacted]	[redacted]	
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	[redacted]	[redacted]	
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	[redacted]	[redacted]	
79-01-6	Trichloroethene	1	[redacted] ?
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704389

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0934.D

Level: (low/med) Date Received: 5/2/97

% Moisture: not dec. 0 Date Analyzed: 5/15/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	[redacted]	[redacted]
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	[redacted]	[redacted]	
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2R

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704324

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0903.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2R

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704324

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0903.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704333

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0919.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/14/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	[redacted]	[redacted]	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	[redacted]	[redacted]	
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	[redacted]	[redacted]	[redacted]
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	[redacted]	[redacted]	[redacted]
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704333

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0919.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/14/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704332

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0918.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
74-87-3	Chloromethane	1	U
75-01-4	[redacted]	[redacted]	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	[redacted]	[redacted]	
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	[redacted]	[redacted]	
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	[redacted]	[redacted]	
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	[redacted]	[redacted]	[redacted] ?
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704332

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0918.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704388

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0920.D

Level: (low/med) Date Received: 5/2/97

% Moisture: not dec. 0 Date Analyzed: 5/14/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	[redacted]	[redacted]	
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	[redacted]	[redacted]	
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	[redacted]	[redacted]	
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	[redacted]	[redacted]	
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	[redacted]	[redacted]	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704388

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0920.D

Level: (low/med) Date Received: 5/2/97

% Moisture: not dec. 0 Date Analyzed: 5/14/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
127-18-4	[redacted]	[redacted]	
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704325

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0904.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
74-87-3	Chloromethane	1	U
75-01-4	[redacted]	[redacted]	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	[redacted]	[redacted]	
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	[redacted]	[redacted]	
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	[redacted]	[redacted]	
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	[redacted]	[redacted]	
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	[redacted]	[redacted]	[redacted]
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	[redacted]	[redacted]	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704325

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0904.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	[redacted]	[redacted]	
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704327

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0913.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	[redacted]	[redacted]	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	[redacted]	[redacted]	
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	[redacted]	[redacted]	
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	[redacted]	[redacted]	
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704327

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0913.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704328

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0914.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704328

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0914.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704330

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0916.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	[redacted]	[redacted]	
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	[redacted]	[redacted]	
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	[redacted] ?
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704330

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0916.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704331

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0917.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704331

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0917.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704326

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0910.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704326

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0910.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704329

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0915.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
74-88-4	Iodomethane	1	U
75-09-2	Methylene Chloride	1	U
75-15-0	Carbon Disulfide	1	U
107-13-1	Acrylonitrile	25	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
106-93-4	1,2-Dibromoethane (EDB)	1	U
591-78-6	2-Hexanone	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12

Lab Name: EA LABORATORIES Contract:

Lab Code: EA ENG Case No.: SAS No.: 8260 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 9704329

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: VJ9A0915.D

Level: (low/med) Date Received: 5/1/97

% Moisture: not dec. 0 Date Analyzed: 5/13/97

GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

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

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylenes (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
110-57-6	trans-1,4-Dichloro-2-butene	20	U

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704389 **CLIENT ID:** MW-1

PARAMETER	CONC	UNITS
Ammonia	0.27	mgN/L
Alkalinity	450	mg/L
Bicarbonate	450	mg/L CaCO3
[redacted]	[redacted]	mg/L
Cyanide	<0.01	mg/L
pH	6.6	pH units
[redacted]	[redacted]	mg/L
TOC	3.3	mg/L
Sulfate	16.8	mg/L
[redacted]	[redacted]	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704324 **CLIENT ID:** MW-2R

PARAMETER	CONC	UNITS
Ammonia	0.17	mgN/L
Alkalinity	94.8	mg/L
Bicarbonate	94.8	mg/L CaCO3
Chloride	11.0	mg/L
COD	10.0	mg/L
Cyanide	<0.01	mg/L
Nitrate	2.2	mg/L
pH	7.8	pH units
TDS	172	mg/L
TOC	1.3	mg/L
Sulfate	4.0	mg/L
Turbidity	3.9	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704333 **CLIENT ID:** MW-3

PARAMETER	CONC	UNITS
Ammonia	0.13	mgN/L
Alkalinity	177	mg/L
Bicarbonate	177	mg/L CaCO3
Chloride	2.9	mg/L
COD	10.0	mg/L
Cyanide	<0.01	mg/L
Nitrate	<0.05	mg/L
pH	6.5	pH units
TDS	215	mg/L
TOC	1.1	mg/L
Sulfate	9.5	mg/L
Turbidity	2.9	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704332 **CLIENT ID:** MW-4

PARAMETER	CONC	UNITS
Ammonia	0.91	mgN/L
Alkalinity	368	mg/L
Bicarbonate	368	mg/L CaCO3
Chloride	24.6	mg/L
COD	38.0	mg/L
Cyanide	<0.01	mg/L
Nitrate	<0.05	mg/L
pH	6.4	pH units
TDS	465	mg/L
TOC	3.1	mg/L
Sulfate	9.6	mg/L
[redacted]	[redacted]	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704388 **CLIENT ID:** MW-5

PARAMETER	CONC	UNITS
Ammonia	<0.1	mgN/L
Alkalinity	332	mg/L
Bicarbonate	332	mg/L CaCO3
[redacted]	[redacted]	mg/L
Cyanide	<0.01	mg/L
pH	6.9	pH units
TDS	433	mg/L
TOC	6.4	mg/L
Sulfate	4.5	mg/L
[redacted]	[redacted]	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704325 **CLIENT ID:** MW-6

PARAMETER	CONC	UNITS
Ammonia	0.11	mgN/L
Alkalinity	192	mg/L
Bicarbonate	192	mg/L CaCO3
Chloride	21.1	mg/L
COD	16.8	mg/L
Cyanide	<0.01	mg/L
Nitrate	2.4	mg/L
pH	6.5	pH units
TDS	300	mg/L
TOC	1.1	mg/L
Sulfate	2.5	mg/L
Turbidity	<1.0	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704327 **CLIENT ID:** MW-7

PARAMETER	CONC	UNITS
Ammonia	0.11	mgN/L
Alkalinity	318	mg/L
Bicarbonate	318	mg/L CaCO3
Chloride	9.4	mg/L
COD	14.8	mg/L
Cyanide	<0.01	mg/L
Nitrate	0.30	mg/L
pH	7.4	pH units
TDS	449	mg/L
TOC	1.9	mg/L
Sulfate	2.1	mg/L
Turbidity	<1.0	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704328 **CLIENT ID:** MW-8

PARAMETER	CONC	UNITS
Ammonia	<0.10	mgN/L
Alkalinity	227	mg/L
Bicarbonate	227	mg/L CaCO3
Chloride	4.8	mg/L
COD	10.0	mg/L
Cyanide	<0.01	mg/L
Nitrate	0.30	mg/L
pH	7.4	pH units
TDS	249	mg/L
TOC	1.1	mg/L
Sulfate	<2.0	mg/L
Turbidity	1.2	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704330 **CLIENT ID:** MW-9

PARAMETER	CONC	UNITS
Ammonia	0.11	mgN/L
Alkalinity	1.2	mg/L
Bicarbonate	1.2	mg/L CaCO3
Chloride	<1.0	mg/L
COD	14.8	mg/L
Cyanide	<0.01	mg/L
Nitrate	0.36	mg/L
pH	7.0	pH units
TDS	304	mg/L
TOC	<1.0	mg/L
Sulfate	<2.0	mg/L
Turbidity	<1.0	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704331 **CLIENT ID:** MW-10

PARAMETER	CONC	UNITS
Ammonia	<0.10	mgN/L
Alkalinity	140	mg/L
Bicarbonate	140	mg/L CaCO3
Chloride	2.3	mg/L
COD	10.0	mg/L
Cyanide	<0.01	mg/L
Nitrate	<0.05	mg/L
pH	7.8	pH units
TDS	171	mg/L
TOC	<1.0	mg/L
Sulfate	10.4	mg/L
Turbidity	1.3	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704326 **CLIENT ID:** MW-11

PARAMETER	CONC	UNITS
Ammonia	<0.10	mgN/L
Alkalinity	132	mg/L
Bicarbonate	132	mg/L CaCO3
Chloride	9.7	mg/L
COD	10.0	mg/L
Cyanide	<0.01	mg/L
Nitrate	3.7	mg/L
pH	7.6	pH units
TDS	238	mg/L
TOC	<1.0	mg/L
Sulfate	<2.0	mg/L
Turbidity	2.2	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

GENERAL CHEMISTRY RESULTS FOR USA WASTE
TONTITOWN LF REPORT 970574

EA SAMPLE ID: 9704329 **CLIENT ID:** MW-12

PARAMETER	CONC	UNITS
Ammonia	0.12	mgN/L
Alkalinity	227	mg/L
Bicarbonate	227	mg/L CaCO3
Chloride	4.8	mg/L
COD	10.0	mg/L
Cyanide	<0.01	mg/L
Nitrate	0.34	mg/L
pH	7.4	pH units
TDS	301	mg/L
TOC	<1.0	mg/L
Sulfate	<2.0	mg/L
Turbidity	1.1	NTU

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704389 **CLIENT ID:** MW-1

ELEMENT	CONC. UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	87.9
Copper	<10.0
Lead	<3.0
[redacted]	[redacted]
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	640

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704389 **CLIENT ID:** MW-1

ELEMENT	CONC. UG/L
Calcium	196000
[redacted]	[redacted]
Mercury	<0.2
Magnesium	4710
[redacted]	[redacted]
Potassium	4800
Sodium	26000

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704324 **CLIENT ID:** MW-2R

ELEMENT	CONC. UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<3.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	<20.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704324 **CLIENT ID:** MW-2R

ELEMENT	CONC, UG/L
Calcium	40400
[redacted]	[redacted]
Mercury	<0.2
Magnesium	<1000
Manganese	21.0
Potassium	<1000
Sodium	6470

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704333 **CLIENT ID:** MW-3

ELEMENT	CONC, UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<3.0
Nickel	41.2
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	<20.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704333 **CLIENT ID:** MW-3

ELEMENT	CONC, UG/L
Calcium	63600
[redacted]	[redacted]
Mercury	<0.2
Magnesium	2600
[redacted]	[redacted]
Potassium	1800
Sodium	3400

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704332 **CLIENT ID:** MW-4

ELEMENT	CONC. UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	254.5
Beryllium	<5.0
Cadmium	9.3
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<3.0
[redacted]	[redacted]
Selenium	14.2
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	24.7

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704332 **CLIENT ID:** MW-4

ELEMENT	CONC, UG/L
Calcium	117400
[redacted]	[redacted]
Mercury	<0.2
Magnesium	5500
[redacted]	[redacted]
Potassium	2300
Sodium	10200

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704388 **CLIENT ID:** MW-5

ELEMENT	CONC, UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<3.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	91.1

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704388 **CLIENT ID:** MW-5

ELEMENT	CONC, UG/L
Calcium	151000
Iron	<100
Mercury	<0.2
Magnesium	2030
Manganese	<15.0
Potassium	1600
Sodium	13200

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704325 **CLIENT ID:** MW-6

ELEMENT	CONC, UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
[redacted]	[redacted]
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<15.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	45.6

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704325 **CLIENT ID:** MW-6

ELEMENT	CONC, UG/L
Calcium	82600
Iron	<100
Mercury	<0.2
Magnesium	2400
[redacted]	[redacted]
Potassium	3900
Sodium	9700

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704327 **CLIENT ID:** MW-7

ELEMENT	CONC. UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<15.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	108.2

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704327 **CLIENT ID:** MW-7

ELEMENT	CONC, UG/L
Calcium	139000
Iron	<100
Mercury	<0.2
Magnesium	2700
[redacted]	[redacted]
Potassium	1980
Sodium	6700

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704328 **CLIENT ID:** MW-8

ELEMENT	CONC, UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<15.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	<20.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704328 **CLIENT ID:** MW-8

ELEMENT	CONC, UG/L
Calcium	88100
Iron	<100
Mercury	<0.2
Magnesium	1300
[redacted]	[redacted]
Potassium	2600
Sodium	4510

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704330 **CLIENT ID:** MW-9

ELEMENT	CONC, UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<3.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	<20.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704330 **CLIENT ID:** MW-9

ELEMENT	CONC, UG/L
Calcium	<1000
Iron	<100
Mercury	<0.2
Magnesium	<1000
Manganese	<15
Potassium	<1000
Sodium	<1000

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704331 **CLIENT ID:** MW-10

ELEMENT	CONC, UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<3.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	<20.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704331 **CLIENT ID:** MW-10

ELEMENT	CONC, UG/L
Calcium	55200
Iron	<100
Mercury	<0.2
Magnesium	8100
Manganese	17.0
Potassium	4100
Sodium	5970

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704326 **CLIENT ID:** MW-11

ELEMENT	CONC. UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<3.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	<20.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704326 **CLIENT ID:** MW-11

ELEMENT	CONC, UG/L
Calcium	63800
Iron	<100
Mercury	<0.2
Magnesium	<1000
Manganese	<15.0
Potassium	1100
Sodium	3960

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704329 **CLIENT ID:** MW-12

ELEMENT	CONC. UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<15.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	<20.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704329 **CLIENT ID:** MW-12

ELEMENT	CONC, UG/L
Calcium	88500
Iron	<100
Mercury	<0.2
Magnesium	1300
[redacted]	[redacted]
Potassium	2600
Sodium	4540

4. METALS DATA

A. Analytical Results

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704334 **CLIENT ID:** EB

ELEMENT	CONC, UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<3.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	<20.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: 9704334 **CLIENT ID:** EB

ELEMENT	CONC, UG/L
Calcium	<1000
Iron	<100
Mercury	<0.2
Magnesium	<1000
Manganese	<15.0
Potassium	<1000
Sodium	<1000

B. QC Data

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE REPORT #970574

EA SAMPLE ID: LCS **METHOD: SW846**

ELEMENT	% Recovery
Antimony	90.1
Arsenic	98.1
Barium	103.2
Beryllium	97.9
Cadmium	90.3
Chromium	98.3
Cobalt	97.3
Copper	100.2
Lead	92.3
Nickel	100.3
Selenium	87.4
Silver	98.9
Thallium	84.0
Vanadium	100.7
Zinc	96.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE REPORT #970574

EA SAMPLE ID: LCS **METHOD: SW846**

ELEMENT	% Recovery
Antimony	92.0
Arsenic	100.1
Barium	98.2
Beryllium	95.2
Cadmium	94.1
Chromium	98.3
Cobalt	95.7
Copper	96.8
Lead	94.7
Nickel	102.2
Selenium	83.9
Silver	97.7
Thallium	87.0
Vanadium	99.9
Zinc	94.7

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE REPORT #970574

EA SAMPLE ID: LCS #1 **METHOD:** 200 Series

ELEMENT	% Recovery
Calcium	91.1
Iron	94.5
Mercury	104.8
Magnesium	87.8
Manganese	93.0
Potassium	87.5
Sodium	97.9

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE REPORT #970574

EA SAMPLE ID: LCS #2 **METHOD:** 200 Series

ELEMENT	% Recovery
Calcium	99.4
Iron	100.3
Mercury	110.5
Magnesium	91.8
Manganese	97.5
Potassium	94.6
Sodium	99.5

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: Method Blank #2

ELEMENT	CONC, UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<3.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	<20.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

METHOD BLANK #2

ELEMENT	CONC, UG/L
Calcium	<1000
Iron	<100
Mercury	<0.2
Magnesium	<1000
Manganese	<15.0
Potassium	<1000
Sodium	<1000

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

EA SAMPLE ID: Method Blank #1

ELEMENT	CONC, UG/L
Antimony	<6.0
Arsenic	<10.0
Barium	<200.0
Beryllium	<5.0
Cadmium	<5.0
Chromium	<10.0
Cobalt	<50.0
Copper	<10.0
Lead	<3.0
Nickel	<40.0
Selenium	<5.0
Silver	<10.0
Thallium	<2.0
Vanadium	<50.0
Zinc	<20.0

EA LABORATORIES
ANALYTICAL REPORT SUMMARY

METALS RESULTS FOR USA WASTE
REPORT 970574

METHOD BLANK #1

ELEMENT	CONC, UG/L
Calcium	<1000
Iron	<100
Mercury	<0.2
Magnesium	<1000
Manganese	<15.0
Potassium	<1000
Sodium	<1000