

GROUNDWATER MONITORING SUMMARY REPORT FIRST QUARTER 2004

**Stanton Cleaners Area Groundwater Contamination Site
Great Neck, New York**

Prepared for

**U.S. Army Corps of Engineers
Kansas City District**

In conjunction with

**U.S. Environmental Protection Agency
Region II**

**Long Term Operations/Long Term Monitoring
Contract No. DACW41-03-D-0004**

April 2004

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LIST OF ACRONYMS AND ABBREVIATIONS

AML	Analytical Management Laboratories, Inc.
CLP	Contract Laboratory Program
ECC	Environmental Chemical Corporation
ID	identification
MEE	methane, ethane, ethene
MS	matrix spike
MSD	matrix spike duplicate
QC	quality control
SDG	sample delivery group
TOC	total organic carbon
U	non-detect
USEPA	U.S. Environmental Protection Agency
USACE	U.S. Army Corps of Engineers
VOCs	volatile organic compounds

1.0 INTRODUCTION

Environmental Chemical Corporation (ECC) was contracted by the U.S. Army Corps of Engineers (USACE), Kansas City District in conjunction with the U.S. Environmental Protection Agency (USEPA), Region II to perform groundwater sampling, analyses, and reporting for the Stanton Cleaners Area Groundwater Contamination Site, Great Neck, New York. Figure 1-1 is the site location map and Figure 1-2 provides the site layout for the Stanton Cleaners Area. The work is being performed under contract number DACW41-03-D-0004 and consists of monthly sample collection from the water treatment plant and analysis for volatile organic compounds (VOCs); quarterly sample collection from the groundwater monitoring wells and analyses for VOCs and natural attenuation parameters; and quarterly air sample collection and analysis for VOCs. This report is a summary of the samples collected, analyses performed, and analytical results for the first quarter 2004 groundwater monitoring well sampling event.

2.0 SAMPLE COLLECTION ACTIVITIES

All monitoring well sampling activities were conducted by Earth Tech, Inc. between January 13 and January 16, 2004 under subcontract to ECC. During the first quarter 2004 groundwater sampling event, 29 monitoring wells were sampled for VOCs; methane, ethane, ethene (MEE); total organic carbon (TOC); sulfide; alkalinity; nitrate/nitrite; sulfate; and chloride. In addition, two quality control (QC) samples, two matrix spike (MS) / matrix spike duplicate (MSD) sample pairs, four trip blank samples, and four equipment or rinsate blank samples were collected. Quarterly air samples were collected by a separate contractor. Water levels were measured January 12, 2004 and are included in Figure 2-1, Potentiometric Surface Shallow Groundwater Map.

Table 2-1 provides the following information listed by date sampled for ease of comparison to laboratory data packages and field notes:

- QC split samples;
- MS/MSD samples;
- Trip blank and rinsate blank samples;
- A cross-reference between laboratory sample identification (ID) numbers and monitoring well ID numbers;
- Sample delivery group (SDG) numbers;
- Dates of sample collection and sample receipt by the laboratory; and
- Requested analyses.

Appendix A presents the field trip reports including the chain of custody records for the first quarter 2004 groundwater sampling event.

3.0 ANALYTICAL RESULTS

TOC, sulfide, alkalinity, and VOC analyses were performed by the USEPA, Region II of Edison, New Jersey or Ceimic Corporation of Narragansett, Road Island under the USEPA Contract Laboratory Program (CLP). Due to an overflow of samples at the CLP laboratories, nitrate/nitrite, sulfate, chloride, and MEE analyses were performed by Analytical Management Laboratories, Inc. (AML) of Olathe, Kansas.

Table 3-1 (VOCs) and Table 3-2 (water quality parameters) summarize the detections in samples collected during the first quarter 2004 groundwater sampling event. Figure 3-1 shows the positive detections for VOCs at the Stanton Cleaners Area. Nitrate/nitrite was analyzed by either EPA Method 300.0 or EPA Method 353.3. Appendix B contains the laboratory data packages according to SDG.

4.0 DATA QUALITY EVALUATION

Data points from the analyses performed by the CLP laboratories have been validated by the USEPA, Region II. Results obtained from AML have not been validated. ECC carried over assigned qualifiers and did not perform a separate review or validation of the data. Table 3-1 and 3-2 define assigned qualifiers.

4.1 Sample Receipt at the Laboratory

None of the laboratories reported problems with sample receipt. All samples sent to AML were received within appropriate temperature preservation requirements (2°C - 6°C).

5.0 CONCLUSION

Data results are valid for use, as qualified. No qualifiers other than non-detect (U) were assigned.

6.0 REFERENCES

U.S. Army Corps of Engineers, Kansas City District and U.S. Environmental Protection Agency, Region II, 2003. Stanton Cleaners Area Groundwater Contamination Site Long Term Response Action Support Scope of Work, May 2003.

Tables

Table 2-1
Sample Collection Summary
First Quarter 2004 Groundwater Monitoring Sampling Event
Stanton Cleaners Area Groundwater Contamination Site
Great Neck, New York

Monitoring Well ID	CLP Sample ID ¹	AML Lab ID ²	Quality Control Sample	MS/MSD	Date Sampled	Date Received by Lab	SDG	Analyses							
								TOC	Sulfide	Alkalinity	VOCs	Nitrate	Sulfate	Chloride	MEE
Field Samples															
CL-1D	B17T3	432007			1/13/2004	1/14/2004	4010034 4320	●	●	●	●	●	●	●	●
CL-1S	B17T4	432006			1/13/2004	1/14/2004	4010034 4320	●	●	●	●	●	●	●	●
CL-3	B17T5	432008			1/13/2004	1/14/2004	4010034 4320	●	●	●	●	●	●	●	●
CL-4D	B17T6	432005			1/13/2004	1/14/2004	4010034 4320	●	●	●	●	●	●	●	●
CL-4S	B17T7	432004			1/13/2004	1/14/2004	4010034 4320	●	●	●	●	●	●	●	●
EPA-MW-29	B17W4	432009			1/13/2004	1/14/2004	4010034 4320	●	●	●	●	●	●	●	●
EPA-MW-31	B17W6	432002			1/13/2004	1/14/2004	4010034 4320	●	●	●	●	●	●	●	●
	B17Z5	432003	EPA-MW-31D		1/13/2004	1/14/2004	4010034 4320	●	●	●	●	●	●	●	●
EPA-MW-33	B17W8	432001			1/13/2004	1/16/2004 1/14/04	4010034 4320	●	●	●	●	●	●	●	●
EPA-MW-30	B17W5	432017			1/14/2004	1/16/2004 1/14/04	4010034 4320	●	●	●	●	●	●	●	●
EPA-MW-32	B17W7	432012			1/14/2004	1/16/2004 1/14/04	4010034 4320	●	●	●	●	●	●	●	●
	B17W7	432012		EPA-MW-32MS	1/14/2004	1/14/2004	4320					●	●	●	●
	B17W7	432012		EPA-MW-32MSD	1/14/2004	1/14/2004	4320					●	●	●	●
EPA-MW-9A	B17W9	432013			1/14/2004	1/16/2004 1/14/04	4010034 4320	●	●	●	●	●	●	●	●
EPA-MW-11D	B17X0	432010			1/14/2004	1/16/2004 1/14/04	4010034 4320	●	●	●	●	●	●	●	●
ST-MW-11	B17X3	432011			1/14/2004	1/16/2004 1/14/04	4010034 4320	●	●	●	●	●	●	●	●
ST-MW-12	B17X4	432012			1/14/2004	1/16/2004 1/14/04	4010034 4320	●	●	●	●	●	●	●	●
ST-MW-17	B17X9	432014			1/14/2004	1/16/2004 1/14/04	4010034 4320	●	●	●	●	●	●	●	●
ST-MW-20	B17Y1	432016			1/14/2004	1/16/2004 1/14/04	4010034 4320	●	●	●	●	●	●	●	●
EPA-MW-21	B17T8	433006			1/15/2004	1/16/2004	4010034 4330	●	●	●	●	●	●	●	●
	B17Z4	433009	EPA-MW-21D		1/15/2004	1/16/2004	4010034 4330	●	●	●	●	●	●	●	●
EPA-MW-22	B17T9	433005			1/15/2004	1/16/2004	4010034 4330	●	●	●	●	●	●	●	●
EPA-MW-23	B17W0	433001			1/15/2004	1/16/2004	4010034 4330	●	●	●	●	●	●	●	●
	B17W0	433001		EPA-MW-23MS	1/15/2004	1/16/2004	4330					●	●	●	●
	B17W0	433001		EPA-MW-23MSD	1/15/2004	1/16/2004	4330					●	●	●	●
EPA-MW-25	B17W1	433002			1/15/2004	1/16/2004	4010034 4330	●	●	●	●	●	●	●	●
EPA-MW-27	B17W3	433008			1/15/2004	1/16/2004	4010034 4330	●	●	●	●	●	●	●	●
ST-MW-02	B17X1	433007			1/15/2004	1/16/2004	4010034 4330	●	●	●	●	●	●	●	●
ST-MW-06	B17X2	433010			1/15/2004	1/16/2004	4010034 4330	●	●	●	●	●	●	●	●
ST-MW-14	B17X6	433004			1/15/2004	1/16/2004	4010034 4330	●	●	●	●	●	●	●	●
ST-MW-16	B17X8	433003			1/15/2004	1/16/2004	4010034 4330	●	●	●	●	●	●	●	●

Table 2-1
Sample Collection Summary
First Quarter 2004 Groundwater Monitoring Sampling Event
Stanton Cleaners Area Groundwater Contamination Site
Great Neck, New York

								Analyses							
Monitoring Well ID	CLP Sample ID ¹	AML Lab ID ²	Quality Control Sample	MS/MSD	Date Sampled	Date Received by Lab	SDG	TOC	Sulfide	Alkalinity	VOCs	Nitrate	Sulfate	Chloride	MEE
Field Samples															
EPA-MW-26	B17W2	433013			1/16/2004	1/20/2004 1/16/04	4010034 4330	●	●	●	●	●	●	●	●
ST-MW-13	B17X5	433012			1/16/2004	1/20/2004 1/16/04	4010034 4330	●	●	●	●	●	●	●	●
ST-MW-15	B17X7	433011			1/16/2004	1/20/2004 1/16/04	4010034 4330	●	●	●	●	●	●	●	●
ST-MW-18	B17Y0	433014			1/16/2004	1/20/2004 1/16/04	4010034 4330	●	●	●	●	●	●	●	●
Trip Blanks															
TB-01	B17Y3	NA			1/13/2004						●				
TB-02	B17Y5	NA			1/14/2004						●				
TB-03	B17Y7	NA			1/15/2004						●				
TB-04	B17Y9	NA			1/16/2004						●				
Equipment Blanks															
FB-01	B17Y2	NA			1/13/2004						●				
FB-02	B17Y4	NA			1/14/2004						●				
FB-03	B17Y6	NA			1/15/2004						●				
FB-04	B17Y8	NA			1/16/2004						●				

Notes:

¹ = TOC, sulfide, alkalinity, and VOC analyses were performed by a CLP laboratory.

² = Nitrate/nitrite, sulfate, chloride, and MEE analyses were performed by AML.

● = Planned sample was collected.

AML = Analytical Management Laboratories, Inc.

CLP = Contract Laboratory Program

ID = Identification

MEE = Methane, Ethane, Ethene

MS/MSD = matrix spike/matrix spike duplicate

NA = not applicable

SDG = Sample Delivery Group

TOC = Total Organic Carbon

VOCs = Volatile Organic Compounds

Table 3-1
Positive Detections - VOCs
First Quarter 2004 Groundwater Monitoring Sampling Event
Stanton Cleaners Area Groundwater Contaminatin Site
Great Neck, New York

Monitoring Well ID: CLP Sample ID: Date Sampled: Sample Type:	CL-1D B17T3 1/13/2004	EPA-MW-21 B17T8 1/15/2004	EPA-MW-21D B17Z4 1/15/2004 Duplicate	EPA-MW-23 B17W0 1/15/2004 MS/MSD	EPA-MW-31 B17W6 1/13/2004	EPA-MW-31D B17Z5 1/13/2004 Duplicate	ST-MW-02 B17X1 1/15/2004	ST-MW-14 B17X6 1/15/2004	ST-MW-15 B17X7 1/16/2004	ST-MW-18 B17Y0 1/16/2004	ST-MW-20 B17Y1 1/14/2004
VOCs*											
Units: µg/L											
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U
Methylene chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MTBE	10 U	20 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	8 J	13 J	14	10 U	10 U	10 U	1 J	10 U	10 U	10 U	10 U
Cyclohexane	10 U	10 U	10 U	10 U	9 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	360 (D)	260 (D)	10 U	10 U	10 U	10 U	10 U
Trichloroethene	9 J	42 J	36	1 J	10 U	10 U	1 J	1 J	10 U	1 J	2 J
Methylcyclohexane	10 U	10 U	10 U	10 U	3 J	2 J	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	56	31	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	1200 (D)	2300 (D)	2300 (D)	120	10 U	10 U	100	10 U	110	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U	110	67	10 U	10 U	10 U	10 U	10 U
Xylene (total)	10 U	10 U	10 U	10 U	400	240	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	10 U	10 U	10 U	10 U	4 J	2 J	10 U	10 U	10 U	10 U	10 U

Table 3-1
Positive Detections - VOCs
First Quarter 2004 Groundwater Monitoring Sampling Event
Stanton Cleaners Area Groundwater Contaminatin Site
Great Neck, New York

Monitoring Well ID: CLP Sample ID: Date Sampled:	FB-01 B17Y2 1/13/2004 Equipment Blank	TB-01 B17Y3 1/13/2004 Trip Blank	FB-02 B17Y4 1/14/2004 Equipment Blank	TB-02 B17Y5 1/14/2004 Trip Blank	FB-03 B17Y6 1/15/2004 Equipment Blank	TB-03 B17Y7 1/15/2004 Trip Blank	FB-04 B17Y8 1/16/2004 Equipment Blank	TB-04 B17Y9 1/16/2004 Trip Blank
Sample Type:								
VOCs*								
Units: µg/L								
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	8 J	24 J	7 J	5 J	15	12	10	6 J
MTBE	4 J	10 U	4 J	10 U	4 J	10 U	4 J	10 U
cis-1,2-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	7 J	10 U	8 J	10 U	6 J	10 U	6 J	10 U
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Notes:

* = VOCs were analyzed by a CLP laboratory, and data validation was performed by EPA Region II. ECC carried over assigned qualifiers and did not perform a separate review or validation of the data.

Detections of tentatively identified compounds were not reported in this table.

Bold value indicates a detection.

CLP = Contract Laboratory Program

(D) = The reported result is from a dilution of the sample.

ID = Identification

J = Estimated value

µg/L = micrograms per liter

MS/MSD = matrix spike/matrix spike duplicate

MTBE = Tert-butyl-methyl-ether

U = Undetected value

VOCs = Volatile Organic Compounds

Table 3-2
Positive Detections - Wet Chemistry
First Quarter 2004 Groundwater Monitoring Sampling Event
Stanton Cleaners Area Groundwater Contamination Site
Great Neck, New York

Monitoring Well ID:	CL-1D	CL-1S	CL-3	CL-4D	CL-4S	EPA-MW-21	EPA-MW-21D	EPA-MW-22	EPA-MW-23	EPA-MW-25	EPA-MW-26
CLP Sample ID:	B17T3	B17T4	B17T5	B17T6	B17T7	B17T8	B17Z4	B17T9	B17W0	B17W1	B17W2
Date Sampled:	1/13/2004	1/13/2004	1/13/2004	1/13/2004	1/13/2004	1/15/2004	1/15/2004	1/15/2004	1/15/2004	1/15/2004	1/16/2004
Sample Type:							Duplicate		MS/MSD		
Wet Chemistry*											
Units: mg/L											
Alkalinity	75	51	62	42	64	56	55	74	82	54	91
Total Organic Carbon	1.7	1.3	1.6	1.5	2.0	2.3	2.4	1.8	2.0	1.6	1.4
Chloride	95.6 (D)	65.7 (D)	32 (D)	12.6	38.5 (D)	265 E (200)	255 E (192)	86.3 E (80)	103 E (90.6)	117 E (104)	176 (D)
Sulfate	48.4 E (44.7)	49.2 E (45.1)	34.2	10.9	41.9 E (41.6)	66.3 E (59.2)	64.7 E (58)	25.6	48.3 E (47.4)	40.2 E (41.7)	42.3 (D)
Nitrate	3.32	3.21	2.84	2.5	2.4	8.44	5.95	1.84	5.27	3.44	3.46
Nitrate/Nitrite**	NA	NA	NA	NA	NA	8.44	5.95	1.84	5.27	3.44	3.46
MEE											
Units: µg/L											
Methane	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

Monitoring Well ID:	EPA-MW-27	EPA-MW-29	EPA-MW-30	EPA-MW-31	EPA-MW-31D	EPA-MW-32	EPA-MW-33	EPA-MW-9A	EPA-MW-11D	ST-MW-02
CLP Sample ID:	B17W3	B17W4	B17W5	B17W6	B17Z5	B17W7	B17W8	B17W9	B17X0	B17X1
Date Sampled:	1/15/2004	1/13/2004	1/14/2004	1/13/2004	1/13/2004	1/14/2004	1/13/2004	1/14/2004	1/14/2004	1/15/2004
Sample Type:					Duplicate	MS/MSD				
Wet Chemistry*										
Units: mg/L										
Alkalinity	56	49	51	100	100	75	78	92	55	85
Total Organic Carbon	1.5	1.7	1.7	2.4	2.4	1.7	2.1	2.3	1.7	1.7
Chloride	143 E (113)	6.23	16.7	85.4 (D)	85.1 (D)	13.7	58.7 (D)	69.9 E (57.8)	119 E (100)	121 E (98)
Sulfate	39.9	5.98	23.6	28.5	27.2	24.5	44.7 E (40.9)	60.3 E (50.7)	40.7	77 E (64.9)
Nitrate	3.21	0.877	2.33	1.01	0.968	2.76	4.68	2.01	2.72	4.65
Nitrate/Nitrite**	3.21	NA	NA	NA	NA	NA	NA	NA	NA	4.65
MEE										
Units: µg/L										
Methane	1.5 U	1.5 U	1.5 U	105	55.4	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

Table 3-2
Positive Detections - Wet Chemistry
First Quarter 2004 Groundwater Monitoring Sampling Event
Stanton Cleaners Area Groundwater Contamination Site
Great Neck, New York

Monitoring Well ID:	ST-MW-06	ST-MW-11	ST-MW-12	ST-MW-13	ST-MW-14	ST-MW-15	ST-MW-16	ST-MW-17	ST-MW-18	ST-MW-20
CLP Sample ID:	B17X2	B17X3	B17X4	B17X5	B17X6	B17X7	B17X8	B17X9	B17Y0	B17Y1
Date Sampled:	1/15/2004	1/14/2004	1/14/2004	1/16/2004	1/15/2004	1/16/2004	1/15/2004	1/14/2004	1/16/2004	1/14/2004
Sample Type:										
Wet Chemistry*										
Units: mg/L										
Alkalinity	18	76	17	130	59	140	110	61	56	57
Total Organic Carbon	1.2	1.9	1.8	1.3	2.6	1.7	3.3	2.0	1.7	1.7
Chloride	48.7 E (43.3)	72.6 E (60.4)	142 E (117)	75.6 (D)	75.4 E (56.9)	63.3 (D)	91.4 E (81.9)	126 E (97.1)	63.3 (D)	130 E (99.7)
Sulfate	7.4	64.7 E (54.8)	66.5 E (60.4)	49.5 (D)	55.5 E (43.6)	48.6 (D)	219 E (182)	45.9 E (40.5)	59.1 (D)	61 E (51.2)
Nitrate	0.781	3.11	17	7.25	3.49	9	19	3.32	8.58	2.79
Nitrate/Nitrite**	0.781	NA	NA	7.25	3.49	9	19	NA	8.58	NA
MEE										
Units: µg/L										
Methane	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

Notes:

* = Alkalinity, sulfide, and total organic carbon were analyzed by a CLP laboratory, and data validation was performed by EPA Region II. No data validation was performed for the other parameters. ECC carried over assigned qualifiers and did not perform a separate review or validation of the data.

** = Nitrate/nitrite was analyzed by EPA Method 353.3; nitrate was analyzed by EPA Method 300.0.

Bold value indicates a detection.

CLP = Contract Laboratory Program

(D) = The reported result is from a dilution of the sample.

E = Exceeds calibration range of the instrument.

ID = Identification

MEE = Methane, Ethane, Ethene

µg/L = micrograms per liter

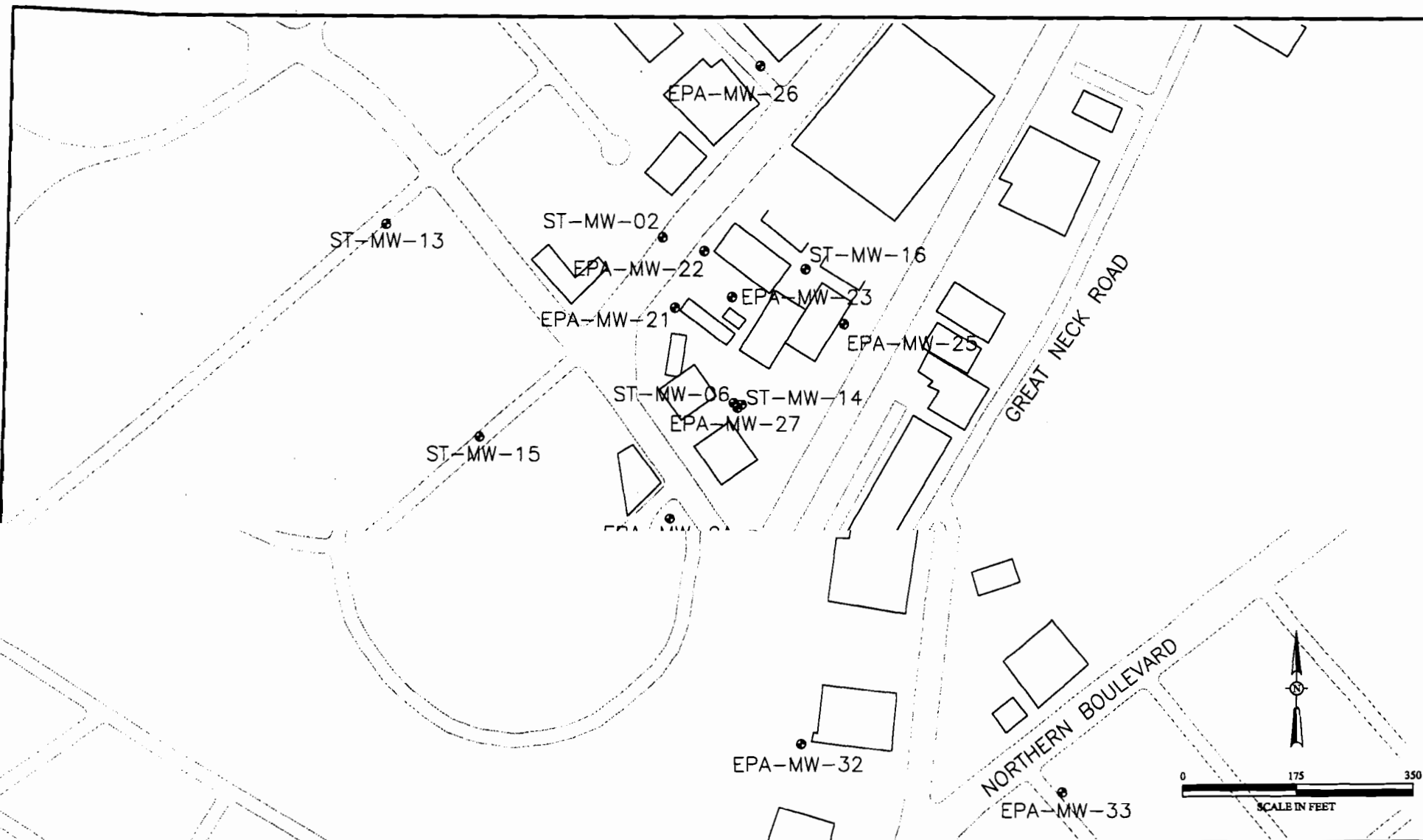
mg/L = milligrams per liter

MS/MSD = matrix spike/matrix spike duplicate

NA = not available

U = Undetected value

Figures



LEGEND

- PA-MW-31 MONITORING WELL
- WATER
- BUILDINGS
- ROADS



ENVIRONMENTAL CHEMICAL CORPORATION
1240 BAYSHORE HIGHWAY
BURLINGAME, CA 94010

DRAWN BY:
NW

APPROVED BY:
DM

DATE:
16-APR-04

SIZE:
A

FIGURE 1-2 SITE LAYOUT

STANTON CLEANERS
GREAT NECK, NEW YORK

PROJECT CODE: 5442 001

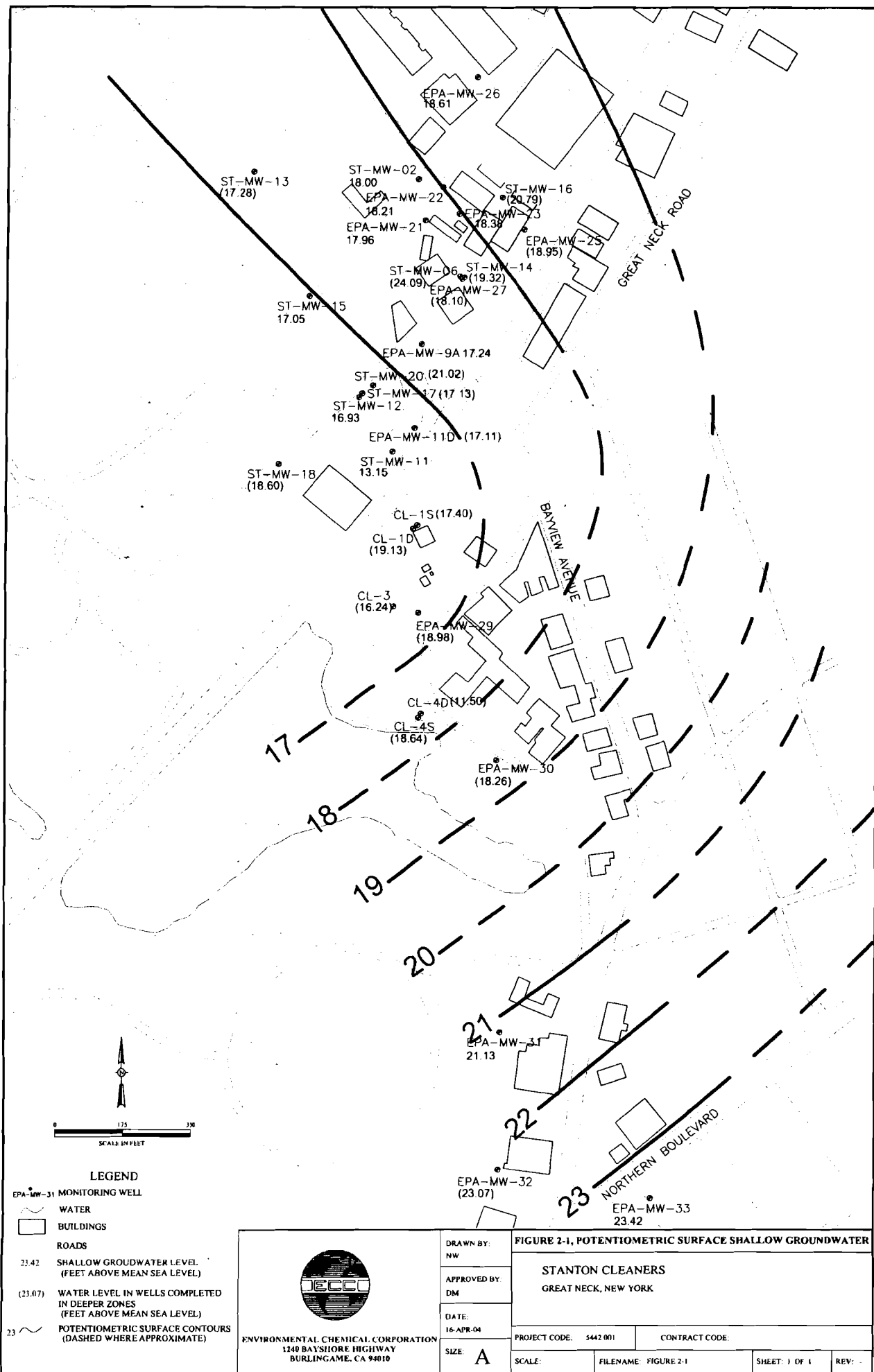
CONTRACT CODE:

SCALE:

FILENAME: FIGURE 1-2.DWG

SHEET: 1 OF 1

REV: -

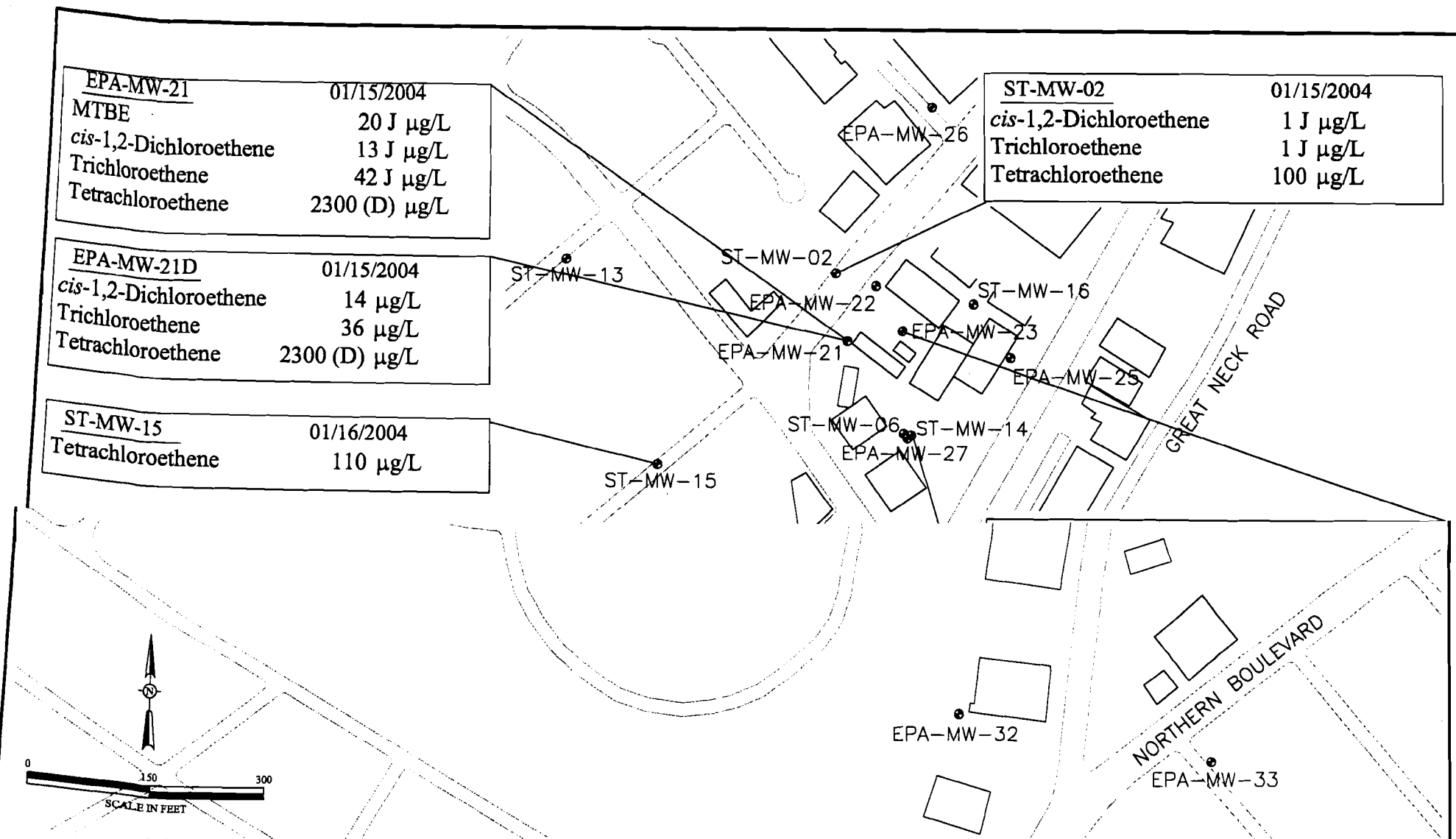


EPA-MW-21	01/15/2004
MTBE	20 J $\mu\text{g/L}$
<i>cis</i> -1,2-Dichloroethene	13 J $\mu\text{g/L}$
Trichloroethene	42 J $\mu\text{g/L}$
Tetrachloroethene	2300 (D) $\mu\text{g/L}$

EPA-MW-21D	01/15/2004
<i>cis</i> -1,2-Dichloroethene	14 $\mu\text{g/L}$
Trichloroethene	36 $\mu\text{g/L}$
Tetrachloroethene	2300 (D) $\mu\text{g/L}$

ST-MW-15	01/16/2004
Tetrachloroethene	110 $\mu\text{g/L}$

ST-MW-02	01/15/2004
<i>cis</i> -1,2-Dichloroethene	1 J $\mu\text{g/L}$
Trichloroethene	1 J $\mu\text{g/L}$
Tetrachloroethene	100 $\mu\text{g/L}$



	LEGEND
	MONITORING WELL
	WATER
	BUILDINGS
$\mu\text{g/L}$	ROADS
(D)	MICROGRAMS PER LITER
J	DILUTION
	ESTIMATED VALUE



ENVIRONMENTAL CHEMICAL CORPORATION
1240 BAYSHORE HIGHWAY
BURLINGAME, CA 94010

DRAWN BY:
NW

APPROVED BY:
DM

DATE:
16-APR-04

SIZE:
A

FIGURE 3-1, POSITIVE DETECTIONS -VOCs

STANTON CLEANERS
GREAT NECK, NEW YORK

PROJECT CODE: 5442 001

CONTRACT CODE:

SCALE:

FILENAME: FIGURE 3-1.DWG

SHEET: 1 OF 1

REV: -

Appendix A
Field Trip Reports
Chain of Custody Records

SAMPLING TRIP REPORT

Site Name: STANTON CLEANERS AREA GROUNDWATER CONTAMINATION SITE - LTRA

CERCLIS ID Number: NYD047650197

Sampling Dates: January 13 - January 16, 2004

CLP Case Number: 32512

Site Location: 110 Cutter Mill Road, Great Neck, New York, 11021

Sample Descriptions: First Quarterly Groundwater Sampling Event

Laboratories Receiving Samples:

Case Number	Sample Type	Name and Address of Laboratory
32512	TCL-VOAs	Ceimic Corporation (CEIMIC) 10 Dean Knauss Drive Narragansett, RI 08837
32512	Alkalinity Sulfide TOC	USEPA Region II (USEPA) Building 209 MS-230 2890 Woodbridge Avenue Edison, N.J. 08837
32512	Chloride, Nitrate Sulfate, Methane Ethane, Ethene	Analytical Management Laboratories (AML) 15130 B South Keeler Olathe, KS 66062

Sample Dispatch Data:

On January 13, 2003, nine (9) groundwater samples, including one (1) duplicate sample were shipped to CEIMIC, USEPA, and AML for analysis of TCL-volatiles; alkalinity; total organic carbon; nitrate; sulfate; sulfide; chloride; methane; ethane; and ethene. One (1) trip blank and one (1) equipment blank were also shipped to CEIMIC for TCL-volatiles analysis only.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
842135663820	1	8 Aqueous Samples, 1 Duplicate Sample 1 Trip Blank and 1 Equipment Blank for a total of 11 samples for TCL-VOAs.	17:30 1/13/04 To: CEIMIC
842135663831	1	8 Aqueous Samples, 1 Duplicate Sample for a total of 9 samples for Alkalinty, Sulfide, and TOC.	17:30 1/13/04 To: USEPA
842135663842	1	8 Aqueous Samples, 1 Duplicate Sample 11 samples for Chloride, Nitrate, Sulfate, Methane, Ethene, and Ethene.	17:30 1/13/04 To: AML

On January 14, 2004, eight (8) groundwater samples, including extra volume for Matrix Spike / Matrix Spike Duplicate (MS/MSD) analysis were shipped to CEIMIC, USEPA, and AML for analysis of TCL-volatiles; alkalinity; total organic carbon; nitrate; sulfate; sulfide; chloride;

methane; ethane; and ethene. One (1) trip blank and one (1) equipment blank were also shipped to CEIMIC for TCL-volatiles analysis only.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
842135658800	1	8 Aqueous Samples, including extra volume for MS/MSD, 1 Trip Blank and 1 Equipment Blank for a total of 10 samples for TCL-VOAs.	17:50 1/14/04 To: CEIMIC
842135658821	1	8 Aqueous Samples, including extra volume for MS/MSD for Alkalinty, Sulfide, and TOC.	17:50 1/14/04 To: USEPA
842135658810	1	8 Aqueous Samples, including extra volume for MS/MSD for Chloride, Nitrate, Sulfate, Methane, Ethene, and Ethene.	17:50 1/14/04 To: AML

On January 15, 2004, ten (10) groundwater samples, including one (1) duplicate sample and extra volume for Matrix Spike / Matrix Spike Duplicate (MS/MSD) analysis were shipped to CEIMIC, USEPA, and AML for analysis of TCL-volatiles; alkalinity; total organic carbon; nitrate; sulfate; sulfide; chloride; methane; ethane; and ethene. One (1) trip blank and one (1) equipment blank were also shipped to CEIMIC for TCL-volatiles analysis only.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
842135658773	1	9 Aqueous Samples, 1 Duplicate Sample, extra volume for MS/MSD, and 1 Trip Blank and 1 Equipment Blank for a total of 12 samples for TCL-VOAs.	17:45 1/15/04 To: CEIMIC
842135658762	1	9 Aqueous Samples, 1 Duplicate Sample, extra volume for MS/MSD for a total of 10 samples for Alkalinty, Sulfide, and TOC.	17:45 1/15/04 To: USEPA
842135658751	1	9 Aqueous Samples, 1 Duplicate Sample, extra volume for MS/MSD for a total of 10 samples for Chloride, Nitrate, Sulfate, Methane, Ethene, and Ethene.	17:45 1/15/04 To: AML

On January 16, 2004, four (4) groundwater samples were shipped to CEIMIC and AML for analysis of TCL-volatiles; nitrate; sulfate; chloride; methane; ethane; and ethene. One (1) trip blank and one (1) equipment blank were also shipped to CEIMIC for TCL-volatiles analysis only. The sample bottles to be shipped to USEPA for analysis of alkalinity, sulfide, and total organic carbon were not shipped on this day because the lab does not accept Saturday deliveries. These sample

bottles were stored on ice and shipped out the following Monday January 19, 2004.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
842135659730	1	4 Aqueous Samples and 1 Trip Blank and 1 Equipment Blank for a total of 6 samples for TCL-VOAs.	17:00 1/16/04 To: CEIMIC
842135658718	1	4 Aqueous Samples for Chloride, Nitrate, Sulfate, Methane, Ethene, and Ethene.	17:00 1/16/04 To: AML

January 19, 2004, the remaining sample bottles from the four (4) groundwater samples collected January 16, 2004 were shipped to USEPA for analysis of alkalinity, sulfide, and total organic carbon.

FedEx Airbill No.	Number of Coolers	Number and Type of Samples	Time and Date of Shipping
842135663820	1	4 Aqueous Samples for Alkalinty, Sulfide, and TOC.	12:00 1/19/04 To: USEPA

Sampling Personnel:

Name	Organization	Site Duties
John Huisman	Earth Tech, Inc.	Sampler / Health & Safety
Angela Schreffler	Earth Tech, Inc.	Sampler
Christian Spencer	Earth Tech, Inc.	Sampler
Russel Reynolds	Earth Tech, Inc.	Sampler
Tom Williams	Earth Tech, Inc.	Task Manager

Sample Numbers and Collection Points:

Attachemnt A includes a table with a list of all groundwater monitoring well collection points and their assigned CLP sample numbers.

Additional Comments:

During the groundwater sampling event that occurred from January 13 through January 16, 2004, a total of 31 groundwater samples including 2 duplicate samples (EPA-MW-21D & EPA-MW-31D) and extra volumes for two MS/MSD analysis were collected and shipped for laboratory analysis. A total of 4 trip blanks and 4 equipment blanks were also collected.

The groundwater sampling procedures conducted were in accordance with the USEPA Region II Groundwater Sampling Low Flow (Minimal Drawdown) Groundwater Sampling Procedures, Dated April 1996.

Copies of Chains of Custody Records are included in Attachment B. FedEx Airbills are included in Attachment C.

APPENDIX A
CLP SAMPLE NUMBERS AND COLLECTION POINTS



A **tyco** INTERNATIONAL LTD. COMPANY

CLP Sample Numers and Collection Points
January 2004

MONITORING WELL ID	CLP SAMPLE #	DATE COLLECTED	COMMENTS
CL-1D	B17T3	1/13/04	
CL-1S	B17T4	1/13/04	
CL-3	B17T5	1/13/04	
CL-4D	B17T6	1/13/04	
CL-4S	B17T7	1/13/04	
EPA-MW-21	B17T8	1/15/04	
EPA-MW-21D	B17Z4	1/15/04	DUPLICATE SAMPLE OF EPA-MW-21
EPA-MW-22	B17T9	1/15/04	
EPA-MW-23	B17W0	1/15/04	MS/MSD
EPA-MW-25	B17W1	1/15/04	
EPA-MW-26	B17W2	1/16/04	
EPA-MW-27	B17W3	1/15/04	
EPA-MW-29	B17W4	1/13/04	
EPA-MW-30	B17W5	1/14/04	
EPA-MW-31	B17W6	1/13/04	
EPA-MW-31D	B17Z5	1/13/04	DUPLICATE SAMPLE OF EPA-MW-31
EPA-MW-32	B17W7	1/14/04	MS/MSD
EPA-MW-33	B17W8	1/13/04	
EPA-MW-9a	B17W9	1/14/04	
MW-11D	B17X0	1/14/04	
ST-MW-02	B17X1	1/15/04	
ST-MW-06	B17X2	1/15/04	
ST-MW-11	B17X3	1/14/04	
ST-MW-12	B17X4	1/14/04	
ST-MW-13	B17X5	1/16/04	
ST-MW-14	B17X6	1/15/04	
ST-MW-15	B17X7	1/16/04	
ST-MW-16	B17X8	1/15/04	
ST-MW-17	B17X9	1/14/04	
ST-MW-18	B17Y0	1/16/04	
ST-MW-20	B17Y1	1/14/04	
EQUIPMENT BLANKS & TRIP BLANKS			
FB-01	B17Y2	1/13/04	EQUIPEMNT BLANK
TB-01	B17Y3	1/13/04	TRIP BLANK
FB-02	B17Y4	1/14/04	EQUIPEMNT BLANK
TB-02	B17Y5	1/14/04	TRIP BLANK
FB-03	B17Y6	1/15/04	EQUIPEMNT BLANK
TB-03	B17Y7	1/15/04	TRIP BLANK
FB-04	B17Y8	1/16/04	EQUIPEMNT BLANK
TB-04	B17Y9	1/16/04	TRIP BLANK

NOTES:

The letter "M" is placed in front of the sample number on the Chain of Custody when Inorganic analysis is required.

APPENDIX B
CHAIN OF CUSTODY FORMS



A **tyco** INTERNATIONAL LTD. COMPANY



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 32512

Client No:

SDG No:

L

Date Shipped: 1/13/2004	Carrier Name: FedEx	Relinquished By: <i>[Signature]</i>	Sample Signature: <i>[Signature]</i>	For Lab Use Only
Airbill: 84213568331	USEPA REGION II Building 209 MS230 2680 Woodbridge Avenue Edison NJ 08837 (732) 908-6886	Date / Time: 1/13/04 1730	Received By:	Lab Contract No:
Shipped to:		1		Unit Price:
		2		Transfer To:
		3		Lab Contract No:
		4		Unit Price:

FOR LAB USE ONLY
Sample Condition On Receipt

SAMPLE COLLECT
DATE/TIME

10:30

S: 1/13/2004

CL-1D

6 (H2SO4), 7 (H2SO4) (2)

TOC (21)

/G

Ground Water

B17T3

8:45

S: 1/13/2004

CL-18

13 (H2SO4), 14 (H2SO4) (2)

TOC (21)

/G

Ground Water

B17T4

12:45

S: 1/13/2004

CL-3

20 (H2SO4), 21 (H2SO4) (2)

TOC (21)

/G

Ground Water

B17T5

12:55

S: 1/13/2004

CL-4D

27 (H2SO4), 28 (H2SO4) (2)

TOC (21)

/G

Ground Water

B17T6

11:50

S: 1/13/2004

CL-4S

34 (H2SO4), 35 (H2SO4) (2)

TOC (21)

/G

Ground Water

B17T7

15:45

S: 1/13/2004

EPA-MW-29

49 (H2SO4), 50 (H2SO4) (2)

TOC (21)

/G

Ground Water

B17W4

15:05

S: 1/13/2004

EPA-MW-31

56 (H2SO4), 57 (H2SO4) (2)

TOC (21)

/G

Ground Water

B17W6

15:05

S: 1/13/2004

EPA-MW-31D

63 (H2SO4), 64 (H2SO4) (2)

TOC (21)

/G

Ground Water

B17Z5

10:30

S: 1/13/2004

CL-1D

6 (NaOH, Zn Acetate) (1)

S- (21)

/G

Ground Water

MB17T3

8:45

S: 1/13/2004

CL-18

12 (NaOH, Zn Acetate) (1)

S- (21)

/G

Ground Water

MB17T4

MS17W8 Ground water 6 TOC (20 S- (21)) (H2SO4) (NaOH, Zn Acetate) (2) EPA-MW-33 S: 1/13/04 09:45 *jd 4/15/04*

Signature for Case Completion	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Coder Temperature Upon Receipt	Chain of Custody Seal Number:
Analyte Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Intact? <input type="checkbox"/>
S- = Sulfide, TOC = Total Organic Carbon				

IR Number: 2-462971652-011304-0001

EPA provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Hallway Dr., Reston, VA. 20191-3400 Phone 703/284-6348 Fax 703/284-6222

LABORATORY COPY

Form 1, Use Page 1 of 2



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 32512

Client No:
SDO No:

L

Date Shipped: 1/13/2004		Chain of Custody Record		Sampler Signature	
Carrier Name: FedEx		Relinquished By (Date / Time)		Received By (Date / Time)	
Airbill: 842136663431		1 <i>[Signature]</i> 1/13/2004			
Shipped to: USEPA REGION II		2			
Building 209 MS230		3			
2890 Woodbridge Avenue		4			
Edison NJ 08837					
(732) 906-8886					

FOR LAB USE ONLY
Sample Condition On Receipt

SAMPLE COLLECT
DATE/TIME

STATION
LOCATION

TAG No./
PRESERVATIVE Bottles

ANALYSIS
TURNAROUND

CONC/
TYPE

MATRIX
SAMPLER

SAMPLE No.

MB17T5	Ground Water	/G	S- (21)	19 (NaOH, Zn Acetate) (1)	GL-3	S: 1/13/2004	12:45
MB17T6	Ground Water	/G	S- (21)	20 (NaOH, Zn Acetate) (1)	CL-4D	S: 1/13/2004	12:55
MB17T7	Ground Water	/G	S- (21)	33 (NaOH, Zn Acetate) (1)	CL-4B	S: 1/13/2004	11:50
MB17W4	Ground Water	/G	S- (21)	48 (NaOH, Zn Acetate) (1)	EPA-MW-29	S: 1/13/2004	15:46
MB17W5	Ground Water	/G	S- (21)	55 (NaOH, Zn Acetate) (1)	EPA-MW-31	S: 1/13/2004	15:08
MB17Z6	Ground Water	/G	S- (21)	62 (NaOH, Zn Acetate) (1)	EPA-MW-31D	S: 1/13/2004	15:06

Shipment for Case Completed:	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analyte Key: S = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composites = C, Grab = G		Custody Seal Intact? <input type="checkbox"/> Shipment lost? <input type="checkbox"/>

IR Number: 2-462971652-011304-0001

PM provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Highway Dr., Reston, VA 20191-3400 Phone 703/284-6348 Fax 703/284-6722

LABORATORY COPY



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 32512

Client No:

R

Region: 2	Date Shipped: 1/13/2004	Chain of Custody Record	Sampler Signature:
Project Code:	Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:	Airbill: 842135663831	1 <i>John Huisman</i> 1/13/04 1730	<i>Fedex</i>
CERCLIS ID: NYD047650197	Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	2	
Spill ID: 02LH		3	
Site Name/State: Stanton Cleaners Groundwater Contamination		4	
Project Leader: JOHN HUISMAN			
Action: Ground Water Monitoring (Post Rod)			
Sampling Co: Earth Tech, Inc.			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
B17T3	Ground Water	/G	TOC (21)	6 (H2SO4), 7 (H2SO4) (2)	CL-1D	S: 1/13/2004 10:30	--
B17T4	Ground Water	/G	TOC (21)	13 (H2SO4), 14 (H2SO4) (2)	CL-1S	S: 1/13/2004 8:45	--
B17T5	Ground Water	/G	TOC (21)	20 (H2SO4), 21 (H2SO4) (2)	CL-3	S: 1/13/2004 12:45	--
B17T6	Ground Water	/G	TOC (21)	27 (H2SO4), 28 (H2SO4) (2)	CL-4D	S: 1/13/2004 12:55	--
B17T7	Ground Water	/G	TOC (21)	34 (H2SO4), 35 (H2SO4) (2)	CL-4S	S: 1/13/2004 11:50	--
B17W4	Ground Water	/G	TOC (21)	49 (H2SO4), 50 (H2SO4) (2)	EPA-MW-29	S: 1/13/2004 15:45	--
B17W6	Ground Water	/G	TOC (21)	56 (H2SO4), 57 (H2SO4) (2)	EPA-MW-31	S: 1/13/2004 15:05	--
B17Z5	Ground Water	/G	TOC (21)	63 (H2SO4), 64 (H2SO4) (2)	EPA-MW-31D	S: 1/13/2004 15:05	Field Duplicate
MB17T3	Ground Water	/G	S- (21)	5 (NaOH, Zn Acetate) (1)	CL-1D	S: 1/13/2004 10:30	--
MB17T4	Ground Water	/G	S- (21)	12 (NaOH, Zn Acetate) (1)	CL-1S	S: 1/13/2004 8:45	--
MB17T5	Ground Water	/G	S- (21)	19 (NaOH, Zn Acetate) (1)	CL-3	S: 1/13/2004 12:45	--

Shipment for Case Complete? <input type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: S = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? <input type="checkbox"/>

IR Number: **2-462971652-011304-0001**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-8348 Fax 703/264-9222

REGION COPY

1-2/05.1.040 Page 1 of 2



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 32512

Client No:

R

Region: 2	Date Shipped: 1/13/2004	Chain of Custody Record	Sampler Signature:
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 842135663831	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID: NYD047650197	Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	1 <i>John Huismann</i> 1/13/04 12:30	<i>Foley</i>
Spill ID: 02LH		2	
Site Name/State: Stanton Cleaners Groundwater Contamination		3	
Project Leader: JOHN HUISMAN		4	
Action: Ground Water Monitoring (Post Rod)			
Sampling Co: Earth Tech, Inc.			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
MB17T6	Ground Water	/G	S- (21)	26 (NaOH, Zn Acetate) (1)	CL-4D	S: 1/13/2004 12:55	--
MB17T7	Ground Water	/G	S- (21)	33 (NaOH, Zn Acetate) (1)	CL-4S	S: 1/13/2004 11:50	--
MB17W4	Ground Water	/G	S- (21)	46 (NaOH, Zn Acetate) (1)	EPA-MW-29	S: 1/13/2004 15:45	--
MB17W6	Ground Water	/G	S- (21)	55 (NaOH, Zn Acetate) (1)	EPA-MW-31	S: 1/13/2004 15:05	--
MB17Z5	Ground Water	/G	S- (21)	62 (NaOH, Zn Acetate) (1)	EPA-MW-31D	S: 1/13/2004 15:05	Field Duplicate
MB17W3	Ground Water	G	S- (21) TOC (21)	NaOH, Zn Acetate (1) 42504 (1)	EPA-MW-53	S: 1/15/2004 09:45	-- <i>dk 1/15/04</i>

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
S- = Sulfide, TOC = Total Organic Carbon			

TR Number: 2-462971652-011304-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

REGION COPY

F205.1.043 Page 2 of 2



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:
SDG No:

L

Date Shipped: 1/13/2004		Chain of Custody Record		Sampler Signature	
Carrier Name: FedEx		Relinquished By (Date / Time)		Received By (Date / Time)	
Arbitrator: 84213663331		1 <i>[Signature]</i> 1/13/04 1730			
Shipped to: USEPA REGION II		2			
Building 209 MS230		3			
2890 Woodbridge Avenue		4			
Edison NJ 08837					
(732) 906-6966					

INORGANIC SAMPLE No.	MATRIX	CONC TYPE	ANALYSIS/TURNAROUND	TAG No./PRESERVATIVE/Boxes	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
----------------------	--------	-----------	---------------------	----------------------------	------------------	--------------------------	--------------------	--

MB17T3	Ground Water	IG	Alk (21)	1 (Not preserved) (1)	CL-1D	S: 1/13/2004 10:30	B17T3	
--------	--------------	----	----------	-----------------------	-------	--------------------	-------	--

MB17T4	Ground Water	IG	Alk (21)	8 (Not preserved) (1)	CL-1S	S: 1/13/2004 8:45	B17T4	
--------	--------------	----	----------	-----------------------	-------	-------------------	-------	--

MB17T5	Ground Water	IG	Alk (21)	15 (Not preserved) (1)	CL-3	S: 1/13/2004 12:45	B17T5	
--------	--------------	----	----------	------------------------	------	--------------------	-------	--

MB17T6	Ground Water	IG	Alk (21)	22 (Not preserved) (1)	CL-4D	S: 1/13/2004 12:55	B17T6	
--------	--------------	----	----------	------------------------	-------	--------------------	-------	--

MB17T7	Ground Water	IG	Alk (21)	29 (Not preserved) (1)	CL-4S	S: 1/13/2004 11:50	B17T7	
--------	--------------	----	----------	------------------------	-------	--------------------	-------	--

MB17W4	Ground Water	IG	Alk (21)	44 (Not preserved) (1)	EPA-MW-29	S: 1/13/2004 15:45	B17W4	
--------	--------------	----	----------	------------------------	-----------	--------------------	-------	--

MB17W6	Ground Water	IG	Alk (21)	51 (Not preserved) (1)	EPA-MW-31	S: 1/13/2004 15:05	B17W6	
--------	--------------	----	----------	------------------------	-----------	--------------------	-------	--

MB17Z5	Ground Water	IG	Alk (21)	58 (Not preserved) (1)	EPA-MW-31D	S: 1/13/2004 15:05	B17Z5	
--------	--------------	----	----------	------------------------	------------	--------------------	-------	--

MB17W8 Ground Water 6 Alk (21) (not preserved) (1) S: 1/13/2004 09:45 BY 7408 JH duster

Shipment for Use Complete/YN	Sample(s) to be used for laboratory GC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt	Chain of Custody Seal Number:
Analysis Key: Alk = Alkalinity	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Intact? <input type="checkbox"/>

TR Number: 2-462971652-011304-0002

LABORATORY COPY

Page 1 of 1

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phone 703/264-6348 Fax 703/264-9222



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	32512
DAS No:	
SDG No:	
L	

Date Shipped: 1/13/2004	
Carrier Name: FedEx	Signature: <i>[Signature]</i>
Airbill: 842135663820	Received By: <i>[Signature]</i>
Shipped to: Calm Corporation 10 Dean Krauss Drive Narragansett RI 02882 (401) 782-8900	(Date / Time)

ORGANIC SAMPLE No.	MATRIX SAMPLER	CONC TYPE	ANALYSIS/ TURNDOWN	TAG No./ PRESERVATIVE/BOTTLES	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
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B1773	Ground Water	/G	VOA (21)	2 (HCL), 3 (HCL), 4 (HCL) (3)	CL-1D	S: 1/13/2004	10:30	
B1774	Ground Water	/G	VOA (21)	10 (HCL), 11 (HCL), 9 (HCL) (3)	CL-1S	S: 1/13/2004	8:45	
B1775	Ground Water	/G	VOA (21)	16 (HCL), 17 (HCL), 18 (HCL) (3)	CL-3	S: 1/13/2004	12:45	
B1776	Ground Water	/G	VOA (21)	23 (HCL), 24 (HCL), 25 (HCL) (3)	CL-4D	S: 1/13/2004	12:55	
B1777	Ground Water	/G	VOA (21)	30 (HCL), 31 (HCL), 32 (HCL) (3)	CL-4S	S: 1/13/2004	11:50	
B17W4	Ground Water	/G	VOA (21)	45 (HCL), 46 (HCL), 47 (HCL) (3)	EPA-MW-29	S: 1/13/2004	15:45	
B17W6	Ground Water	/G	VOA (21)	52 (HCL), 53 (HCL), 54 (HCL) (3)	EPA-MW-31	S: 1/13/2004	15:05	
B17Y2	Field QC	/G	VOA (21)	55 (HCL), 56 (HCL), 57 (HCL) (3)	FB-01			
B17Y3	Ground Water	/G	VOA (21)	58 (HCL), 59 (HCL), 70 (HCL) (3)	TB-01			
B17Z5	Ground Water	/G	VOA (21)	59 (HCL), 60 (HCL), 61 (HCL) (3)	EPA-MW-31D	S: 1/13/2004	15:05	
B17W8	Ground Water	/G	VOA (21)	62 (HCL), 63 (HCL), 64 (HCL) (3)	EPA-MW-33	S: 1/13/2004	09:45	

Shipment for Case Completion	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt	Chain of Custody Seal Number:
Analyte Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composites = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment lead? <input checked="" type="checkbox"/>
VOA = CLP TCL Volatiles				



EPA USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32512

R

DAS No:

Region: Project Code: Account Code: CERCLIS ID: Spill ID: Site Name/State: Project Leader: Action: Sampling Co:	2 NYD047650197 02LH Station Cleaners Groundwater Contamination JOHN HUISMAN Ground Wat Earth Tech, Inc.	Date Shipped: 1/13/2004 Carrier Name: FedEx Airbill: 842135863831 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-8886	Chain of Custody Record Relinquished By (Date / Time) 1 2 3 4 Sampler Signature Received By (Date / Time)
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INORGANIC SAMPLE NO.	MATRIX SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MB17T3	Ground Water	IG	Alk (21)	1 (Not preserved) (1)	CL-1D	S: 1/13/2004 10:30	B17T3	-
MB17T4	Ground Water	IG	Alk (21)	8 (Not preserved) (1)	CL-1S	S: 1/13/2004 8:45	B17T4	-
MB17T5	Ground Water	IG	Alk (21)	15 (Not preserved) (1)	CL-3	S: 1/13/2004 12:45	B17T5	-
MB17T6	Ground Water	IG	Alk (21)	22 (Not preserved) (1)	CL-4D	S: 1/13/2004 12:55	B17T6	-
MB17T7	Ground Water	IG	Alk (21)	29 (Not preserved) (1)	CL-4S	S: 1/13/2004 11:50	B17T7	-
MB17W4	Ground Water	IG	Alk (21)	44 (Not preserved) (1)	EPA-MW-28	S: 1/13/2004 15:45	B17W4	-
MB17W6	Ground Water	IG	Alk (21)	51 (Not preserved) (1)	EPA-MW-31	S: 1/13/2004 15:05	B17W6	-
MB17Z5	Ground Water	IG	Alk (21)	58 (Not preserved) (1)	EPA-MW-31D	S: 1/13/2004 15:05	B17Z5	Field Duplicate
MB17W8	Groundwater	G	Alk (21)	Not preserved (1)	EPA-MW-33	S: 1/13/2004 09:45	B17W8	-

1/15/04
JH

Shipment for Case Completed? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: Alk = Alkalinity	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment lost? _____

TR Number: 2-462971652-011304-0002

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

R

Region: 2	Date Shipped: 1/13/2004	Chain of Custody Record		Sampler Signature:
Project Code:	Carrier Name: FedEx	Relinquished By (Date / Time)		Received By (Date / Time)
Account Code:	Airbill: 842135663820	1 John Huismann 1/13/04 1730		Felix
CERCLIS ID: NYD047650197	Shipped to: Ceimic Corporation	2		
Spill ID: 02LH	10 Dean Knauss Drive	3		
Site Name/State: Stanton Cleaners Groundwater Contamination	Narragansett RI 02882	4		
Project Leader: JOHN HUISMAN	(401) 782-8900			
Action: Ground Wat				
Sampling Co: Earth Tech, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
B17T3	Ground Water	/G	VOA (21)	2 (HCL), 3 (HCL), 4 (HCL) (3)	CL-1D	S: 1/13/2004 10:30		-
B17T4	Ground Water	/G	VOA (21)	10 (HCL), 11 (HCL), 9 (HCL) (3)	CL-1S	S: 1/13/2004 8:45		-
B17T5	Ground Water	/G	VOA (21)	16 (HCL), 17 (HCL), 18 (HCL) (3)	CL-3	S: 1/13/2004 12:45		-
B17T6	Ground Water	/G	VOA (21)	23 (HCL), 24 (HCL), 25 (HCL) (3)	CL-4D	S: 1/13/2004 12:55		-
B17T7	Ground Water	/G	VOA (21)	30 (HCL), 31 (HCL), 32 (HCL) (3)	CL-4S	S: 1/13/2004 11:50		-
B17W4	Ground Water	/G	VOA (21)	45 (HCL), 46 (HCL), 47 (HCL) (3)	EPA-MW-29	S: 1/13/2004 15:45		-
B17W6	Ground Water	/G	VOA (21)	52 (HCL), 53 (HCL), 54 (HCL) (3)	EPA-MW-31	S: 1/13/2004 15:05		-
B17Y2	Field QC	/G	VOA (21)	65 (HCL), 66 (HCL), 67 (HCL) (3)	FB-01			Rinsate
B17Y3	Ground Water	/G	VOA (21)	68 (HCL), 69 (HCL), 70 (HCL) (3)	TB-01			Trip Blank
B17Z5	Ground Water	/G	VOA (21)	59 (HCL), 60 (HCL), 61 (HCL) (3)	EPA-MW-31D	S: 1/13/2004 15:05		Field Duplicate
B17W9	Groundwater	G	VOA (21)	HCL (3)	EPA-MW-33	S: 1/13/2004 09:45		- 1/15/04

Shipment for Case Complete? H	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011304-0003

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15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

24670

Page 1 of 1
Chain of Custody Record / Request for Analysis

Client Contact Name: John Huismink
Company Name: Earth Tech, Inc.
Address: 110 Cutter Mill Road
City, State, Zip: Great Neck, NY 11021
Phone #: (516) 466-8637
Fax #: ()

Project Name: Stanton Cleaners LTRA GW Sampling
Project Number: 70536.04.03.01
Purchase Order Number: ---
Project Due Date: ---
Project Comments: ---
Sampler's Signature: John Huismink

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number:					Method # --->										Comments:											
Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	HCl	HNO ₃	NaOH	H ₂ SO ₄	Unpreserved	4° C	TPH Diesel	TPH Gasoline	BTEX		MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pesticides/PCBs	PCBs	RCRA Metals	Lead	Flash Point	Paint Filter	PH	Nitrate, Sulfate, Chloride
1	EPA-MW-33	1/13/04	0905	GW	5	3					1	1	5												2.3	B17W6
2	EPA-MW-31	1/13/04	1505	GW	5	3					1	1	5												2.3	B17W6
3	EPA-MW-31D	1/13/04	1505	GW	5	3					1	1	5												2.3	B17Z5
4	CL-45	1/13/04	1150	GW	5	3					1	1	5												2.3	B17T7
5	CL-4D	1/13/04	1255	GW	5	3					1	1	5												2.3	B17T6
6	CL-15	1/13/04	0845	GW	5	3					1	1	5												2.3	B17T4
7	CL-1D	1/13/04	1030	GW	5	3					1	1	5												2.3	B17T3
8	CL-3	1/13/04	1245	GW	5	3					1	1	5												2.3	B17T5
9	EPA-MW-29	1/13/04	1545	GW	5	3					1	1	5												2.3	B17W4
10																										

Please include any information that may be useful in the analysis of the sample.
Example: high concentration

CU S T O D Y	Relinquished By: <u>John Huismink</u>	Date/Time: <u>1/13/04 17:30</u>	Received By: <u>Fedex</u>	Date/Time: <u>---</u>
	Relinquished By: <u>---</u>	Date/Time: <u>---</u>	Received By: <u>---</u>	Date/Time: <u>---</u>

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method <input type="checkbox"/> Delivered in Person <input type="checkbox"/> Courier	Custody Seals <input type="checkbox"/> Yes <input type="checkbox"/> No	Coolant <input type="checkbox"/> Ice <input type="checkbox"/> Dry Ice	Cooler Temp. °C <input type="checkbox"/> °F	Receiving Comments:
---	---	--	--	---------------------



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 32512

Client No:

SDG No:

L

Date Shipped: 1/14/2004 Carrier Name: FedEx Airbill: 842135658821 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record		Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1				
	2				
	3				
4					

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
B17W5	Ground Water	/G	TOC (21)	55 (H2SO4), 58 (H2SO4) (2)	EPA-MW-30	S: 1/14/2004 16:45	
B17W7	Ground Water	/G	TOC (21)	111 (H2SO4), 112 (H2SO4), 113 (H2SO4), 114 (H2SO4), 115 (H2SO4), 116 (H2SO4) (6)	EPA-MW-32	S: 1/14/2004 14:40	
B17W9	Ground Water	/G	TOC (21)	82 (H2SO4), 83 (H2SO4) (2)	EPA-MW-9A	S: 1/14/2004 16:30	
B17X0	Ground Water	/G	TOC (21)	62 (H2SO4), 63 (H2SO4) (2)	EPA-MW-11D	S: 1/14/2004 9:00	
B17X3	Ground Water	/G	TOC (21)	69 (H2SO4), 70 (H2SO4) (2)	ST-MW-11	S: 1/14/2004 11:30	
B17X4	Ground Water	/G	TOC (21)	20 (H2SO4), 21 (H2SO4) (2)	ST-MW-12	S: 1/14/2004 12:30	
B17X9	Ground Water	/G	TOC (21)	6 (H2SO4), 7 (H2SO4) (2)	ST-MW-17	S: 1/17/2004 9:45	
B17Y1	Ground Water	/G	TOC (21)	13 (H2SO4), 14 (H2SO4) (2)	ST-MW-20	S: 1/14/2004 15:00	
MB17W5	Ground Water	/G	S- (21)	54 (NaOH, Zn Acetate) (1)	EPA-MW-30	S: 1/14/2004 16:45	
MB17W7	Ground Water	/G	S- (21)	108 (NaOH, Zn Acetate), 109 (NaOH, Zn Acetate), 110 (NaOH, Zn Acetate) (3)	EPA-MW-32	S: 1/14/2004 14:40	

Shipment for Case Complete?	Sample(s) to be used for laboratory QC: B17W7, MB17W7	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ____ Shipment Iced? ____

TR Number: 2-462971652-011404-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
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LABORATORY COPY



**USEPA Contract Laboratory Program
Generic Chain of Custody**

Reference Case 32512

Client No:

SDG No:

L

Date Shipped: 1/14/2004 Carrier Name: FedEx Airbill: 842135658821 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record	Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____
	Relinquished By (Date / Time)	Received By (Date / Time)	
	1		
	2		
	3		
4			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
MB17W9	Ground Water	/G	S- (21)	81 (NaOH, Zn Acetate) (1)	EPA-MW-9A	S: 1/14/2004 16:30	
MB17X0	Ground Water	/G	S- (21)	61 (NaOH, Zn Acetate) (1)	EPA-MW-11D	S: 1/14/2004 9:00	
MB17X3	Ground Water	/G	S- (21)	68 (NaOH, Zn Acetate) (1)	ST-MW-11	S: 1/14/2004 11:30	
MB17X4	Ground Water	/G	S- (21)	19 (NaOH, Zn Acetate) (1)	ST-MW-12	S: 1/14/2004 12:30	
MB17X9	Ground Water	/G	S- (21)	5 (NaOH, Zn Acetate) (1)	ST-MW-17	S: 1/17/2004 9:45	
MB17Y1	Ground Water	/G	S- (21)	12 (NaOH, Zn Acetate) (1)	ST-MW-20	S: 1/14/2004 15:00	

Shipment for Case Complete?	Sample(s) to be used for laboratory QC: B17W7, MB17W7	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? <input type="checkbox"/> Shipment Iced? <input type="checkbox"/>

TR Number: 2-462971652-011404-0001

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LABORATORY COPY



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 32512

Client No:

R

Region: 2 Project Code: Account Code: CERCLIS ID: NYD047650197 Spill ID: 02LH Site Name/State: Stanton Cleaners Groundwater Contaminati Project Leader: JOHN HUISMAN Action: Ground Wat Sampling Co: Earth Tech, Inc.	Date Shipped: 1/14/2004 Carrier Name: FedEx Airbill: 842135658821 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record <table border="1"> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Received By</th> <th>(Date / Time)</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </table>	Relinquished By	(Date / Time)	Received By	(Date / Time)	1				2				3				4				Sampler Signature:
Relinquished By	(Date / Time)	Received By	(Date / Time)																				
1																							
2																							
3																							
4																							

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
B17W5	Ground Water	/G	TOC (21)	55 (H2SO4), 56 (H2SO4) (2)	EPA-MW-30	S: 1/14/2004	16:45	--
B17W7	Ground Water	/G	TOC (21)	111 (H2SO4), 112 (H2SO4), 113 (H2SO4), 114 (H2SO4), 115 (H2SO4), 116 (H2SO4) (6)	EPA-MW-32	S: 1/14/2004	14:40	MSMSD
B17W9	Ground Water	/G	TOC (21)	82 (H2SO4), 83 (H2SO4) (2)	EPA-MW-9A	S: 1/14/2004	16:30	--
B17X0	Ground Water	/G	TOC (21)	62 (H2SO4), 63 (H2SO4) (2)	EPA-MW-11D	S: 1/14/2004	9:00	--
B17X3	Ground Water	/G	TOC (21)	69 (H2SO4), 70 (H2SO4) (2)	ST-MW-11	S: 1/14/2004	11:30	--
B17X4	Ground Water	/G	TOC (21)	20 (H2SO4), 21 (H2SO4) (2)	ST-MW-12	S: 1/14/2004	12:30	--
B17X9	Ground Water	/G	TOC (21)	6 (H2SO4), 7 (H2SO4) (2)	ST-MW-17	S: 1/17/2004	9:45	--
B17Y1	Ground Water	/G	TOC (21)	13 (H2SO4), 14 (H2SO4) (2)	ST-MW-20	S: 1/14/2004	15:00	--
MB17W5	Ground Water	/G	S- (21)	54 (NaOH, Zn Acetate) (1)	EPA-MW-30	S: 1/14/2004	16:45	--
MB17W7	Ground Water	/G	S- (21)	108 (NaOH, Zn Acetate), 109 (NaOH, Zn Acetate), 110 (NaOH, Zn Acetate) (3)	EPA-MW-32	S: 1/14/2004	14:40	MSMSD

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B17W7, MB17W7	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G	Shipment Iced? _____	

TR Number: 2-462971652-011404-0001

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Region: 2 Project Code: Account Code: CERCLIS ID: NYD047650197 Spill ID: 02LH Site Name/State: Stanton Cleaners Groundwater Contaminati Project Leader: JOHN HUISMAN Action: Ground Wat Sampling Co: Earth Tech, Inc.	Date Shipped: 1/14/2004 Carrier Name: FedEx Airbill: 842135658821 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record <table border="1"> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Received By</th> <th>(Date / Time)</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </table>	Relinquished By	(Date / Time)	Received By	(Date / Time)	1				2				3				4				Sampler Signature:
Relinquished By	(Date / Time)	Received By	(Date / Time)																				
1																							
2																							
3																							
4																							

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
MB17W9	Ground Water	/G	S- (21)	81 (NaOH, Zn Acetate) (1)	EPA-MW-9A	S: 1/14/2004	16:30	--
MB17X0	Ground Water	/G	S- (21)	61 (NaOH, Zn Acetate) (1)	EPA-MW-11D	S: 1/14/2004	9:00	--
MB17X3	Ground Water	/G	S- (21)	68 (NaOH, Zn Acetate) (1)	ST-MW-11	S: 1/14/2004	11:30	--
MB17X4	Ground Water	/G	S- (21)	19 (NaOH, Zn Acetate) (1)	ST-MW-12	S: 1/14/2004	12:30	--
MB17X9	Ground Water	/G	S- (21)	5 (NaOH, Zn Acetate) (1)	ST-MW-17	S: 1/17/2004	9:45	--
MB17Y1	Ground Water	/G	S- (21)	12 (NaOH, Zn Acetate) (1)	ST-MW-20	S: 1/14/2004	15:00	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B17W7, MB17W7	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G	Shipment Iced? _____	

TR Number: 2-462971652-011404-0001

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32512
DAS No:
SDG No:
For Lab Use Only
Lab Contract No: _____
Unit Price: _____
Transfer To: _____
Lab Contract No: _____
Unit Price: _____

Date Shipped: 1/14/2004 Carrier Name: FedEx Airbill: 842135658821 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record		Sampler Signature:
	Relinquished By	(Date / Time)	Received By
	1		
	2		
	3		
4			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB17W5	Ground Water	/G	Alk (21)	50 (Not preserved) (1)	EPA-MW-30	S: 1/14/2004	16:45	B17W5	
MB17W7	Ground Water	/G	Alk (21)	90 (Not preserved), 91 (Not preserved), 92 (Not preserved) (3)	EPA-MW-32	S: 1/14/2004	14:40	B17W7	
MB17W9	Ground Water	/G	Alk (21)	71 (Not preserved) (1)	EPA-MW-9A	S: 1/14/2004	16:30	B17W9	
MB17X0	Ground Water	/G	Alk (21)	57 (Not preserved) (1)	EPA-MW-11D	S: 1/14/2004	9:00	B17X0	
MB17X3	Ground Water	/G	Alk (21)	64 (Not preserved) (1)	ST-MW-11	S: 1/14/2004	11:30	B17X3	
MB17X4	Ground Water	/G	Alk (21)	15 (Not preserved) (1)	ST-MW-12	S: 1/14/2004	12:30	B17X4	
MB17X9	Ground Water	/G	Alk (21)	1 (Not preserved) (1)	ST-MW-17	S: 1/17/2004	9:45	B17X9	
MB17Y1	Ground Water	/G	Alk (21)	8 (Not preserved) (1)	ST-MW-20	S: 1/14/2004	15:00	B17Y1	

Shipment for Case Complete?	Sample(s) to be used for laboratory QC: MB17W7	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: Alk = Alkalinity	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ____	Shipment Iced? ____

TR Number: 2-462971652-011404-0002

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LABORATORY COPY



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

R

Region: 2	Date Shipped: 1/14/2004	Chain of Custody Record	Sampler Signature:
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 842135658821	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID: NYD047650197	Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	1	
Spill ID: 02LH		2	
Site Name/State: Stanton Cleaners Groundwater Contaminati		3	
Project Leader: JOHN HUISMAN		4	
Action: Ground Wat			
Sampling Co: Earth Tech, Inc.			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MB17W5	Ground Water	/G	Alk (21)	50 (Not preserved) (1)	EPA-MW-30	S: 1/14/2004	16:45	B17W5	--
MB17W7	Ground Water	/G	Alk (21)	90 (Not preserved), 91 (Not preserved), 92 (Not preserved) (3)	EPA-MW-32	S: 1/14/2004	14:40	B17W7	MSMSD
MB17W9	Ground Water	/G	Alk (21)	71 (Not preserved) (1)	EPA-MW-9A	S: 1/14/2004	16:30	B17W9	--
MB17X0	Ground Water	/G	Alk (21)	57 (Not preserved) (1)	EPA-MW-11D	S: 1/14/2004	9:00	B17X0	--
MB17X3	Ground Water	/G	Alk (21)	64 (Not preserved) (1)	ST-MW-11	S: 1/14/2004	11:30	B17X3	--
MB17X4	Ground Water	/G	Alk (21)	15 (Not preserved) (1)	ST-MW-12	S: 1/14/2004	12:30	B17X4	--
MB17X9	Ground Water	/G	Alk (21)	1 (Not preserved) (1)	ST-MW-17	S: 1/17/2004	9:45	B17X9	--
MB17Y1	Ground Water	/G	Alk (21)	8 (Not preserved) (1)	ST-MW-20	S: 1/14/2004	15:00	B17Y1	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MB17W7	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: Alk = Alkalinity	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011404-0002

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REGION COPY



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

SDG No:

L

Date Shipped: 1/14/2004 Carrier Name: FedEx Airbill: 842135658800 Shipped to: Celmic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Chain of Custody Record	Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____
	Relinquished By (Date / Time)	Received By (Date / Time)	
	1		
	2		
	3		
4			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B17W5	Ground Water	/G	VOA (21)	51 (HCL), 52 (HCL), 53 (HCL) (3)	EPA-MW-30	S: 1/14/2004 16:45		
B17W7	Ground Water	/G	VOA (21)	100 (HCL), 101 (HCL), 93 (HCL), 94 (HCL), 95 (HCL), 96 (HCL), 97 (HCL), 98 (HCL), 99 (HCL) (9)	EPA-MW-32	S: 1/14/2004 14:40		
B17W9	Ground Water	/G	VOA (21)	78 (HCL), 79 (HCL), 80 (HCL) (3)	EPA-MW-9A	S: 1/14/2004 16:30		
B17X0	Ground Water	/G	VOA (21)	58 (HCL), 59 (HCL), 60 (HCL) (3)	EPA-MW-11D	S: 1/14/2004 9:00		
B17X3	Ground Water	/G	VOA (21)	65 (HCL), 66 (HCL), 67 (HCL) (3)	ST-MW-11	S: 1/14/2004 11:30		
B17X4	Ground Water	/G	VOA (21)	16 (HCL), 17 (HCL), 18 (HCL) (3)	ST-MW-12	S: 1/14/2004 12:30		
B17X9	Ground Water	/G	VOA (21)	2 (HCL), 3 (HCL), 4 (HCL) (3)	ST-MW-17	S: 1/17/2004 9:45		
B17Y1	Ground Water	/G	VOA (21)	10 (HCL), 11 (HCL), 9 (HCL) (3)	ST-MW-20	S: 1/14/2004 15:00		
B17Y4	Field QC	/G	VOA (21)	84 (HCL), 85 (HCL), 86 (HCL) (3)	FB-02	S: 1/14/2004 6:30		
B17Y5	Ground Water	/G	VOA (21)	87 (HCL), 88 (HCL), 89 (HCL) (3)	TB-02	S: 1/14/2004		

Shipment for Case Complete?	Sample(s) to be used for laboratory QC: B17W7	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

TR Number: 2-462971652-011404-0003

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Region: 2	Date Shipped: 1/14/2004	Chain of Custody Record	
Project Code: ,	Carrier Name: FedEx	Relinquished By	Sampler Signature
Account Code: NYD047650197	Airbill: 842135658800	(Date / Time)	Received By (Date / Time)
CERCLIS ID: 02LH	Shipped to: Celmic Corporation	1	
Site Name/State: Stanton Cleaners Groundwater Contaminati	10 Dean Knauss Drive	2	
Project Leader: JOHN HUISMAN	Narragansett RI 02882	3	
Action: Ground Wat	(401) 782-8900	4	
Sampling Co: Earth Tech, Inc.			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNDOWN	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATETIME	INORGANIC SAMPLE No.	QC Type
B17W5	Ground Water	/G	VOA (21)	51 (HCL), 52 (HCL), 53 (HCL) (3)	EPA-MW-30	S: 1/14/2004 16:45		--
B17W7	Ground Water	/G	VOA (21)	100 (HCL), 101 (HCL), 93 (HCL), 94 (HCL), 95 (HCL), 96 (HCL), 97 (HCL), 98 (HCL), 99 (HCL) (9)	EPA-MW-32	S: 1/14/2004 14:40		MSMSD
B17W9	Ground Water	/G	VOA (21)	78 (HCL), 79 (HCL), 80 (HCL) (3)	EPA-MW-9A	S: 1/14/2004 16:30		--
B17X0	Ground Water	/G	VOA (21)	58 (HCL), 59 (HCL), 60 (HCL) (3)	EPA-MW-11D	S: 1/14/2004 9:00		--
B17X3	Ground Water	/G	VOA (21)	65 (HCL), 66 (HCL), 67 (HCL) (3)	ST-MW-11	S: 1/14/2004 11:30		--
B17X4	Ground Water	/G	VOA (21)	16 (HCL), 17 (HCL), 18 (HCL) (3)	ST-MW-12	S: 1/14/2004 12:30		--
B17X9	Ground Water	/G	VOA (21)	2 (HCL), 3 (HCL), 4 (HCL) (3)	ST-MW-17	S: 1/17/2004 9:45		--
B17Y1	Ground Water	/G	VOA (21)	10 (HCL), 11 (HCL), 9 (HCL) (3)	ST-MW-20	S: 1/14/2004 15:00		--
B17Y4	Field QC	/G	VOA (21)	84 (HCL), 85 (HCL), 86 (HCL) (3)	FB-02	S: 1/14/2004 6:30		Rinsate
B17Y5	Ground Water	/G	VOA (21)	87 (HCL), 88 (HCL), 89 (HCL) (3)	TB-02	S: 1/14/2004		Trip Blank

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B17W7	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____



15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

24671

Page 1 of 1
Chain of Custody Record / Request for Analysis

Case # 32512

Client Contact Name: John Huismen
Company Name: Earth Tech, Inc.
Address: 110 Cutler Mill Road
City, State, Zip: Great Neck, NY 11021
Phone #: (516) 466-8637
Fax #: ()

Project Name: Stanton Champs LTRA GW Sampling
Project Number: 70536.04.03.01
Purchase Order Number: ---
Project Due Date: ---
Project Comments: ---
Sampler's Signature: [Signature]

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number:					Method # --->										Comments:										
Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative List total number of bottles for each preservative type.					TPH Diesel	TPH Gasoline	BTEX	MTBE		Volatiles (VOCs)	BNAs (SVOCs)	Pesticides/PCBs	PCBs	PCRB Metals	Lead	Flash Point	Point Filter	PH	Nitrate, Nitrite, Chloride Methanol, Ethanol, Ethane
						HCl	HNO ₃	NaOH	H ₂ SO ₄	Unpreserved															
1	EPA-MW-11D	1/14/04	0900	GW	5	3																			B17X0
2	ST-MW-11	1/14/04	1130	GW	5	3																			B17X3
3	EPA-MW-32	1/14/04	1440	GW	5	3																			B17W7
4	EPA-MW-9A	1/14/04	1630	GW	5	3																			B17W9
5	ST-MW-17	1/14/04	0945	GW	5	3																			B17X9
6	ST-MW-12	1/14/04	1230	GW	5	3																			B17X4
7	ST-MW-20	1/14/04	1500	GW	5	3																			B17Y1
8	EPA-MW-30	1/14/04	1645	GW	5	3																			B17W5
9	EPA-MW-32MS	1/14/04	1440	GW	5	3																			B17W7
10	EPA-MW-32MSD	1/14/04	1440	GW	5	3																			B17W7

CU 8 TO DY	Relinquished By: <u>[Signature]</u>	Date/Time: <u>1/14/04 1750</u>	Received By: <u>Felix</u>	Date/Time: <u>---</u>
	Relinquished By: <u>---</u>	Date/Time: <u>---</u>	Received By: <u>---</u>	Date/Time: <u>---</u>

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method <input type="checkbox"/> Delivered to Person <input type="checkbox"/> Courier	Custody Seal <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Broken	Coolest Temp. C <u>---</u> F <u>---</u>	Receiving Comments:
---	---	---	---------------------



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 32512

Client No:

SDG No:

L

Date Shipped: 1/15/2004 Carrier Name: FedEx Airbill: 842135658762 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record		Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1				
	2				
	3				
4					

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
B17T8	Ground Water	/G	TOC (21)	6 (H2SO4), 7 (H2SO4) (2)	EPA-MW-21	S: 1/15/2004 11:00	
B17T9	Ground Water	/G	TOC (21)	117 (H2SO4), 118 (H2SO4) (2)	EPA-MW-22	S: 1/15/2004 9:30	
B17W0	Ground Water	/G	TOC (21)	222 (H2SO4), 223 (H2SO4), 224 (H2SO4), 225 (H2SO4), 226 (H2SO4), 227 (H2SO4) (6)	EPA-MW-23	S: 1/15/2004 9:40	
B17W1	Ground Water	/G	TOC (21)	233 (H2SO4), 234 (H2SO4) (2)	EPA-MW-25	S: 1/15/2004 11:50	
B17W3	Ground Water	/G	TOC (21)	131 (H2SO4), 132 (H2SO4) (2)	EPA-MW-27	S: 1/15/2004 15:10	
B17X1	Ground Water	/G	TOC (21)	124 (H2SO4), 125 (H2SO4) (2)	ST-MW-02	S: 1/15/2004 13:00	
B17X2	Ground Water	/G	TOC (21)	205 (H2SO4), 206 (H2SO4) (2)	ST-MW-08	S: 1/15/2004 16:45	
B17X6	Ground Water	/G	TOC (21)	247 (H2SO4), 248 (H2SO4) (2)	ST-MW-14	S: 1/15/2004 15:45	
B17X8	Ground Water	/G	TOC (21)	240 (H2SO4), 241 (H2SO4) (2)	ST-MW-16	S: 1/15/2004 13:45	
B17Y6	Field QC	/G	TOC (21)	257 (H2SO4), 258 (H2SO4) (2)	FB-03	S: 1/15/2004 6:30	

Shipment for Case Complete?	Sample(s) to be used for laboratory QC: B17W0, MB17W0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? <input type="checkbox"/> Shipment Iced? <input type="checkbox"/>

TR Number: 2-462971652-011504-0001

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 32512

Client No:

SDG No:

L

Date Shipped: 1/15/2004 Carrier Name: FedEx Airbill: 842135658762 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record		Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1				
	2				
	3				
4					

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt	
B17Y7	Ground Water	/G	TOC (21)	264 (H2SO4), 265 (H2SO4) (2)	TB-03	S: 1/15/2004		
B17Z4	Ground Water	/G	TOC (21)	13 (H2SO4), 14 (H2SO4) (2)	EPA-MW-21D	S: 1/15/2004	11:00	
MB17T8	Ground Water	/G	S- (21)	5 (NaOH, Zn Acetate) (1)	EPA-MW-21	S: 1/15/2004	11:00	
MB17T9	Ground Water	/G	S- (21)	19 (NaOH, Zn Acetate) (1)	EPA-MW-22	S: 1/15/2004	9:30	
MB17W0	Ground Water	/G	S- (21)	219 (NaOH, Zn Acetate), 220 (NaOH, Zn Acetate), 221 (NaOH, Zn Acetate) (3)	EPA-MW-23	S: 1/15/2004	9:40	
MB17W1	Ground Water	/G	S- (21)	232 (NaOH, Zn Acetate) (1)	EPA-MW-25	S: 1/15/2004	11:50	
MB17W3	Ground Water	/G	S- (21)	130 (NaOH, Zn Acetate) (1)	EPA-MW-27	S: 1/15/2004	15:10	
MB17X1	Ground Water	/G	S- (21)	123 (NaOH, Zn Acetate) (1)	ST-MW-02	S: 1/15/2004	13:00	
MB17X2	Ground Water	/G	S- (21)	204 (NaOH, Zn Acetate) (1)	ST-MW-06	S: 1/15/2004	16:45	
MB17X6	Ground Water	/G	S- (21)	246 (NaOH, Zn Acetate) (1)	ST-MW-14	S: 1/15/2004	15:45	

Shipment for Case Complete?	Sample(s) to be used for laboratory QC: B17W0, MB17W0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

TR Number: 2-462971652-011504-0001

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**USEPA Contract Laboratory Program
Generic Chain of Custody**

Reference Case 32512

Client No:

SDG No:

L

Date Shipped: 1/15/2004 Carrier Name: FedEx Airbill: 842135658762 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record		Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1				
	2				
	3				
4					

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
MB17X8	Ground Water	/G	S- (21)	239 (NaOH, Zn Acetate) (1)	ST-MW-16	S: 1/15/2004 13:45	
MB17Y6	Field QC	/G	S- (21)	256 (NaOH, Zn Acetate) (1)	FB-03	S: 1/15/2004 6:30	
MB17Y7	Ground Water	/G	S- (21)	263 (NaOH, Zn Acetate) (1)	TB-03	S: 1/15/2004	
MB17Z4	Ground Water	/G	S- (21)	12 (NaOH, Zn Acetate) (1)	EPA-MW-21D	S: 1/15/2004 11:00	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B17W0, MB17W0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? <input type="checkbox"/> Shipment Iced? <input type="checkbox"/>

TR Number: 2-462971652-011504-0001

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 32512

Client No:

R

Region: 2	Date Shipped: 1/15/2004	Chain of Custody Record		Sampler Signature:
Project Code:	Carrier Name: FedEx	Relinquished By	(Date / Time)	Received By
Account Code:	Airbill: 842135658762			(Date / Time)
CERCLIS ID: NYD047650197	Shipped to: USEPA REGION II	1		
Spill ID: 02LH	Building 209 MS230	2		
Site Name/State: Stanton Cleaners Groundwater Contaminati	2890 Woodbridge Avenue	3		
Project Leader: JOHN HUISMAN	Edison NJ 08837	4		
Action: Ground Wat	(732) 906-6886			
Sampling Co: Earth Tech, Inc.				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
B17T8	Ground Water	/G	TOC (21)	6 (H2SO4), 7 (H2SO4) (2)	EPA-MW-21	S: 1/15/2004	11:00	--
B17T9	Ground Water	/G	TOC (21)	117 (H2SO4), 118 (H2SO4) (2)	EPA-MW-22	S: 1/15/2004	9:30	--
B17W0	Ground Water	/G	TOC (21)	222 (H2SO4), 223 (H2SO4), 224 (H2SO4), 225 (H2SO4), 226 (H2SO4), 227 (H2SO4) (6)	EPA-MW-23	S: 1/15/2004	9:40	MS/MSD
B17W1	Ground Water	/G	TOC (21)	233 (H2SO4), 234 (H2SO4) (2)	EPA-MW-25	S: 1/15/2004	11:50	--
B17W3	Ground Water	/G	TOC (21)	131 (H2SO4), 132 (H2SO4) (2)	EPA-MW-27	S: 1/15/2004	15:10	--
B17X1	Ground Water	/G	TOC (21)	124 (H2SO4), 125 (H2SO4) (2)	ST-MW-02	S: 1/15/2004	13:00	--
B17X2	Ground Water	/G	TOC (21)	205 (H2SO4), 206 (H2SO4) (2)	ST-MW-06	S: 1/15/2004	16:45	--
B17X6	Ground Water	/G	TOC (21)	247 (H2SO4), 248 (H2SO4) (2)	ST-MW-14	S: 1/15/2004	15:45	--
B17X8	Ground Water	/G	TOC (21)	240 (H2SO4), 241 (H2SO4) (2)	ST-MW-16	S: 1/15/2004	13:45	--
B17Y6	Field QC	/G	TOC (21)	257 (H2SO4), 258 (H2SO4) (2)	FB-03	S: 1/15/2004	6:30	Rinsate

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B17W0, MB17W0	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011504-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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USEPA Contract Laboratory Program Generic Chain of Custody

Reference Case: 32512

Client No:

R

Region: 2 Project Code: Account Code: CERCLIS ID: NYD047650197 Spill ID: 02LH Site Name/State: Stanton Cleaners Groundwater Contaminati Project Leader: JOHN HUISMAN Action: Ground Wat Sampling Co: Earth Tech, Inc.	Date Shipped: 1/15/2004 Carrier Name: FedEx Airbill: 842135658762 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record <table border="1"> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Received By</th> <th>(Date / Time)</th> </tr> <tr><td>1</td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td></tr> </table>	Relinquished By	(Date / Time)	Received By	(Date / Time)	1				2				3				4				Sampler Signature:
Relinquished By	(Date / Time)	Received By	(Date / Time)																				
1																							
2																							
3																							
4																							

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
B17Y7	Ground Water	/G	TOC (21)	264 (H2SO4), 265 (H2SO4) (2)	TB-03	S: 1/15/2004		Trip Blank
B17Z4	Ground Water	/G	TOC (21)	13 (H2SO4), 14 (H2SO4) (2)	EPA-MW-21D	S: 1/15/2004	11:00	Field Duplicate
MB17T8	Ground Water	/G	S- (21)	5 (NaOH, Zn Acetate) (1)	EPA-MW-21	S: 1/15/2004	11:00	--
MB17T9	Ground Water	/G	S- (21)	19 (NaOH, Zn Acetate) (1)	EPA-MW-22	S: 1/15/2004	9:30	--
MB17W0	Ground Water	/G	S- (21)	219 (NaOH, Zn Acetate), 220 (NaOH, Zn Acetate), 221 (NaOH, Zn Acetate) (3)	EPA-MW-23	S: 1/15/2004	9:40	MS/MSD
MB17W1	Ground Water	/G	S- (21)	232 (NaOH, Zn Acetate) (1)	EPA-MW-25	S: 1/15/2004	11:50	--
MB17W3	Ground Water	/G	S- (21)	130 (NaOH, Zn Acetate) (1)	EPA-MW-27	S: 1/15/2004	15:10	--
MB17X1	Ground Water	/G	S- (21)	123 (NaOH, Zn Acetate) (1)	ST-MW-02	S: 1/15/2004	13:00	--
MB17X2	Ground Water	/G	S- (21)	204 (NaOH, Zn Acetate) (1)	ST-MW-06	S: 1/15/2004	16:45	--
MB17X6	Ground Water	/G	S- (21)	246 (NaOH, Zn Acetate) (1)	ST-MW-14	S: 1/15/2004	15:45	--
MB17X8	Ground Water	/G	S- (21)	239 (NaOH, Zn Acetate) (1)	ST-MW-16	S: 1/15/2004	13:45	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B17W0, MB17W0	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011504-0001

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 32512

Client No:

R

Region: 2	Date Shipped: 1/15/2004	Chain of Custody Record	Sampler Signature:
Project Code:	Carrier Name: FedEx		Relinquished By (Date / Time)
Account Code:	Airbill: 842135658762	1	
CERCLIS ID: NYD047650197	Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	2	
Spill ID: 02LH		3	
Site Name/State: Stanton Cleaners Groundwater Contaminati		4	
Project Leader: JOHN HUISMAN			
Action: Ground Wat			
Sampling Co: Earth Tech, Inc.			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
MB17Y6	Field QC	/G	S- (21)	256 (NaOH, Zn Acetate) (1)	FB-03	S: 1/15/2004 6:30	Rinsate
MB17Y7	Ground Water	/G	S- (21)	263 (NaOH, Zn Acetate) (1)	TB-03	S: 1/15/2004	Trip Blank
MB17Z4	Ground Water	/G	S- (21)	12 (NaOH, Zn Acetate) (1)	EPA-MW-21D	S: 1/15/2004 11:00	Field Duplicate

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B17W0, MB17W0	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011504-0001

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

SDG No:

L

Date Shipped: 1/15/2004 Carrier Name: FedEx Airbill: 842135658762 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record	Sampler Signature:	For Lab Use Only
	Relinquished By (Date / Time)	Received By (Date / Time)	Lab Contract No:
	1		Unit Price:
	2		Transfer To:
	3		Lab Contract No:
4		Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB17T8	Ground Water	/G	Alk (21)	1 (Not preserved) (1)	EPA-MW-21	S: 1/15/2004	11:00	B17T8	
MB17T9	Ground Water	/G	Alk (21)	15 (Not preserved) (1)	EPA-MW-22	S: 1/15/2004	9:30	B17T9	
MB17W0	Ground Water	/G	Alk (21)	207 (Not preserved), 208 (Not preserved), 209 (Not preserved) (3)	EPA-MW-23	S: 1/15/2004	9:40	B17W0	
MB17W1	Ground Water	/G	Alk (21)	228 (Not preserved) (1)	EPA-MW-25	S: 1/15/2004	11:50	B17W1	
MB17W3	Ground Water	/G	Alk (21)	126 (Not preserved) (1)	EPA-MW-27	S: 1/15/2004	15:10	B17W3	
MB17X1	Ground Water	/G	Alk (21)	119 (Not preserved) (1)	ST-MW-02	S: 1/15/2004	13:00	B17X1	
MB17X2	Ground Water	/G	Alk (21)	200 (Not preserved) (1)	ST-MW-06	S: 1/15/2004	16:45	B17X2	
MB17X6	Ground Water	/G	Alk (21)	242 (Not preserved) (1)	ST-MW-14	S: 1/15/2004	15:45	B17X6	
MB17X8	Ground Water	/G	Alk (21)	235 (Not preserved) (1)	ST-MW-16	S: 1/15/2004	13:45	B17X8	
MB17Y6	Field QC	/G	Alk (21)	MB17Y6249 (Not preserved) (1)	FB-03	S: 1/15/2004	6:30	B17Y6	

Shipment for Case Complete? <input type="checkbox"/>	Sample(s) to be used for laboratory QC: MB17W0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: Alk = Alkalinity	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>

TR Number: 2-462971652-011504-0002

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32512
DAS No:
SDG No:

L

Date Shipped: 1/15/2004 Carrier Name: FedEx Airbill: 842135658762 Shipped to: USEPA REGION II. Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record		Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1				
	2				
	3				
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB17Y7	Ground Water	/G	Alk (21)	259 (Not preserved) (1)	TB-03	S: 1/15/2004	B17Y7	
MB17Z4	Ground Water	/G	Alk (21)	8 (Not preserved) (1)	EPA-MW-21D	S: 1/15/2004 11:00	B17Z4	

Shipment for Case Complete?	Sample(s) to be used for laboratory QC: MB17W0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key: Alk = Alkalinity	Concentration: L = Low, M = Low/Medium, H = High		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ____ Shipment Iced? ____

TR Number: 2-462971652-011504-0002

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

R

Region: 2	Date Shipped: 1/15/2004	Chain of Custody Record		Sampler Signature:
Project Code:	Carrier Name: FedEx			
Account Code:	Airbill: 842135658762	Relinquished By	(Date / Time)	Received By
CERCLIS ID: NYD047650197	Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886			
Spill ID: 02LH		1		
Site Name/State: Stanton Cleaners Groundwater Contaminati		2		
Project Leader: JOHN HUISMAN		3		
Action: Ground Wat		4		
Sampling Co: Earth Tech, Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MB17T8	Ground Water	/G	Alk (21)	1 (Not preserved) (1)	EPA-MW-21	S: 1/15/2004	11:00	B17T8	--
MB17T9	Ground Water	/G	Alk (21)	15 (Not preserved) (1)	EPA-MW-22	S: 1/15/2004	9:30	B17T9	--
MB17W0	Ground Water	/G	Alk (21)	207 (Not preserved), 208 (Not preserved), 209 (Not preserved) (3)	EPA-MW-23	S: 1/15/2004	9:40	B17W0	MS/MSD
MB17W1	Ground Water	/G	Alk (21)	228 (Not preserved) (1)	EPA-MW-25	S: 1/15/2004	11:50	B17W1	--
MB17W3	Ground Water	/G	Alk (21)	126 (Not preserved) (1)	EPA-MW-27	S: 1/15/2004	15:10	B17W3	--
MB17X1	Ground Water	/G	Alk (21)	119 (Not preserved) (1)	ST-MW-02	S: 1/15/2004	13:00	B17X1	--
MB17X2	Ground Water	/G	Alk (21)	200 (Not preserved) (1)	ST-MW-06	S: 1/15/2004	16:45	B17X2	--
MB17X6	Ground Water	/G	Alk (21)	242 (Not preserved) (1)	ST-MW-14	S: 1/15/2004	15:45	B17X6	--
MB17X8	Ground Water	/G	Alk (21)	235 (Not preserved) (1)	ST-MW-16	S: 1/15/2004	13:45	B17X8	--
MB17Y6	Field QC	/G	Alk (21)	MB17Y6249 (Not preserved) (1)	FB-03	S: 1/15/2004	6:30	B17Y6	Rinsate
MB17Y7	Ground Water	/G	Alk (21)	259 (Not preserved) (1)	TB-03	S: 1/15/2004		B17Y7	Trip Blank

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MB17W0	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: Alk = Alkalinity	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011504-0002

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

R

Region: 2	Date Shipped: 1/15/2004	Chain of Custody Record	Sampler Signature:
Project Code:	Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:	Airbill: 842135658762	1	
CERCLIS ID: NYD047650197	Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	2	
Spill ID: 02LH		3	
Site Name/State: Stanton Cleaners Groundwater Contaminati		4	
Project Leader: JOHN HUISMAN			
Action: Ground Wat			
Sampling Co: Earth Tech, Inc.			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MB17Z4	Ground Water	/G	Alk (21)	8 (Not preserved) (1)	EPA-MW-21D	S: 1/15/2004 11:00	B17Z4	Field Duplicate

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MB17W0	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: Alk = Alkalinity	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011504-0002

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

SDG No:

L

Date Shipped: 1/15/2004 Carrier Name: FedEx Airbill: 842135658773 Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Chain of Custody Record	Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____
	Relinquished By (Date / Time)	Received By (Date / Time)	
	1		
	2		
	3		
4			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B17T9	Ground Water	/G	VOA (21)	16 (HCL), 17 (HCL), 18 (HCL) (3)	EPA-MW-22	S: 1/15/2004 9:30		
B17W0	Ground Water	/G	VOA (21)	210 (HCL), 211 (HCL), 212 (HCL), 213 (HCL), 214 (HCL), 215 (HCL), 216 (HCL), 217 (HCL), 218 (HCL) (9)	EPA-MW-23	S: 1/15/2004 9:40		
B17W1	Ground Water	/G	VOA (21)	229 (HCL), 230 (HCL), 231 (HCL) (3)	EPA-MW-25	S: 1/15/2004 11:50		
B17W3	Ground Water	/G	VOA (21)	127 (HCL), 128 (HCL), 129 (HCL) (3)	EPA-MW-27	S: 1/15/2004 15:10		
B17X1	Ground Water	/G	VOA (21)	120 (HCL), 121 (HCL), 122 (HCL) (3)	ST-MW-02	S: 1/15/2004 13:00		
B17X2	Ground Water	/G	VOA (21)	201 (HCL), 202 (HCL), 203 (HCL) (3)	ST-MW-06	S: 1/15/2004 16:45		
B17X6	Ground Water	/G	VOA (21)	243 (HCL), 244 (HCL), 245 (HCL) (3)	ST-MW-14	S: 1/15/2004 15:45		
B17X8	Ground Water	/G	VOA (21)	236 (HCL), 237 (HCL), 238 (HCL) (3)	ST-MW-16	S: 1/15/2004 13:45		
B17Y6	Field QC	/G	VOA (21)	B17T6252 (HCL), B17Y6250 (HCL), B17Y6251 (HCL) (3)	FB-03	S: 1/15/2004 6:30		
B17Y7	Ground Water	/G	VOA (21)	260 (HCL), 261 (HCL), 262 (HCL) (3)	TB-03	S: 1/15/2004		

Shipment for Case Complete?	Sample(s) to be used for laboratory QC: B17W0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G			Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>

TR Number: 2-462971652-011504-0003

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32512
DAS No:
SDG No:

L

Date Shipped: 1/15/2004 Carrier Name: FedEx Airbill: 842135658773 Shipped to: Ceirmic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Chain of Custody Record		Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1				
	2				
	3				
4					

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No / PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B17Z4	Ground Water	/G	VOA (21)	10 (HCL), 11 (HCL), 9 (HCL) (3)	EPA-MW-21D	S: 1/15/2004 11:00		

Shipment for Case Complete?	Sample(s) to be used for laboratory QC: B17W0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

TR Number: 2-462971652-011504-0003

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

R

Region: 2	Date Shipped: 1/15/2004	Chain of Custody Record	Sampler Signature:
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 842135658773	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID: NYD047650197	Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	1	
Spill ID: 02LH		2	
Site Name/State: Stanton Cleaners Groundwater Contaminati		3	
Project Leader: JOHN HUISMAN		4	
Action: Ground Wat			
Sampling Co: Earth Tech, Inc.			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B17T9	Ground Water	/G	VOA (21)	16 (HCL), 17 (HCL), 18 (HCL) (3)	EPA-MW-22	S: 1/15/2004	9:30		—
B17W0	Ground Water	/G	VOA (21)	210 (HCL), 211 (HCL), 212 (HCL), 213 (HCL), 214 (HCL), 215 (HCL), 216 (HCL), 217 (HCL), 218 (HCL) (9)	EPA-MW-23	S: 1/15/2004	9:40		MS/MSD
B17W1	Ground Water	/G	VOA (21)	229 (HCL), 230 (HCL), 231 (HCL) (3)	EPA-MW-25	S: 1/15/2004	11:50		--
B17W3	Ground Water	/G	VOA (21)	127 (HCL), 128 (HCL), 129 (HCL) (3)	EPA-MW-27	S: 1/15/2004	15:10		--
B17X1	Ground Water	/G	VOA (21)	120 (HCL), 121 (HCL), 122 (HCL) (3)	ST-MW-02	S: 1/15/2004	13:00		—
B17X2	Ground Water	/G	VOA (21)	201 (HCL), 202 (HCL), 203 (HCL) (3)	ST-MW-06	S: 1/15/2004	16:45		—
B17X6	Ground Water	/G	VOA (21)	243 (HCL), 244 (HCL), 245 (HCL) (3)	ST-MW-14	S: 1/15/2004	15:45		—
B17X8	Ground Water	/G	VOA (21)	236 (HCL), 237 (HCL), 238 (HCL) (3)	ST-MW-16	S: 1/15/2004	13:45		--
B17Y6	Field QC	/G	VOA (21)	B17T6252 (HCL), B17Y6250 (HCL), B17Y6251 (HCL) (3)	FB-03	S: 1/15/2004	6:30		Rinsate
B17Y7	Ground Water	/G	VOA (21)	260 (HCL), 261 (HCL), 262 (HCL) (3)	TB-03	S: 1/15/2004			Trip Blank

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B17W0	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011504-0003

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

R

Region: 2	Date Shipped: 1/15/2004	Chain of Custody Record	Sampler Signature:	
Project Code:	Carrier Name: FedEx		Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:	Airbill: 842135658773		1	
CERCLIS ID: NYD047650197	Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900		2	
Spill ID: 02LH			3	
Site Name/State: Stanton Cleaners Groundwater Contaminati		4		
Project Leader: JOHN HUISMAN				
Action: Ground Wat				
Sampling Co: Earth Tech, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
B17Z4	Ground Water	/G	VOA (21)	10 (HCL), 11 (HCL), 9 (HCL) (3)	EPA-MW-21D	S: 1/15/2004 11:00		Field Duplicate

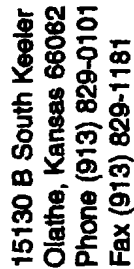
Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: B17W0	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011504-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

REGION COPY



24673

Page 2 of 2
Chain of Custody Record / Request for Analysis

Analytical Management Laboratories, Inc.

Client Contact Name: John Huismar
Company Name: Earth Tech, Inc.
Address: 110 Culbreth Mill Road
City, State, Zip: Great Neck, NY 11021
Phone #: (516) 358-7133
Fax #: ()

Project Name: Sturgeon LTRA Groundwater Sampling
Project Number: 70536, 04, 03, 01
Purchase Order Number: _____
Project Due Date: _____
Project Comments: _____
Sampler's Signature: _____

Analyses/Method to be Performed (Check all that apply)[illegible]

CUSS	Relinquished By:	<i>John A. [Signature]</i>	Date/Time:	11/15/95	Received By:	Fedex	Date/Time:	
FOID	Relinquished By:		Date/Time:		Received By:		Date/Time:	

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method <input type="checkbox"/> Delivered in Person <input type="checkbox"/> Courier	Custody Seals <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Init	Coolant <input type="checkbox"/> Ice <input type="checkbox"/> Blue Ice	Cooler Temp. _____ °C <input type="checkbox"/> Temp. Blank	Receiving Comments:
--	---	---	---	----------------------------



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 32512

Client No:

SDG No:

L

Date Shipped: 1/19/2004 Carrier Name: FedEx Airbill: 842135658707 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record		Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1				
	2				
	3				
4					

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
B17W2	Ground Water	/G	TOC (21)	27 (H2SO4), 28 (H2SO4) (2)	EPA-MW-26	S: 1/16/2004 9:00	
B17X5	Ground Water	/G	TOC (21)	13 (H2SO4), 14 (H2SO4) (2)	ST-MW-13	S: 1/16/2004 11:20	
B17X7	Ground Water	/G	TOC (21)	6 (H2SO4), 7 (H2SO4) (2)	ST-MW-15	S: 1/16/2004 9:15	
B17Y0	Ground Water	/G	TOC (21)	20 (H2SO4), 21 (H2SO4) (2)	ST-MW-18	S: 1/16/2004 12:20	
MB17W2	Ground Water	/G	S- (21)	26 (NaOH, Zn Acetate) (1)	EPA-MW-26	S: 1/16/2004 9:00	
MB17X5	Ground Water	/G	S- (21)	12 (NaOH, Zn Acetate) (1)	ST-MW-13	S: 1/16/2004 11:20	
MB17X7	Ground Water	/G	S- (21)	5 (NaOH, Zn Acetate) (1)	ST-MW-15	S: 1/16/2004 9:15	
MB17Y0	Ground Water	/G	S- (21)	19 (NaOH, Zn Acetate) (1)	ST-MW-18	S: 1/16/2004 12:20	

Shipment for Case Complete?	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ____ Shipment Iced? ____
S- = Sulfide, TOC = Total Organic Carbon					

TR Number: 2-462971652-011604-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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LABORATORY COPY



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 32512

Client No:

R

Region: 2	Date Shipped: 1/19/2004	Chain of Custody Record	Sampler Signature:
Project Code:	Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:	Airbill: 842135658707	1	
CERCLIS ID: NYD047650197	Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	2	
Spill ID: 02LH		3	
Site Name/State: Stanton Cleaners Groundwater Contaminati		4	
Project Leader: JOHN HUISMAN			
Action: Ground Wat			
Sampling Co: Earth Tech, Inc.			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
B17W2	Ground Water	/G	TOC (21)	27 (H2SO4), 28 (H2SO4) (2)	EPA-MW-26	S: 1/16/2004	9:00	--
B17X5	Ground Water	/G	TOC (21)	13 (H2SO4), 14 (H2SO4) (2)	ST-MW-13	S: 1/16/2004	11:20	--
B17X7	Ground Water	/G	TOC (21)	6 (H2SO4), 7 (H2SO4) (2)	ST-MW-15	S: 1/16/2004	9:15	--
B17Y0	Ground Water	/G	TOC (21)	20 (H2SO4), 21 (H2SO4) (2)	ST-MW-18	S: 1/16/2004	12:20	--
MB17W2	Ground Water	/G	S- (21)	26 (NaOH, Zn Acetate) (1)	EPA-MW-26	S: 1/16/2004	9:00	--
MB17X5	Ground Water	/G	S- (21)	12 (NaOH, Zn Acetate) (1)	ST-MW-13	S: 1/16/2004	11:20	--
MB17X7	Ground Water	/G	S- (21)	5 (NaOH, Zn Acetate) (1)	ST-MW-15	S: 1/16/2004	9:15	--
MB17Y0	Ground Water	/G	S- (21)	19 (NaOH, Zn Acetate) (1)	ST-MW-18	S: 1/16/2004	12:20	--

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: S- = Sulfide, TOC = Total Organic Carbon	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011604-0001

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32512
DAS No:
SDG No:

L

Date Shipped: 1/19/2004 Carrier Name: FedEx Airbill: 842135658707 Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	Chain of Custody Record		Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1				
	2				
	3				
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB17W2	Ground Water	/G	Alk (21)	22 (Not preserved) (1)	EPA-MW-26	S: 1/16/2004	9:00	B17W2	
MB17X5	Ground Water	/G	Alk (21)	8 (Not preserved) (1)	ST-MW-13	S: 1/16/2004	11:20	B17X5	
MB17X7	Ground Water	/G	Alk (21)	1 (Not preserved) (1)	ST-MW-15	S: 1/16/2004	9:15	B17X7	
MB17Y0	Ground Water	/G	Alk (21)	15 (Not preserved) (1)	ST-MW-18	S: 1/16/2004	12:20	B17Y0	

Shipment for Case Complete?	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key: Alk = Alkalinity	Concentration: L = Low, M = Low/Medium, H = High		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? <input type="checkbox"/> Shipment Iced? <input type="checkbox"/>

TR Number: 2-462971652-011604-0002

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

R

Region: 2	Date Shipped: 1/19/2004	Chain of Custody Record	Sampler Signature:
Project Code:	Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:	Airbill: 842135658707	1	
CERCLIS ID: NYD047650197	Shipped to: USEPA REGION II Building 209 MS230 2890 Woodbridge Avenue Edison NJ 08837 (732) 906-6886	2	
Spill ID: 02LH		3	
Site Name/State: Stanton Cleaners Groundwater Contaminati		4	
Project Leader: JOHN HUISMAN			
Action: Ground Wat			
Sampling Co: Earth Tech, Inc.			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MB17W2	Ground Water	/G	Alk (21)	22 (Not preserved) (1)	EPA-MW-26	S: 1/16/2004	9:00	B17W2	--
MB17X5	Ground Water	/G	Alk (21)	8 (Not preserved) (1)	ST-MW-13	S: 1/16/2004	11:20	B17X5	--
MB17X7	Ground Water	/G	Alk (21)	1 (Not preserved) (1)	ST-MW-15	S: 1/16/2004	9:15	B17X7	--
MB17Y0	Ground Water	/G	Alk (21)	15 (Not preserved) (1)	ST-MW-18	S: 1/16/2004	12:20	B17Y0	--

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: Alk = Alkalinity	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011604-0002

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

SDG No:

L

Date Shipped: 1/16/2004 Carrier Name: FedEx Airbill: 842135658730 Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Chain of Custody Record		Sampler Signature:	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1				
	2				
	3				
4					

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
B17W2	Ground Water	/G	VOA (21)	23 (HCL), 24 (HCL), 25 (HCL) (3)	EPA-MW-26	S: 1/16/2004 9:00		
B17X5	Ground Water	/G	VOA (21)	10 (HCL), 11 (HCL), 9 (HCL) (3)	ST-MW-13	S: 1/16/2004 11:20		
B17X7	Ground Water	/G	VOA (21)	2 (HCL), 3 (HCL), 4 (HCL) (3)	ST-MW-15	S: 1/16/2004 9:15		
B17Y0	Ground Water	/G	VOA (21)	16 (HCL), 17 (HCL), 18 (HCL) (3)	ST-MW-18	S: 1/16/2004 12:20		
B17Y8	Field QC	/G	VOA (21)	29 (HCL), 30 (HCL), 31 (HCL) (3)	FB-04	S: 1/16/2004 6:30		
B17Y9	Ground Water	/G	VOA (21)	32 (HCL), 33 (HCL), 34 (HCL) (3)	TB-04	S: 1/16/2004		

Shipment for Case Complete?	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High		Type/Designate: Composite = C, Grab = G		Custody Seal Intact? <input type="checkbox"/> Shipment Iced? <input type="checkbox"/>

TR Number: 2-462971652-011604-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

LABORATORY COPY



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32512

DAS No:

R

Region: 2	Date Shipped: 1/16/2004	Chain of Custody Record	Sampler Signature:	
Project Code:	Carrier Name: FedEx		Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:	Airbill: 842135658730		1	
CERCLIS ID: NYD047650197	Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900		2	
Spill ID: 02LH			3	
Site Name/State: Stanton Cleaners Groundwater Contaminati		4		
Project Leader: JOHN HUISMAN				
Action: Ground Wat				
Sampling Co: Earth Tech, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B17W2	Ground Water	/G	VOA (21)	23 (HCL), 24 (HCL), 25 (HCL) (3)	EPA-MW-26	S: 1/16/2004	9:00		--
B17X5	Ground Water	/G	VOA (21)	10 (HCL), 11 (HCL), 9 (HCL) (3)	ST-MW-13	S: 1/16/2004	11:20		--
B17X7	Ground Water	/G	VOA (21)	2 (HCL), 3 (HCL), 4 (HCL) (3)	ST-MW-15	S: 1/16/2004	9:15		--
B17Y0	Ground Water	/G	VOA (21)	16 (HCL), 17 (HCL), 18 (HCL) (3)	ST-MW-18	S: 1/16/2004	12:20		--
B17Y8	Field QC	/G	VOA (21)	29 (HCL), 30 (HCL), 31 (HCL) (3)	FB-04	S: 1/16/2004	6:30		Rinsate
B17Y9	Ground Water	/G	VOA (21)	32 (HCL), 33 (HCL), 34 (HCL) (3)	TB-04	S: 1/16/2004			Trip Blank

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-462971652-011604-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

REGION COPY



15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

Case # 32512

24674

Page 1 of 1
Chain of Custody Record / Request for Analysis

Client Contact Name: John Huismar
Company Name: Earth Tech, Inc.
Address: 110 Cotten Mill Road
City, State, Zip: Great Neck, NY 11021
Phone #: (516) 466-8637
Fax #: ()

Project Name: Staton Cleaners L72A Graduate
Project Number: 70536.04.03.01
Purchase Order Number:
Project Due Date:
Project Comments:
Sampler's Signature: John Huismar

Analyses/Method to be Performed (Check all that apply)

Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Method # --->						TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pesticides/PCBs	PCBs	RCRAs Metals	Lead	Flash Point	Paint Filter	PH	Comments:		
						Preservative	Let total number of bottles for each preservative type.	HCl	HNO ₃	NaOH	H ₂ SO ₄															Unpreserved	4°C
1	ST-MW-15	11/6/04	0915	GW	5	3																					
2	ST-MW-13	11/6/04	1120	GW	5	3																					
3	EPA-MW-26	11/6/04	0900	GW	5	3																					
4	ST-MW-18	11/6/04	1220	GW	5	3																					
5																											
6																											
7																											
8																											
9																											
10																											

Relinquished By: <u>John Huismar</u>	Date/Time: <u>11/6/04</u>	Received By: <u>Felix</u>	Date/Time: <u> </u>
Relinquished By: <u> </u>	Date/Time: <u> </u>	Received By: <u> </u>	Date/Time: <u> </u>

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method <input type="checkbox"/> Delivered in Person <input type="checkbox"/> Courier	Custody Seals <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Initial	Coolant <input type="checkbox"/> Ice <input type="checkbox"/> Dry Ice	Cooler Temp. <input type="checkbox"/> Yes <input type="checkbox"/> No	Receiving Comments: <u> </u>
---	---	--	--	---------------------------------------

APPENDIX C
FEDEX AIRBILLS



A **tyco** INTERNATIONAL LTD. COMPANY

FedEx USA Airbill
Express

FedEx
Tracking
Number

842135663831

1 **From** Please print and print hard.
Date 11/13/04 Sender's FedEx Account Number 237-4259-8
Sender's Name John Huisman Phone (516) 466-8637
Company Earth Tech, Inc.
Address 110 Cuttermill Road
City Great Neck State NY ZIP 11021
2 **Your Internal Billing Reference** 5442001
3 **To**
Recipient's Name US EPA - Sample Receiving Phone (732) 906-6886
Company U.S. EPA Region 2 Laboratory - John Birri
Address 2890 Woodbridge Ave. Building 209 MS-230
City Edison State NJ ZIP 08837

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Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3338.

Sender's Copy

4a **Express Package Service** Packages up to 150 lbs.
☒ FedEx Priority Overnight Next business morning
☐ FedEx Standard Overnight Next business afternoon
☐ FedEx First Overnight Earliest next business morning delivery to select locations
☐ FedEx 2Day Second business day
☐ FedEx Express Saver Third business day
4b **Express Freight Service** Packages over 150 lbs.
☐ FedEx 1Day Freight* Next business day
☐ FedEx 2Day Freight Second business day
☐ FedEx 3Day Freight Third business day
5 **Packaging** Declared value limit \$500
☐ FedEx Envelope* ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
☒ Other
6 **Special Handling** Include FedEx address in Section 3.
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
Does this shipment contain dangerous goods?
☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required
Dry Ice Dry Ice, 3 UN 1845 x _____
Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only
7 **Payment / Bill to:** Enter FedEx Acct. No. or Credit Card No. below.
☒ Sender Acct. No. in Section 1 will be billed ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
FedEx Acct. No. Credit Card No. Exp. Date
Total Packages 1 Total Weight _____ Total Declared Value* \$ _____ .00
*Our liability is limited to \$100 unless you declare a higher value. See back for details. FedEx Use Only

8 **Release Signature** Sign to authorize delivery without obtaining signature.
By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
Rev. Date 10/01 • Part #157611 • ©1994-2001 FedEx • PRINTED IN U.S.A. WCSL 03

446

FedEx USA Airbill
Express

FedEx
Tracking
Number

842135663820

1 **From** Please print and print hard.
Date 11/13/04 Sender's FedEx Account Number 237-4259-8
Sender's Name John Huisman Phone (516) 466-8637
Company Earth Tech, Inc.
Address 110 Cuttermill Road
City Great Neck State NY ZIP 11021
2 **Your Internal Billing Reference** 5442001
3 **To**
Recipient's Name Sample Receiving Phone (401) 782-8900
Company Cemtec Corporation Lab
Address 10 Dean Knauss Drive
City Narragansett State RI ZIP 02882

Try online shipping at fedex.com

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Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3338.

Sender's Copy

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☒ FedEx Priority Overnight Next business morning
☐ FedEx Standard Overnight Next business afternoon
☐ FedEx First Overnight Earliest next business morning delivery to select locations
☐ FedEx 2Day Second business day
☐ FedEx Express Saver Third business day
4b **Express Freight Service** Packages over 150 lbs.
☐ FedEx 1Day Freight* Next business day
☐ FedEx 2Day Freight Second business day
☐ FedEx 3Day Freight Third business day
5 **Packaging** Declared value limit \$500
☐ FedEx Envelope* ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
☒ Other
6 **Special Handling** Include FedEx address in Section 3.
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
Does this shipment contain dangerous goods?
☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required
Dry Ice Dry Ice, 3 UN 1845 x _____
Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only
7 **Payment / Bill to:** Enter FedEx Acct. No. or Credit Card No. below.
☒ Sender Acct. No. in Section 1 will be billed ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
FedEx Acct. No. Credit Card No. Exp. Date
Total Packages 1 Total Weight _____ Total Declared Value* \$ _____ .00
*Our liability is limited to \$100 unless you declare a higher value. See back for details. FedEx Use Only

8 **Release Signature** Sign to authorize delivery without obtaining signature.
By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
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446

FedEx USA Airbill

FedEx Tracking Number

842135663842

Sender's Copy

1 From Please print and press hard.
 Date 1/13/04 Sender's FedEx Account Number 237-4259-8
 Sender's Name John Huisman Phone (516) 466-8637
 Company Earth Tech, Inc.
 Address 110 Cutter M. 11 Road
 City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference 5442001 OPTIONAL

3 To Recipient's Name Sample Receiving Phone (913) 829-0101
 Company Analytical Management Laboratories Nissa Said
 Address 15 130B South Keeler
 City Olathe State KS ZIP 66062

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com
 or call 1.800.Go.FedEx® 800.463.3339.

4a Express Package Service
☒ FedEx Priority Overnight Next business morning
☐ FedEx Standard Overnight Next business afternoon
☐ FedEx 2Day Second business day
☐ FedEx Express Saver Third business day
 Packages up to 150 lbs. Delivery commitment may be later in some areas.
 FedEx First Overnight Earliest next business morning delivery to select locations.

4b Express Freight Service
☐ FedEx 10Day Freight* Next business day
☐ FedEx 2Day Freight Second business day
☐ FedEx 3Day Freight Third business day
 Packages over 150 lbs. Delivery commitment may be later in some areas.

5 Packaging
☐ FedEx Envelope*
☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
☒ Other
 * Declared value limit \$500

6 Special Handling
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
 Does this shipment contain dangerous goods? One box must be checked.
☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required
 Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.
☐ Dry Ice Dry Ice, 3 UN 1845 x kg
☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
 FedEx Acct. No. Credit Card No. Exp. Date
 Total Packages 1 Total Weight 1 Total Declared Value* \$.00
 *Our liability is limited to \$100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.
 By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
 Rev. Date 10/01-Port #157611-©1994-2001 FedEx-PRINTED IN U.S.A. WCSJ 03

446

FedEx USA Airbill

FedEx Tracking Number

842135658800

Sender's Copy

1 From Please print and press hard.
 Date 1/14/04 Sender's FedEx Account Number 237-4259-8
 Sender's Name John Huisman Phone (516) 466-8637
 Company Earth Tech, Inc.
 Address 110 Cutter M. 11 Road
 City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference 5442001 OPTIONAL

3 To Recipient's Name Sample Receiving Phone (401) 782-8900
 Company Celmic Corporation Laboratory
 Address 10 Dean Knauss Drive
 City Narragansett State RI ZIP 02882

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4a Express Package Service
☒ FedEx Priority Overnight Next business morning
☐ FedEx Standard Overnight Next business afternoon
☐ FedEx 2Day Second business day
☐ FedEx Express Saver Third business day
 Packages up to 150 lbs. Delivery commitment may be later in some areas.
 FedEx First Overnight Earliest next business morning delivery to select locations.

4b Express Freight Service
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☐ FedEx 2Day Freight Second business day
☐ FedEx 3Day Freight Third business day
 Packages over 150 lbs. Delivery commitment may be later in some areas.

5 Packaging
☐ FedEx Envelope*
☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
☒ Other
 * Declared value limit \$500

6 Special Handling
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
 Does this shipment contain dangerous goods? One box must be checked.
☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required
 Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.
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☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
 FedEx Acct. No. Credit Card No. Exp. Date
 Total Packages 1 Total Weight 1 Total Declared Value* \$.00
 *Our liability is limited to \$100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.
 By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
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446

FedEx USA Airbill

FedEx Tracking Number **842135658821**

1 From Please print and press hard.
 Date **1/14/04** Sender's FedEx Account Number **237-4259-8**
 Sender's Name **John Huismann** Phone **(516) 466-8637**
 Company **Earth Tech, Inc.**
 Address **110 Cuttermill Road**
 City **Great Neck** State **NY** ZIP **11021**

2 Your Internal Billing Reference **5442001** OPTIONAL

3 To
 Recipient's Name **US EPA - Sample Receiving 732) 906-6886**
 Company **US EPA Region 2 Laboratory - John Birri**
 Address **2890 Woodbridge Ave. Building 204 MS-230**
 City **Edison** State **NJ** ZIP **08837**

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4a Express Package Service Packages up to 150 lbs.
☒ FedEx Priority Overnight Next business morning
☐ FedEx Standard Overnight Next business afternoon
☐ FedEx First Overnight Earliest next business morning delivery to select locations

☐ FedEx 2Day Second business day
☐ FedEx Express Saver Third business day
 FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service Packages over 150 lbs.
☐ FedEx 1Day Freight* Next business day
☐ FedEx 2Day Freight Second business day
☐ FedEx 3Day Freight Third business day

* Call for Confirmation

5 Packaging Declared value limit \$500
☐ FedEx Envelope*
☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
☒ Other

6 Special Handling Include FedEx address in Section 3.
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?
☒ No One box must be checked.
☐ Yes Add per attached Shipper's Declaration
☐ Yes Shipper's Declaration not required
☐ Dry Ice Dry Ice, 3, UN 1845
☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
☒ Sender Acct. No. in Section 3 will be billed.
☐ Recipient
☐ Third Party
☐ Credit Card
☐ Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages **1** Total Weight **1** Total Declared Value* \$ **00**

* Our liability is limited to \$100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.
 By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
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FedEx USA Airbill

FedEx Tracking Number **842135658810**

1 From Please print and press hard.
 Date **1/14/04** Sender's FedEx Account Number **237-4259-8**
 Sender's Name **John Huismann** Phone **(516) 466-8637**
 Company **Earth Tech, Inc.**
 Address **110 Cuttermill Road**
 City **Great Neck** State **NY** ZIP **11021**

2 Your Internal Billing Reference **5442001** OPTIONAL

3 To
 Recipient's Name **Sample Receiving Nissa said** Phone **(913) 829-0101**
 Company **Analytical Management Laboratories**
 Address **15130B South Keeler**
 City **Olathe** State **KS** ZIP **66062**

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4a Express Package Service Packages up to 150 lbs.
☒ FedEx Priority Overnight Next business morning
☐ FedEx Standard Overnight Next business afternoon
☐ FedEx First Overnight Earliest next business morning delivery to select locations

☐ FedEx 2Day Second business day
☐ FedEx Express Saver Third business day
 FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service Packages over 150 lbs.
☐ FedEx 1Day Freight* Next business day
☐ FedEx 2Day Freight Second business day
☐ FedEx 3Day Freight Third business day

* Call for Confirmation

5 Packaging Declared value limit \$500
☐ FedEx Envelope*
☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
☒ Other

6 Special Handling Include FedEx address in Section 3.
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?
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☐ Yes Shipper's Declaration not required
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☐ Recipient
☐ Third Party
☐ Credit Card
☐ Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages **1** Total Weight **1** Total Declared Value* \$ **00**

* Our liability is limited to \$100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.
 By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
 Rec. Date 1/14/04 • Part #157011 • ©1994-2001 FedEx • PRINTED IN U.S.A. WCSL 03

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FedEx
Tracking
Number

842135658773

Sender's Copy

1 From Please print and press hard.
Date 1/15/04 Sender's FedEx Account Number 237-4259-8
Sender's Name John Huismann Phone (516) 352-4133
Company Earth Tech, Inc.
Address 110 Cutter Mill Road
City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference
First 24 characters will appear on invoice. 5442001

3 To
Recipient's Name Sample Receiving Phone (401) 782-8900
Company Ceimic Corporation
Address 10 Dean Knapp Drive
City Narragansett State RI ZIP 02882

Try online shipping at fedex.com

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Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3339.

4a Express Package Service Packages up to 150 lbs.
☒ FedEx Priority Overnight Next business morning
☐ FedEx Standard Overnight Next business afternoon
☐ FedEx First Overnight Earliest next business morning delivery to select locations
☐ FedEx 2Day Second business day
☐ FedEx Express Saver Third business day
FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service Packages over 150 lbs.
☐ FedEx 1Day Freight* Next business day
☐ FedEx 2Day Freight Second business day
☐ FedEx 3Day Freight Third business day
* Call for Confirmation.

5 Packaging Declared value limit \$500
☐ FedEx Envelope*
☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
☒ Other

6 Special Handling Include FedEx address in Section 3.
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
Does this shipment contain dangerous goods?
No ☒ Yes ☐ As per attached Shipper's Declaration
Yes ☐ Shipper's Declaration not required
Dry Ice ☐ Dry Ice, 5 UN 1845 x _____ kg
Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
☒ Sender Acct. No. in Section 1 will be billed.
☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
FedEx Acct. No. _____ Exp. Date _____
Credit Card No. _____
Total Packages 1 Total Weight _____ Total Declared Value* \$ _____ .00
FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.
By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
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Tracking
Number

842135658762

Sender's Copy

1 From Please print and press hard.
Date 1/15/04 Sender's FedEx Account Number 237-4259-8
Sender's Name John Huismann Phone (516) 352-4133
Company Earth Tech, Inc.
Address 110 Cutter Mill Road
City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference
First 24 characters will appear on invoice. 5442001

3 To
Recipient's Name Sample Receiving Phone ()
Company USEPA Region II Laboratory
Address Building 209 MS-230
City Edison State NJ ZIP 08837

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Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3339.

4a Express Package Service Packages up to 150 lbs.
☒ FedEx Priority Overnight Next business morning
☐ FedEx Standard Overnight Next business afternoon
☐ FedEx First Overnight Earliest next business morning delivery to select locations
☐ FedEx 2Day Second business day
☐ FedEx Express Saver Third business day
FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service Packages over 150 lbs.
☐ FedEx 1Day Freight* Next business day
☐ FedEx 2Day Freight Second business day
☐ FedEx 3Day Freight Third business day
* Call for Confirmation.

5 Packaging Declared value limit \$500
☐ FedEx Envelope*
☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
☒ Other

6 Special Handling Include FedEx address in Section 3.
☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
Does this shipment contain dangerous goods?
No ☒ Yes ☐ As per attached Shipper's Declaration
Yes ☐ Shipper's Declaration not required
Dry Ice ☐ Dry Ice, 5 UN 1845 x _____ kg
Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
☒ Sender Acct. No. in Section 1 will be billed.
☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
FedEx Acct. No. _____ Exp. Date _____
Credit Card No. _____
Total Packages 1 Total Weight _____ Total Declared Value* \$ _____ .00
FedEx Use Only

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By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
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Express

FedEx Tracking Number

842135658730

Sender's Copy

1 From Please print and print hard.
 Date 1/16/04 Sender's FedEx Account Number 237-4259-8
 Sender's Name John Huisman Phone (516) 466-8637
 Company Earth Tech, Inc.
 Address 110 Cutter Mill Road
 City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference 5442001 REGIONAL

3 To
 Recipient's Name Sample Receiving Phone (401) 782-8900
 Company Ceimic Corporation
 Address 10 Dean Knauss Drive
 City Narragansett State RI ZIP 02882

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Questions? Visit our Web site at fedex.com or call 1.800.Go.FedEx® 800.463.3333.

4a Express Package Service

☒ FedEx Priority Overnight Next business morning ☐ FedEx Standard Overnight Next business afternoon ☐ FedEx First Overnight Earliest next business morning delivery to select locations

☐ FedEx 2Day Second business day ☐ FedEx Express Saver Third business day

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service

☐ FedEx 1Day Freight* Next business day ☐ FedEx 2Day Freight Second business day ☐ FedEx 3Day Freight Third business day

* Call for Confirmation.

5 Packaging

☐ FedEx Envelope* ☐ FedEx Pak* ☒ Other

* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Surety Pak.

6 Special Handling

☒ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes ☐ HOLD Weekday at FedEx Location Available ONLY for FedEx First Overnight ☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?
☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, I, UN 1845 ☐ Cargo Aircraft Only

7 Payment

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. Enter FedEx Acct. No. or Credit Card No. below. Exp. Date

Total Packages 1 Total Weight 1 Total Declared Value* \$ 00

*Our liability is limited to \$100 unless you declare a higher value. See back for details.

8 Release Signature

John Huisman
 By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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Express

FedEx Tracking Number

842135658707

Sender's Copy

1 From Please print and print hard.
 Date 1/19/04 Sender's FedEx Account Number 237-4259-8
 Sender's Name John Huisman Phone (516) 466-8637
 Company Earth Tech, Inc.
 Address 110 Cutter Mill Road
 City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference 5442001 REGIONAL

3 To
 Recipient's Name Sample Receiving Phone (732) 906-6886
 Company US EPA Region II Laboratory
 Address 2890 Woodbridge Ave. Building 209 MS-230
 City Edison State NY ZIP 08837

Try online shipping at fedex.com

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Questions? Visit our Web site at fedex.com or call 1.800.Go.FedEx® 800.463.3333.

4a Express Package Service

☒ FedEx Priority Overnight Next business morning ☐ FedEx Standard Overnight Next business afternoon ☐ FedEx First Overnight Earliest next business morning delivery to select locations

☐ FedEx 2Day Second business day ☐ FedEx Express Saver Third business day

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service

☐ FedEx 1Day Freight* Next business day ☐ FedEx 2Day Freight Second business day ☐ FedEx 3Day Freight Third business day

* Call for Confirmation.

5 Packaging

☐ FedEx Envelope* ☐ FedEx Pak* ☒ Other

* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Surety Pak.

6 Special Handling

☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes ☐ HOLD Weekday at FedEx Location Available ONLY for FedEx First Overnight ☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?
☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, I, UN 1845 ☐ Cargo Aircraft Only

7 Payment

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. Enter FedEx Acct. No. or Credit Card No. below. Exp. Date

Total Packages 1 Total Weight 1 Total Declared Value* \$ 00

*Our liability is limited to \$100 unless you declare a higher value. See back for details.

8 Release Signature

John Huisman
 By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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Appendix B

Laboratory Data Packages

RECORD OF COMMUNICATION

TO: SHEWEN BIAN

FROM: CONSTANTIN STANCA
Region 2, ESAT/RSCC

DATE: _____

SUBJECT: QUALITY ASSURED DATA

=====

MESSAGE:

PLEASE SIGN BELOW IN ACKNOWLEDGEMENT OF RECEIPT OF THE FOLLOWING
AND RETURN ONE COPY OF THIS RECORD OF COMMUNICATION TO THE RSCC - REGION II.

STANTON CLEANERS CARE # 32512

CHEMIC 39 WATER TCL-VOA

=====

REPLY BY: _____

SIGNATURE: _____ DATE: _____

=====

DATE RECEIVED BY RSCC: _____

RECORD OF COMMUNICATION

TO: SHEWEN BIAN

FROM: CONSTANTIN STANCA
Region 2, ESAT/RSCC

DATE: _____

SUBJECT: QUALITY ASSURED DATA

=====

MESSAGE:

PLEASE SIGN BELOW IN ACKNOWLEDGEMENT OF RECEIPT OF THE FOLLOWING
AND RETURN ONE COPY OF THIS RECORD OF COMMUNICATION TO THE RSCC - REGION II.

STANTON CLEANERS CARE # 32512

CHEIMIC 39 WATER TCL-VOA

=====

REPLY BY: _____

SIGNATURE: _____ DATE: _____

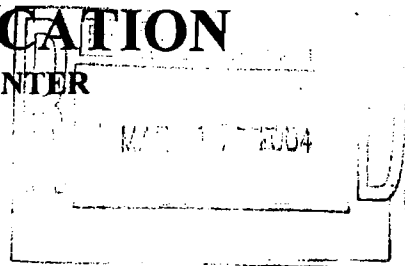
=====

DATE RECEIVED BY RSCC: _____

RECORD OF COMMUNICATION

REGIONAL SAMPLE CONTROL CENTER

DATE: 2/6/04
 SUBJECT: CLP Data Package for Quality Assurance Review
 FROM: Hazardous Waste Support Section
 TO: ESAT/RSCC



Attached is the following ORGANIC Data Package to be reviewed for Quality Assurance

SITE: Stanton Cleaners GW CASE #: 32512
 SAMPLER: USACE SDG#: B17T3, B17T8
 PROJ. CODE: FE SITE SPILL #: LH #SAMPLES: 39 MATRIX: Water
 LAB: CEIMIC
 TURN-AROUND-TIME: 21 day
 CERCLIS ID #: NYD047650197 FRACTION: TCL-VOA

Contaminant(s) of Concern (If known)

REGION II RSCC DATA TRANSFER LOG

Relinquished By		Received By	
Signature	Date/Time	Signature	Date/Time
<u>Adly Michael</u>	<u>3/4/04</u>	<u>C. Stance</u>	<u>3/10/04</u>
<u>C. Stance</u>	<u>3/10/04</u>	<u>C. Stance</u>	<u>3/10/04</u>
<u>B17T3</u>			
<u>C. Stance</u>	<u>3/15/04</u>		
<u>C. Stance B17T8</u>	<u>3/16/04</u>	<u>Andy Panayiot</u>	<u>3/16/04</u>
<u>Andy Panayiot</u>	<u>3/15/04</u>	<u>John P. Miller</u>	<u>3/15/04</u>
<u>John P. Miller</u>	<u>3/15/04</u>	<u>Robert L. Carr</u>	<u>3/15/04</u>
<u>Robert L. Carr</u>	<u>3/15/04</u>	<u>Haniif Sheikh</u>	<u>3/15/04</u>
<u>Haniif Sheikh</u>	<u>3/16/04</u>	<u>Robert L. Carr</u>	<u>3/16/04</u>
<u>Robert L. Carr</u>	<u>3/17/04</u>	<u>C. Stance</u>	<u>3/17/04</u>

Functional Guidelines for Evaluating Organic Analysis

CASE No.: 32512
LABORATORY: CEIMIC

SDG No.: B17T3
SITE: STANTON CLEANERS GW

DATA ASSESSMENT

The current SOP HW-6 (Revision 12) March 2001, USEPA Region II Data Validation SOP for Statement of Work OLMO4.3. for evaluating organic data have been applied.

All data are valid and acceptable except those Analytes rejected "R"(unusable). Due to the detection of QC problems, some analytes may have the "J" (estimated), "N"(presumptive evidence for the presence of the material, "U" (non-detect) or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer's

Signature: Charlene M. Alaimo

Date: March 12, 2004

Verified By:

Hanif Sheikh

Date: 03/16/2004

SDG#B17T3

1. HOLDING TIME:

No problems found for this qualification.

2. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

No problems found for this qualification.

3. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

No action is taken based on MS/MSD criteria.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the sample shown were qualified with "U" for these reasons:

A) Method blank contamination:

See Trip blank criteria

B) Field or rinse blank contamination:

The following volatile samples are associated with a contaminated field blank. The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to five times (5X) the associated field blank concentration. Hits are qualified "U" and non-detects are not flagged.

Tetrachloroethene
B17X9, B17Y1

The following volatile samples are associated with a contaminated field blank. The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to five times (5X) the associated field blank concentration. Reported sample concentrations have been elevated

to the CRQL.

Hits are qualified "U" and non-detects are not flagged.

Tetrachloroethene
B17X3

C) Trip blank contamination for VOA aqueous samples:

The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated trip blank concentration.

Hits are qualified "U" and non-detects are not flagged.

Methylene Chloride
B17T3, B17T5, B17T6, B17T7, B17W4, B17W5, B17W6, B17W7, B17W7MS,
B17W7MSD, B17W9, B17X0, B17X3, B17Z5

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated trip blank concentration. Reported sample concentrations have been elevated to the CRQL.

Hits are qualified "U" and non-detects are not flagged.

Methylene Chloride
B17T3DL, B17T4, B17W6DL, B17W8, B17X4, B17X9, B17Y1, B17Z5DL

D) Storage Blank associated with VOA samples only

See Trip blank criteria

E) Tics "R" rejected

The following samples had concentrations less than five times (5x) the results in the most contaminated associated blank.

Unknown RT(s)
B17T5, B17T7, B17W5, B17W6, B17W6DL, B17W7, B17X0, B17X3

The following TICs values been rejected.

Unknown Siloxane(s)
B17W5, B17W7, B17W9, B17X0, B17X3, B17Y4

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene and for semi-volatiles Decafluorotriphenyl-phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems found for this qualification.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected "R".

DC-9 The following volatile samples are associated with a continuing calibration relative response factor (RRF50) outside primary criteria.

Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane

B17T3DL, B17T4, B17W6DL, B17W8, B17X4, B17X9, B17Y1, B17Y2, B17Y4,
B17Z5DL, VBLKOB

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $< 30\%$ and %D must be $< 25\%$. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detects data may be qualified "R".

For the PEST/PCB fraction, if %RSD exceeds 20% for all analytes except for the two surrogates (which must not exceed 30% RSD), qualify all associated positive results "J" and non-detects "UJ".

The following analytes in the sample shown were qualified for %RSD and %D:

DC-8: The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria.

Hits are qualified "J" and non-detects are qualified "UJ".

Dichlorodifluoromethane, Chloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, Methylene Chloride, trans-1,2-Dichloroethane

B17T3, B17T6, B17T7, B17W4, B17W5, B17W6, B17W7, B17W9, B17X0, B17X3,
B17Y3, B17Z5, VBLKOA

Chloromethane, Vinyl Chloride

B17T3, B17T3DL, B17T4, B17T6, B17T7, B17W4, B17W5, B17W6,
B17W6DL, B17W7, B17W8, B17W9, B17X0, B17X3, B17X4, B17X9, B17Y1,
B17Y2, B17Y3, B17Y4, B17Z5, B17Z5DL, VBLKOA, VBLKOB

Acetone, 2-Hexanone

B17T3, B17T5, B17T6, B17T7, B17W4, B17W5, B17W6, B17W7, B17W7MS,
B17W7MSD, B17W9, B17X0, B17X3, B17Y3, B17Z5, VBLKOA, VBLKOC,
VHBLK01

2-Butanone

B17T3, B17T3DL, B17T4, B17T5, B17T6, B17T7, B17W4, B17W5, B17W6,
B17W6DL, B17W7, B17W7MS, B17W7MSD, B17W8, B17W9, B17X0, B17X3,
B17X4, B17X9, B17Y1, B17Y2, B17Y3, B17Y4, B17Z5, B17Z5DL, VBLKOA,
VBLKOB, VBLKOC, VHBLK01

8. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ± 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgement to determine either partial or total rejection of the data for that sample fraction.

No problems found for this qualification.

9. COMPOUND IDENTIFICATION:

A) Volatile and Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

No problems found for this qualification.

B) Pesticide Fraction:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract.

No problems found for this qualification.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

No problems found for this qualification.

11. FIELD DOCUMENTATION:

Sampling time and date were missing from the Organic Traffic Report and Chain of Custody Record for samples B17Y2 & B17Y3. This information was determined from the sampling trip report and manual entered by the Validator.

12. OTHER PROBLEMS:

No problems found for this qualification.

13. This package contains reextractions, reanalyses or dilutions. Upon reviewing the QA results, the following Form 1(s) are identified not to be used.

B17T3DL, B17W6DL, B17Z5DL

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FEB 04 2004

HAZ. WASTE SUPPORT SEC.

SDG Narrative

The enclosed data package is in response to USEPA, Region II, Case No.32512, and SDG No. B17T3, Contract No. 68-W-03-018. Under this SDG there are 22 VOA samples received at Ceimic Corporation on January 14 and 16, 2004.

<u>EPA ID:</u>	<u>CEMIC ID:</u>	<u>Analysis</u>
B17T3	040018-01	VOA
B17T4	040018-02	VOA
B17T5	040018-03	VOA
B17T6	040018-04	VOA
B17T7	040018-05	VOA
B17W4	040018-06	VOA
B17W6	040018-07	VOA
B17Y2	040018-08	VOA
B17Y3	040018-09	VOA
B17Z5	040018-10	VOA
B17W8	040018-11	VOA
B17W5	040018-12	VOA
B17W7	040018-13	VOA
B17W7MS	040018-13MS	VOA
B17W7MSD	040018-13MSD	VOA
B17W9	040018-14	VOA
B17X0	040018-15	VOA
B17X3	040018-16	VOA
B17X4	040018-17	VOA
B17X9	040018-18	VOA
B17Y1	040018-19	VOA
B17Y4	040018-20	VOA

(1) Sample Receipt

Cooler Temperatures upon receipt were 2°C and 4°C.

(2) Instrumentation and Column Identification

The following instruments were used for the analyses:

GC/ECD Analysis**A. VOA**

MS15 HP5972 GC/MS, 30m, 0.25mm ID, 1.4 um, DB-624 capillary column.
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

(3) **Sample Information**

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letters "M" for GC/MS and "FF" for GC are used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. **VOA Fraction (Method CLP SOW OLM04.3)**

The pHs of the water samples were:

<u>Client ID:</u>	<u>Ceimic ID:</u>	<u>pH:</u>
B17T3	040018-01	1
B17T4	040018-02	1
B17T5	040018-03	1
B17T6	040018-04	1
B17T7	040018-05	1
B17W4	040018-06	1
B17W6	040018-07	1
B17Y2	040018-08	1
B17Y3	040018-09	1
B17Z5	040018-10	1
B17W8	040018-11	1
B17W5	040018-12	1
B17W7	040018-13	1
B17W9	040018-14	1
B17X0	040018-15	1
B17X3	040018-16	1
B17X4	040018-17	1
B17X9	040018-18	1
B17Y1	040018-19	1
B17Y4	040018-20	1

The following samples were reanalyzed at a dilution:

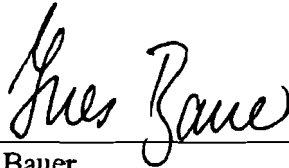
<u>Client ID:</u>	<u>Ceimic ID:</u>	<u>Dilution:</u>
B17T3	040018-01	10:1
B17W6	040018-07	5:1
B17Z5	040018-10	2:1

Deviations from the SOW

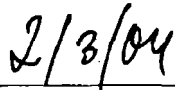
None other than specified above.

End of SDG Narrative

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

A handwritten signature in cursive script, appearing to read "Ines Bauer", written over a horizontal line.

Ines Bauer
Laboratory Manager

A handwritten date "2/3/04" written over a horizontal line.

Date

ALKANE NARRATIVE REPORT
Report date : 01/29/2004
SDG: B17T3

Client Sample ID: B17W6	Lab Sample ID: 040018-07	File ID: OE129
Compound	RT Est. Conc.	Q
-----	-----	-----
Straight-Chain Alkane	2.28 270	J
Cyclic Alkane	3.52 50	J
Cyclic Alkane	3.70 31	J
Cyclic Alkane	3.79 62	J
Cyclic Alkane	4.74 38	J
Branched Alkane	5.33 38	J

Client Sample ID: B17Z5	Lab Sample ID: 040018-10	File ID: OE132
Compound	RT Est. Conc.	Q
-----	-----	-----
Cyclic Alkane	3.79 34	J
Branched Alkane	5.33 30	J
Straight-Chain Alkane	5.81 700	J

Client Sample ID: B17W6DL	Lab Sample ID: 040018-07DL	File ID: OE147
Compound	RT Est. Conc.	Q
-----	-----	-----
Straight-Chain Alkane	2.26 220	JD
Branched Alkane	2.91 170	JD
Straight-Chain Alkane	5.79 460	JD

Client Sample ID: B17Z5DL	Lab Sample ID: 040018-10DL	File ID: OE148
Compound	RT Est. Conc.	Q
-----	-----	-----
Branched Alkane	2.91 120	JD

2. TRAFFIC REPORTS

**SAMPLE DELIVERY GROUP (SDG)
TRAFFIC REPORT (TR) COVERSHEET**

RECEIVED

FEB 04 2004

HAZ. WASTE SUPPORT SEC.

Lab Name: Ceimic Corporation

Lab Code: CEIMIC

Case No.: 32512

Bid Lot: G

Contract No: 68-W-03-018

Full Sample Analysis Price: _____

First Sample in SDG: B17T3

Sample Receipt Date: 1/14/2004

*(Lowest EPA Sample Number in the first
shipment of samples received under SDG.)*

Last Sample in SDG: B17Y4

Sample Receipt Date: 1/16/2004

*(Highest EPA Sample Number in the last
shipment of samples received under SDG.)*

EPA Sample Numbers in the SDG (listed in alphanumeric order by date received)

- | | |
|-----------|-----------|
| 1. B17T3 | 11. B17Z5 |
| 2. B17T4 | 12. B17W5 |
| 3. B17T5 | 13. B17W7 |
| 4. B17T6 | 14. B17W9 |
| 5. B17T7 | 15. B17X0 |
| 6. B17W4 | 16. B17X3 |
| 7. B17W6 | 17. B17X4 |
| 8. B17W8 | 18. B17X9 |
| 9. B17Y2 | 19. B17Y1 |
| 10. B17Y3 | 20. B17Y4 |

Note: There are a maximum of 20 field samples in an SDG.

Attach Traffic Reports to this form in alphanumeric order by date received.
(i.e. The order listed on this form)

Jessica Robinson
Signature

1/26/04
Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-01

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE123

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	23	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	8	J	
78-93-3	2-Butanone	10	U	
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-01

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE123

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	9	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	1200* 880	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

* Transferred from
B17T3D

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17T3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-01

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE123

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-02

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE149

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-02

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE149

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10 2	2 U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	2 U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17T4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-02

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE149

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
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4.				
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-03

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE168

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	13	U V
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-03

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE168

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17T5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-03

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE168

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN	20.41	26	RR
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-04

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE126

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	22	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	U	
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32512 SAS No.: SDG No.: B17T3

Matrix: (soil/water) WATER Lab Sample ID: 040018-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OE126

Level: (low/med) LOW Date Received: 01/14/04

% Moisture: not dec. Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17T6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-04

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE126

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-05

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE127

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	21	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	U	
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-05

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE127

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17T7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-05

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE127

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	20.45	16	JE R
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-06

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE128

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	22	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	U	
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-06

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE128

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17W4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-06

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE128

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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9.				
10.				
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28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32512 SAS No.: SDG No.: B17T3

Matrix: (soil/water) WATER Lab Sample ID: 040018-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OE134

Level: (low/med) LOW Date Received: 01/16/04

% Moisture: not dec. Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND			
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	22	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	U	
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-12

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE134

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17W5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-12

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE134

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.64	12	1 2
2.	UNKNOWN	20.44	9	1 2
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-07

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE129

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	23	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	U	
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	9	J	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	360 *	450	
107-06-2	1,2-Dichloroethane	10	U	

* Transferred from
B17W6 DL

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-07

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE129

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	3	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	56	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	110	
1330-20-7	Xylene (Total)	400	
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	4	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17W6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-07

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE129

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	STRAIGHT-CHAIN ALKENE	2.47	30	J
2.	BRANCHED ALKENE	2.93	220	J
3. 1708-29-8	FURAN, 2,5-DIHYDRO-	3.31	92	NJ
4.	STRAIGHT-CHAIN ALKENE	4.93	83	J
5.	BRANCHED ALKENE	5.81	610	J
6.	BRANCHED ALKENE	6.85	58	J
7.	C3-BENZENE ISOMER	17.61	20	J
8. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	17.76	66	NJ
9. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	17.90	21	NJ
10. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	18.22	25	NJ
11. 95-36-3	1,2,4-TRIMETHYLBENZENE	18.50	91	NJ
12. 95-36-3	1,2,4-TRIMETHYLBENZENE	19.15	23	NJ
13. 496-11-7	INDANE	19.46	30	NJ
14.	UNKNOWN	20.45	11	J R
15.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-13

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE135

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	20	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	U	
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-13

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE135

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17W7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-13

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE135

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.64	24	JP A
2.	UNKNOWN	20.44	20	JP A
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-11

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE151

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-11

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE151

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	PR
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17W8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-11

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE151

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32512 SAS No.: SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-14

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE136

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND			
75-71-8	Dichlorodifluoromethane	10	U	J
74-87-3	Chloromethane	10	U	J
75-01-4	Vinyl Chloride	10	U	J
74-83-9	Bromomethane	10	U	J
75-00-3	Chloroethane	10	U	J
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	J
67-64-1	Acetone	10	U	J
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	18	U	J
156-60-5	trans-1,2-Dichloroethene	10	U	J
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	U	J
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-14

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE136

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17W9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-14

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE136

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.64	15	<input checked="" type="checkbox"/>
2.				
3.				
4.				
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-15

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE137

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	16	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	U	
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-15

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE137

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17X0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-15

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE137

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.63	33	✓
2.	UNKNOWN AMIDE	20.44	16	✓
3.				
4.				
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-16

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE138

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	23	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	U	
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-16

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE138

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.

COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17X3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-16

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE138

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.63	13	JP
2.	UNKNOWN	20.44	11	JP
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-17

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE152

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-17

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE152

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	NR
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17X4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-17

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE152

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-18

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE153

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-18

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE153

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	24	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17X9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-18

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE153

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Y1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-19

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE154

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Y1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-19

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE154

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	2	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17Y1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-19

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE154

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. **FB**

B17Y2

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

1/13

Matrix: (soil/water) WATER

Lab Sample ID: 040018-08

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE150

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	8	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	4	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Y2 FB

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-08

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE150

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.

COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	7	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17Y2 FB

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

1/13

Matrix: (soil/water) WATER

Lab Sample ID: 040018-08

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE150

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AMINE	20.43	16	J
2.				
3.				
4.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Y3

TC

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-09

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE131

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	24	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Y3 70

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-09

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE131

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17Y3 **TC**

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-09

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE131

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	20.44	10	<input checked="" type="checkbox"/>
2.				
3.				
4.				
5.				
6.				
7.				
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28.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

B17Y4 **FB**

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-20

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE155

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	7	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	4	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

B17Y4 **FB**

Lab Code: CEIMIC Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-20

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE155

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	8	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17Y4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-20

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE155

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.62	12	J
2.	UNKNOWN	20.42	17	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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19.				
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21.				
22.				
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26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Z5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-10

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE132

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene Chloride	22	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
1634-04-4	Methyl tert-Butyl Ether	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
78-93-3	2-Butanone	10	U	
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	6	J	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	260	270	
107-06-2	1,2-Dichloroethane	10	U	

*Transferred from
B1725DL

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Z5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-10

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE132

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	2	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	31	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	67	
1330-20-7	Xylene (Total)	240	
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17Z5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T3

Matrix: (soil/water) WATER

Lab Sample ID: 040018-10

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE132

Level: (low/med) LOW

Date Received: 01/14/04

% Moisture: not dec. _____

Date Analyzed: 01/19/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	BRANCHED ALKENE	2.93	130	J
2.	UNKNOWN	3.30	52	J
3.	UNKNOWN	4.92	55	J
4. 763-29-1	1-PENTENE, 2-METHYL-	6.85	38	NJ
5.	C3-BENZENE ISOMER	17.61	11	J
6. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	17.76	37	NJ
7. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	17.90	11	NJ
8. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	18.22	14	NJ
9. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	18.50	52	NJ
10. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	19.15	13	NJ
11. 496-11-7	INDANE	19.45	18	NJ
12.				
13.				
14.				
15.				
16.				
17.				
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YES NO N/A

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 32512 LABORATORY: CEIMIC
SITE NAME: Stanton Cleaners GW SDG Number(s): B17T3

1.0 Chain of Custody and Sampling Trip Reports

- 1.1 Are the Traffic Reports/Chain-of-Custody Records present for all samples? 1 1 1

ACTION: If no, contact RSCC, or contact the TOPO to obtain replacement of missing or illegible copies from the lab.

- 1.2 Is the Sampling Trip Report present for all samples and all fractions? 1 1 1

ACTION: If no, contact either RSCC or ask the TOPO to obtain this information from the prime contractor.

2.0 Data Completeness and Deliverables

- 2.1 Have any missing deliverables been received and added to the data package? 1 1 1

NOTE: The lab is required to submit data for only two analyses, for each fraction. (i.e., the original sample and one dilution, or the most concentrated dilution analyzed and one further dilution.)

ACTION: Contact the TOPO to obtain an explanation or resubmittal of any missing deliverables from the lab. If lab cannot provide them, note the effect on the review of the package in the Contract Problems/Non-compliance section of the Data Assessment.

- 2.2 Was CLASS CCS checklist included with package? 1 1 1

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YES NO N/A

- 2.3 Are there any discrepancies between the Traffic Reports/Chain-of-Custody Records, Sampling Report and Sample Tags? 11 /

ACTION: If yes, contact the TOPO to obtain an explanation or resubmittal of any missing deliverables from the laboratory.

3.0 Cover Letter SDG Narrative

- 3.1 Is the Narrative or Cover Letter Present? 11 /
- 3.2 Are case number, SDG number and contract number contained in the SDG Narrative or cover letter (see SOW, Exhibit B, section 2.6.1)?
EPA sample numbers in the SDG, detailed documentation of any quality control, sample, shipment, and/or analytical problems encountered in processing the samples? Corrective action taken? 11 /
- 3.3 Does the narrative contain the following information:
- VOA: description of trap and columns used for sample analyses? 11 /
- VOA: a NOTE stating whether Volatile low level soil samples prepared according to the modified SW-846 Method 5035? (p. B-9/VOA, sec 2.6.1) 11 /
- VOA: any discrepancies between low level soil weights determined in the field and in the Laboratory? (p. B-10/VOA, sec. 2.6.1) 11 /
- BNA: description of columns used for sample analyses? 11 /
- Pest: description of columns used for sample analyses? 11 /

NOTE: As per section 6.23.3.1 SOW/p. D-11/Pest,

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YES NO N/A

Packed columns are not permitted.

3.4 Does the narrative, VOA and BNA sections, contain a list of all TIC's identified as alkanes and their estimated concentrations?

☒ ☐ ☐

3.5 Is the temperature indicator bottle present in the cooler? If not, did the Laboratory document in the SDG Narrative the alternative technique used to determine the cooler temperature? (Exhibit A/ p. A-5 sec. 4.2.1.2.3.3)

☒ ☐ ☐

3.6 Does the narrative contain a record of all cooler temperatures? If the temperature of a cooler was exceeded, > 10° C, the lab must list by fraction and sample number, all affected samples.

☒ ☐ ☐

3.7 Does the Narrative contain a list of sample reanalyses submitted? Did the Lab distinguish whether the reanalysis is billable, and if so why?

☒ ☐ ☐

3.8 Does the narrative contain a list of the pH values determined for each water sample submitted for volatile analysis (SOW Exhibit B, section 2.6.1.2)?

☒ ☐ ☐

3.9 Does the Case Narrative contain the statement, "verbatim", as required in Section B of the SOW?

☒ ☐ ☐

ACTION: If "No", to any question in this section, contact the TOPO to obtain all necessary resubmittals. If information is not available, document in the Data Assessment under Contract Problems/Non-Compliance section.

4.0 Data Validation Checklist

4.1 Check the package for the following discrepancies:

a. Is the package paginated in ascending order starting from the SDG narrative?

☒ ☐ ☐

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	YES	NO	N/A
b. Are all forms and copies legible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Is each fraction assembled in the order set forth in the SOW?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>The following checklist is divided into three parts. Part A is for any VOA analyses, Part B is for BNA's and Part C is Pesticide/PCB's.</p>			
Does this package contain:			
VOA Data?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BNA Data?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pesticide/PCB data?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION: Complete corresponding parts of checklist.

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YES NO N/A

PART A: VOA ANALYSES

1.0 Sample Conditions/Problems

- 1.1 Do the Traffic Reports/Chain-of-Custody Records, Sampling Report or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data? 11

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50% - 90% water, all data shall be flagged as estimated (J). If a soil sample other than TCLP contains more than 90% water, then qualify positive results "J", and non-detects "R".

ACTION: If samples were not iced or the ice was melted upon arrival at the laboratory and the cooler temperature was elevated ($> 10^{\circ}\text{C}$), then flag all positive results with a "J" and all non-detects "UJ".

ACTION: If both VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: The smallest soil size permitted is 0.5g. If any soil sample is smaller than 0.5g, document in the Data Assessment under Contract Problems/Non-Compliance.

2.0 Holding Times

- 2.1 Have any VOA technical holding times, determined from date of collection to date of analysis, been exceeded? 11

Technical Holding Times for AQUEOUS AND SOIL NON-ENCORE SAMPLES: If unpreserved, aqueous samples, maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days of collection. If

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YES NO N/A

preserved with HCl (pH < 2) and stored at 4° C, then aqueous samples must be analyzed within 14 days of collection. If uncertain about preservation, contact sampler to determine whether or not samples were preserved. The holding time for non-Encore soils is 10 days from date of collection.

ACTION: If technical holding times for aqueous samples and soil non-Encore samples are exceeded, flag all positive results as estimated "J" and sample quantitation limits as estimated "UJ", and document in the Data Assessment that holding times were exceeded. If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re-analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results must be qualified "J", but the reviewer may determine that non-detect data are unusable "R". If holding times are exceeded by more than 28 days, all non detect data are unusable "R".

NOTE: Contractual Holding Times: Analysis of water and Non-Encore soil samples must be completed within 10 days of Validated Time of Sample Receipt (VTSR). This requirement does not apply to Performance Evaluation (PE) samples.

Technical Holding Times for soils Encore samples:

- i) If sample was preserved \leq 2 days of VTSR:
 - 1. and analyzed \leq 14 days from DoC, NO action needed.
 - 2. and analyzed > 14 days from DoC, qualify positive results "J" and non-detects "UJ".
 - 3. and analyzed > 28 days from DoC, qualify positive results "J" and non-detects "R".
- ii) If sample was NOT preserved, or preserved > 2 days of VTSR
 - 1. and analyzed \leq 7 days from DoC, No action needed.

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YES NO N/A

2. and analyzed > 7 days from DoC, qualify AROMATIC analytes only, both positive and non-detects, as estimated "J".
3. and analyzed > 10 days from DoC, qualify ALL positive analytes "J" and ALL non-detects as "UJ".
4. and analyzed \geq 20 days from DoC, qualify positive results "J" and non-detects "R".

Note: CONTRACT holding times for soil Encore samples are:

1. Samples must be preserved within two (2) days of VTSR and must be analyzed within ten (10) days of VTSR.
2. Samples NOT preserved within two (2) days of VTSR must be analyzed within two (2) days of VTSR.

ACTION: If contractual holding times are exceeded, document in the Data Assessment.

NOTE: The data reviewer must note in the Data Assessment whether or not technical and contractual holding times were met.

Table of Holding Time Violations

(See Chain-of-Custody Records)

Sample ID	Sample Matrix	Was Sample Preserved?	Date Sampled	Date Lab Received	Date Analyzed
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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YES NO N/A

3.0 System Monitoring Compound (SMC) Recovery (Form II)

3.1 Are the VOA SMC Recovery Summaries (Form II) present for each of the following matrices:

a. Low Water?

☒ ☐ ☐

b. Low Soil?

☒ ☐ ☒

c. Med Soil?

☒ ☐ ☒

3.2 Are all the VOA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:

a. Low Water?

☒ ☐ ☐

b. Low Soil?

☒ ☐ ☒

c. Med Soil?

☒ ☐ ☐

ACTION: Contact the TOPO to obtain an explanation or resubmittal of any missing deliverables from the laboratory. If missing deliverables are unavailable, document the effect in the Data Assessment.

3.3 Were outliers marked correctly with an asterisk?

☒ ☐ ☐

ACTION: Circle all outliers with red pencil.

3.4 Was one or more VOA system monitoring compound recovery outside of contract specifications for any sample or method blank?

☐ ☒ ☒

If yes, were samples re-analyzed?

☒ ☐ ☒

Were method blanks re-analyzed?

☒ ☐ ☐

ACTION: If recoveries are $\geq 10\%$, but 1 or more compounds fail to meet SOW specifications:

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YES NO N/A

1. All positive results are qualified as estimated "J".
2. Flag all non-detects as estimated detection limits "UJ" where recovery is less than the lower acceptance limit.
3. If SMC recoveries are above allowable levels, qualify positive results "J" and do not qualify non-detects.

ACTION: If any system monitoring compound recovery is < 10%:

1. Flag all positive results as estimated "J".
2. Flag all non-detects as unusable "R".

Professional judgement should be used to qualify data that only have method blank SMC recoveries out of specification in both original and re-analyses. Check the internal standard areas.

NOTE: Contractual requirements state that if any SMC fails the acceptance criteria, the sample must be re-analyzed. If the affected sample was not re-analyzed, document in the Data Assessment under Contract Problems/Non-Compliance.

NOTE: The laboratory must submit the following data:

1. If SMC recoveries and internal standard responses meet the acceptance criteria in the re-analyzed sample, then the laboratory must submit only the re-analysis.
2. If an SMC recovery and/or internal standard response fails to meet the acceptance criteria upon re-analysis, then submit data from both analyses.

(Refer to section 11.4.3.2, page D-45/VOA of the

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YES NO N/A

SOW for more information.)

- 3.5 Are there any transcription/calculation errors between raw data and Form II? *AS PER CADRE AND CCS*

1 1 1

ACTION: If large errors exist, contact the TOPO to obtain an explanation or resubmittal of corrected deliverables from the laboratory. Make any necessary corrections and note the effect in the Data Assessment.

4.0 Matrix Spikes (Form III)

- 4.1 Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?
- 4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:
- a. Low Water?
- b. Low Soil?
- c. Med Soil?

1 1 1

1 1 1

1 1 1

ACTION: If any matrix spike data are missing, take the action specified in section 3.2 above.

ACTION: No action is taken based upon MS/MSD data alone. However, using informed professional judgement, the MS/MSD results may be used in conjunction with other QC criteria to determine the need for qualification of the data.

ACTION: Circle all outliers with red pencil.

5.0 Blanks (Form IV)

- 5.1 Is the Method Blank Summary (Form IV) present?
- 5.2 Frequency of Analysis: for the analysis of VOA TCL compounds, has a reagent/method blank been analyzed during every 12-hour time period on each

1 1 1

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		YES	NO	N/A
	GC/MS system, before any samples, and for each matrix? (water, low soil or medium soil)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.3	Has a VOA method blank been analyzed at least once every twelve hours for each matrix/concentration and GC/MS system used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.4	Was a VOA instrument blank analyzed after each sample/dilution which contained a target compound that exceeded the initial calibration range?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.5	Was a VOA storage blank analyzed at the end of all samples for each SDG in a case?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ACTION: If any method/instrument blank data are missing, contact the TOPO to obtain any missing deliverables from the laboratory. If method blank data are not available, reject "R" all associated positive data. However, using professional judgement, the data reviewer may substitute field blank or trip blank data for missing method blank data.

If the instrument blank was not analyzed after a sample with high concentration of reported values, inspect the chromatogram of the sample analyzed immediately after this analysis for possible carryover. Use professional judgement to determine if any contamination occurred and qualify analyte(s) accordingly.

If storage blank data is missing, contact the TOPO to obtain any missing deliverables from the laboratory. If unavailable, note in the Contract Problems/Non-Compliance section of the Data Assessment.

Note: A storage blank shall be analyzed and reported as a water sample unless the SDG contains only soil samples. Then, the storage blank may be analyzed and reported as a soil sample. (p. D-49/VOA sec. 12.1.3.5)

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YES NO N/A

- 5.6 The validator should verify that the correct identification scheme for the EPA Blank samples were used. See page B-30, section 3.3.7.3 of the SOW for further information.

Was the correct identification scheme used for all VOA blanks?

☒ ☐ ☐

ACTION: Contact the TOPO to obtain missing deliverables from the lab, or make the required corrections on the forms. Document in the Data Assessment under Contract Problems/Non-compliance if corrections were made by the validator.

- 5.7 Chromatography: review the blank raw data-chromatograms (RICs), quant. reports or data system printouts and spectra. Is the chromatographic performance (baseline stability) for each instrument acceptable for VOA's?

☒ ☐ ☐

ACTION: Use professional judgement to determine the effect on the data.

- 5.8 Are all detected hits for target compounds in method, instrument and storage blanks less than the CRQL for that analyte?

☒ ☐ ☐

Exception: Acetone and 2-butanone must be less than 5 times the CRQL, and methylene chloride and Cyclohexane must be less than 2.5 times its CRQL. (p. D-50/VOA sec. 12.1.4.6)

ACTION: If no, an explanation and laboratory's corrective actions must be addressed in the case narrative. If the narrative contains no explanation, then make a note in the Contract Problems/Non-Compliance section of the Data Assessment.

6.0 Contamination

NOTE: "Water blanks", "drill blanks", and "distilled water blanks" are validated like any other sample, and are not used to qualify data. Do not

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YES NO N/A

confuse them with the other QC blanks discussed below.

- 6.1 Do any method/instrument/reagent/storage blanks have positive results (TCL and/or TIC) for VOA's? ☒ ☐ ☐

NOTE: When applied as directed in the table below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for %moisture when necessary.

NOTE: A contaminated instrument blank is not allowable under this SOW. The instrument blank must meet the technical acceptance criteria for blank analyses(sec. 12.1.4). See page D-48/VOA, section 12.1.2.4 for additional information. Document in the Data Assessment under Contract Problems/Non-Compliance if contaminated instrument blank was submitted.

- 6.2 Do any field/trip/rinse blanks have positive VOA results (TCL and/or TIC)? ☒ ☐ ☐

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated with a particular group of samples (may exceed one per case) must be used to qualify data. Trip blanks are used to qualify only those samples with which they were shipped and are not required for non-aqueous matrices. Blanks may not be qualified because of contamination in another blank. Field Blanks & Trip Blanks must be qualified for system monitoring compound, instrument performance criteria, spectral or calibration, and Internal standard QC problems.

ACTION: Follow the directions in the table below to qualify TCL results due to contamination. Use the largest value from all the associated blanks. If any blanks are grossly contaminated, all associated data should be

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YES NO N/A

qualified as unusable "R".

NOTE: Analytes qualified "U" for blank contamination are till considered as "hits" when qualifying for calibration criteria.

ACTION: For TIC compounds, if the concentration in the sample is less than five times the concentration in the most contaminated associated blank, flag the sample data "R".

For:	Flag sample result with a "U" when:	Report CRQL & qualify "U" when:	No qualification is needed when:
<u>TCL COMPOUNDS</u>			
Methylene Chloride	Sample conc. is > CRQL, but $\leq 10\times$ blank value.	Sample conc. is < CRQL and $\leq 10\times$ blank value.	Sample conc. is > CRQL and $> 10\times$ blank value.
Acetone			
Toluene			
2-Butanone			
<u>Cyclohexane</u>			

Other	Sample conc. is > CRQL, but $\leq 5\times$ blank value.	Sample conc. is < CRQL and $\leq 5\times$ blank value.	Sample conc. is > CRQL and $> 5\times$ blank value.
Conta- minants			

6.3 Are there field/rinse/equipment blanks associated with every sample? 1/1

ACTION: For low level samples, note in the Data Assessment that there is no associated field/rinse/equipment blank. For samples with high concentrations of suspected blank contaminants, use professional judgement to qualify these values and make a note in the Data Assessment.

Exception: samples taken from a drinking water tap do not have associated field blanks.

7.0 GC/MS Instrument Performance Check (Form V)

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YES NO N/A

7.1 Are the GC/MS Instrument Performance Check Forms (Form V) present for Bromofluorobenzene (BFB)?

☒ ☐ ☐

7.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?

☒ ☐ ☐

7.3 Is the mass spectrum of BFB acquired according to sec. 9.2.4.1 D-23/VOA?

☒ ☐ ☐

Note: Sec. 9.2.4.1 states that "the mass spectrum of BFB MUST be acquired in the following manner. Three scans (the peak apex scan and the scans immediately preceding and following the apex) are acquired and averaged. Background subtraction is required, and MUST be accomplished using a single scan no more than 20 scans prior to the elution of BFB. DO NOT background subtract part of the BFB peak." See Attachment 2 for BFB criteria.

Action: If not, reject "R" all samples associated with that particular BFB.

7.4 Has an instrument performance check been analyzed for every analytical sequence on each instrument?

☒ ☐ ☐

ACTION: List date, time, instrument ID, and sample numbers for which associated GC/MS tuning data are unavailable.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS
------	------	------------	----------------

_____	_____	_____	_____
_____	_____	_____	_____

ACTION: Notify the TOPO to obtain missing data, if possible. If the lab cannot provide the missing data, reject, "R", all data generated outside an acceptable twelve hour calibration interval.

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YES NO N/A

- 7.5 Have the ion abundances been normalized to m/z 95 as specified in Exhibit D, page D-56/VOA?
AS PER CADRE AND CCS

☒ ☐ ☐

NOTE: All ion abundance ratios must be normalized to m/z 95, the nominal base peak, even though the ion abundance of m/z 174 may be up to 120% that of m/z 95.

ACTION: If mass assignment is in error, qualify all associated data as unusable "R".

- 7.6 Have the ion abundance criteria been met for each instrument used? *AS PER CADRE AND CCS*

☒ ☐ ☐

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, the Region II TPO must be notified.

- 7.7 Are there any transcription/calculation errors between mass lists and Form Vs? (Check at least two values, but if errors are found check more.)
AS PER CADRE AND CCS

☐ ☒ ☐

- 7.8 Is the number of significant figures for the reported relative abundances consistent with the number given for each ion in the ion abundance criteria column?

☒ ☐ ☐

ACTION: If large errors exist, take action as specified in section 3.5 above.

- 7.9 Are the spectra of the mass calibration compound acceptable?

☒ ☐ ☐

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

8.0 Target Compound List (TCL) Analytes (FORM I VOA)

- 8.1 Are the Organic Analysis Data Sheets (Form I VOA) present with required header information on each page, for each of the following:

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	YES	NO	N/A
a. Samples and/or fractions as appropriate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Matrix spikes and matrix spike duplicates?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Blanks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.2 Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (quant. reports) included in the sample package for each of the following:			
a. Samples and/or fractions as appropriate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Matrix spikes and matrix spike duplicates (mass spectra not required)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Blanks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACTION: If any data are missing, take action specified in 3.2 above.			
8.3 Is chromatographic performance acceptable with respect to:			
a. Baseline stability?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Resolution?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Peak shape?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Full-scale graph (attenuation)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Other: _____?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ACTION: Use professional judgement to determine the acceptability of the data.			
8.4 Are the lab-generated standard mass spectra of the identified VOA compounds present for each sample? <i>AS PER CADRE AND CLS</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ACTION: If any mass spectra are missing, take action as specified in 3.2 above. If the lab does not			

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YES NO N/A

generate its own standard spectra, document in the Contract Problems/Non-compliance section of the Data Assessment.

- 8.5 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration? *AS PER CADRE AND CCS* ☒ ☐ ☐
- 8.6 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum? *AS PER CADRE AND CCS.* ☒ ☐ ☐
- 8.7 Do sample and standard relative ion intensities agree within $\pm 20\%$? *AS PER CADRE AND CCS.* ☒ ☐ ☐

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected "R", flagged "N" (presumptive evidence of the presence of the compound) or changed to not detected "U" at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 8.5, 8.6, and 8.7.

ACTION: When sample carry-over is suspected, use professional judgement determine if instrument cross-contamination has affected positive compound identifications.

9.0 Tentatively Identified Compounds (TIC)

- 9.1 Are all Tentatively Identified Compound Forms (Form I Part B) present; and do listed TIC's include scan number or retention time, estimated concentration and "JN" qualifier? ☒ ☐ ☐
- 9.2 Are the mass spectra for the TIC's and associated "best match" spectra included in the sample package for each of the following:
AS PER CADRE AND CCS
- a. Samples and/or fractions as appropriate? ☒ ☐ ☐
- b. Blanks? ☒ ☐ ☐

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YES NO N/A

- c. Are Alkanes listed in/or part of the Case Narrative?

☒ ☐ ☐

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier to all chemically named TIC's, if missing.

- 9.3 Are any TCL compounds (from any fraction including all PCB congeners) listed as TIC compounds? (Example: 1,2- dimethylbenzene is xylene, a VOA TCL analyte, and should not be reported as a TIC.)

☐ ☒ ☐

ACTION: Flag with "R" any TCL compound listed as a TIC.

- 9.4 Are any TIC's reported earlier than 30 sec before the first purgeable compound, or three (3) min. after the last purgeable compound listed in Exhibit C (Volatiles)? *AS PER CADRE AND CCL*

☐ ☒ ☐

ACTION: Flag with "R" any TIC compound reported.
(p. D38-VOA, sec. 11.1.2.2)

- 9.5 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?
AS PER CADRE AND CCL

☒ ☐ ☐

- 9.6 Do TIC and "best match" standard relative ion intensities agree within $\pm 20\%$?
AS PER CADRE AND CCL

☒ ☐ ☐

ACTION: Use professional judgement to determine the acceptability of TIC identifications. If it is determined an incorrect identification was made, change the identification to "unknown," or to some less specific identification as appropriate. (Example: "C3 substituted benzene.")

Also, when a compound is not found in any blank, but is detected in a sample and is a suspected artifact of a common laboratory contaminant, the result should be qualified as

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unusable "R". (E.g., Common Lab Contaminants: CO₂ (M/E 44), Siloxanes (M/E 73) hexane, aldol condensation products, solvent preservatives, and related by-products.

- 9.7 Are TIC's with responses < 10% of the internal standard (as determined by inspection of the peak areas or height) reported? *AS PER CADRE AND CCS* 1

ACTION: If yes, cross out questionable TIC's.

10.0 Compound Quantitation and Reported Detection Limits

- 10.1 Are there any transcription/calculation errors in Form I results? (Check at least two positive values. Verify that the correct internal standards, quantitation ions, and RRF were used to calculate Form I results.) *AS PER CADRE AND CCS* 1

- 10.2 Are the CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture? *AS PER CADRE AND CCS* 1

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest CRQL's are used (unless a QC exceedance dictates the use of the higher CRQL data from the diluted sample). Replace concentrations that exceeded the calibration range in the original analysis by crossing out the "E" and its corresponding value on the original Form I and substituting the data from the diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form Is not to be used, including any in the data summary package.

11.0 Standards Data (GC/MS)

- 11.1 Are the Reconstructed Ion Chromatograms, and data system printouts (quant. reports) present for each initial and continuing calibration? 1

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YES NO N/A

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

12.0 GC/MS Initial Calibration (Form VI)

12.1 Are the Initial Calibration Forms (Form VI) present and complete at concentrations of 10, 20, 50, 100, 200ng for separate calibrations of low water/med soils (unheated purge) and low soils (heated purge)?

☒ ☐ ☐

ACTION: If any calibration standard forms are missing, take action specified in 3.2 above.

12.2 Were all low level soil standards, blanks and samples analyzed by heated purge?

☐ ☐ ☒

ACTION: If low level soil samples were not heated during purge, qualify positive hits "J" (estimated) and non-detects "R".

12.3 Are the % relative standard deviation (%RSD) values for VOA's $\leq 30\%$ over the concentration range of the calibration?

☒ ☐ ☐

NOTE: Although 23 VOA compounds have a contractual minimum RRF and no maximum %RSD, the technical acceptance criteria are the same for all analytes.

ACTION: Circle all outliers with red pencil.

ACTION: If %RSD is $> 30.0\%$, qualify associated positive results for that analyte "J" (estimated). Do not qualify non-detects. When %RSD is $> 90\%$, flag all non-detects for that analyte "R" (unusable) and positive hits "J".

NOTE: Analytes previously qualified "U" for blank contamination are still considered as "hits" when qualifying for initial calibration criteria.

12.4 Are any average RRFs < 0.05 ?

☐ ☒ ☐

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YES NO N/A

ACTION: Circle all outliers with red pencil.

ACTION: If the average RRF is < 0.05 , then qualify associated non-detects with an "R" and flag associated positive data as estimated "J".

NOTE: Contract Requirement: The SOW allows up to two of the required analytes to fail contractual %RSD or RRF criteria, provided the %RSD is $\leq 40\%$ and RRF is ≥ 0.010 . (See Table 5, page D-61/VOA and analytes marked with a "*" on Form VI for required analytes and contractual criteria.) Technical criteria, however, are the same for all analytes.

ACTION: If more than two analytes failed %RSD or RRF criteria, document in the Data Assessment under Contract Problems/Non-Compliance.

12.5 Are there any transcription/calculation errors in the reporting of average relative response factors (RRF) or %RSD? (Check at least 2 values, but if errors are found, check more.)

AS PER CADRE AND CLS

ACTION: Circle errors with red pencil.

ACTION: If errors are large, contact the TOPO to obtain an explanation/resubmittal from the lab, document in the Data Assessment under Contract Problems/Non-Compliance.

13.0 GC/MS Continuing Calibration (Form VII)

13.1 Are the Continuing Calibration Forms (Form VII) present and complete for separate calibration of low water/med soil and low soil samples?

13.2 Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?

ACTION: If any forms are missing or no continuing calibration standard has been analyzed within twelve hours of every sample analysis, contact

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YES NO N/A

the TOPO to request an explanation/resubmittal from the lab. If continuing calibration data are not available, flag all associated sample data as unusable "R".

ACTION: List below all sample(s) that were not analyzed within twelve hours of the previous continuing calibration.

13.3 Do any volatile compounds have a percent difference (%D) between the initial and continuing RRF which exceeds the $\pm 25\%$ criteria?

☒ ☐ ☐

NOTE: Although 23 VOA compounds have a contractual minimum RRF and no maximum %D, the technical acceptance criteria are the same for all analytes.

ACTION: Circle all outliers with red pencil.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated. When %D is $> 90\%$, qualify all non-detects for that analyte unusable (R) and positive results estimated (J) .

13.4 Are any continuing calibration RRFs < 0.05 ?

☒ ☐ ☐

ACTION: Circle all outliers with red pencil.

ACTION: If the RRF is < 0.05 , qualify the associated non-detects as unusable "R" and the associated positive values "J".

NOTE: Contract Requirement: The SOW allows up to two of the required analytes to fail contractual %D and RRF criteria, provided that the %D is $\leq 40\%$ and the RRF is ≥ 0.010 . (See Table 5 pg. D-61/VOA or

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YES NO N/A

analytes marked with a "*" on Form VI for required analytes.) Technical criteria, however, are the same for all analytes.

ACTION: If more than two analytes failed %D and RRF, criteria document in the Data Assessment under contract Problems/Non-Compliance.

13.5 Are there any transcription/calculation errors in the reporting of RRF or %D between initial and continuing RRFs? (Check at least two values, but if errors are found, check more.)

AS PER CADRE AND CCS REPORT.

ACTION: Circle errors with red pencil.

ACTION: If errors are large, contact the TOPO to obtain an explanation/resubmittal from the lab, document in the Data Assessment under Contract Problems/Non-Compliance.

14.0 Internal Standard (Form VIII)

14.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration? *AS PER CADRE AND CCS.*

If no, was the sample re-analyzed?

ACTION: 1. Circle all outliers with red pencil.

2. List all the outliers below.

Sample #	Internal Std.	Area	Lower/Upper Limit
_____	_____	_____	_____/_____
_____	_____	_____	_____/_____
_____	_____	_____	_____/_____

(Attach additional sheets if necessary,
or attach copies of Form VIIIs.)

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YES NO N/A

ACTION: If any sample was not re-analyzed, document in the Data Assessment under Contract Problems/Non-Compliance.

ACTION: 1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.

2. Do not qualify non-detects when associated IS area counts are > 100%.

3. If the IS area in the sample is below the "lower limit," < 50%; qualify all analytes associated with that IS estimated, "J". If the area counts are extremely low, < 25% of the area in the 12 hour standard, or if performance exhibits a major abrupt drop-off, flag all associated non-detects as unusable, "R", and positive hits estimated, "J".

14.2 Are the retention times of the internal standards within 30 seconds of the associated calibration standard? *As per CADORE and CCS*

☒ ☐ ☐

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

NOTE: Contractual requirements state that if any internal standard fails the acceptance criteria, the sample must be re-analyzed. If the affected sample was not re-analyzed, document in the Data Assessment under Contract Problems/Non-Compliance.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for VOA analysis?

☒ ☐ ☐

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

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YES NO N/A

ACTION: Any gross variation between duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

Functional Guidelines for Evaluating Organic Analysis

CASE No.: 32512
LABORATORY: CEIMIC

SDG No.: B17T8
SITE: STANTON CLEANERS

DATA ASSESSMENT

The current SOP HW-6 (Revision 12) March 2001, USEPA Region II Data Validation SOP for Statement of Work OLM04.3 for evaluating organic data have been applied.

All data are valid and acceptable except those analytes rejected "R" (unusable). Due to the detection of QC problems, some analytes may have the "J" (estimated), "N" (presumptive evidence for the presence of the material, "U" (non-detect) or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Reviewer's *Andy Panayiotou*

Signature: Andy Panayiotou Date: March 15, 2004

Verified By: *Henif Sheikh* Date: 03/16/2004

SDG#B17T8

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. The following action was taken in the samples and analytes shown due to excessive holding time.

No problems found for this qualification.

2. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

DC-4 The following volatile samples have one or more system monitoring compound recovery values below the lower limit of the criteria window.
Hits are qualified "J" and non-detects are qualified "UJ".

B17T8

3. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

No qualification is performed based on MS/MSD recovery.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the sample shown were qualified with "U" for these reasons:

A) Method blank contamination:

- DC-6 The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" and non-detects are not flagged.

Methylene Chloride

B17T9, B17W0, B17W0MS, B17W0MSD, B17W1, B17X5, B17X7, B17X8, B17Y0, B17Z4, B17T8DL

- DC-13 The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Methylene Chloride

B17T8, B17W2, B17W3, B17X1, B17X2, B17X6, B17Z4DL

B) Field or rinse blank contamination:

- DC-x The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to FIVE times (5X) the associated field blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Methyl tert-Butyl Ether

B17W2, B17Z4DL, B17W0MS

Tetrachloroethene

B17W2, B17Y0, B17X6

- DC-x The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to FIVE times (5X) the associated field blank concentration. Hits are qualified "U" and non-detects are not flagged.

Tetrachloroethene

B17W2, B17T9

Methyl tert-Butyl Ether

B17Z4

C) Trip blank contamination for VOA aqueous samples:

No additional qualifications based on trip blank contamination.

D) Storage Blank associated with VOA samples only

No additional qualifications based on storage blank contamination.

E) Tics "R" rejected:

The following Tic's have been rejected "R". They have been identified as Siloxane peaks, and/or Lab Artifacts.

B17T8, 7T8DL, 7T9, 7W0, 7W1, 7W2, 7X1, 7X2, 7X5, 7X6, 7X7, 7X8
B17Y0, 7Z4, 7Z4DL
Unknown Siloxane(s)

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene and for semi-volatiles Decafluorotriphenyl-phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems found for this qualification.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected "R".

DC-9 The following volatile samples are associated with a continuing calibration relative response factor (RRF50) outside primary criteria.
Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane
B17T8, B17W3, B17X1, B17X2, B17Y5, VBLKOB

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the

response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be < 30% and %D must be < 25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detects data may be qualified "R".

For the PEST/PCB fraction, if %RSD exceeds 20% for all analytes except for the two surrogates (which must not exceed 30% RSD), qualify all associated positive results "J" and non-detects "UJ".

The following analytes in the sample shown were qualified for %RSD and %D:

DC-8 The following volatile samples are associated with a continuing percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Chloromethane

B17T8, B17W2, B17W3, B17X1, B17X2, B17X5, B17Y0, B17Y5, B17Y8, B17Y9,
B17Z4DL, VBLKOB, VBLKOD, VHBLK01

Vinyl Chloride

B17T8, B17W2, B17W3, B17X1, B17X2, B17X5, B17Y0, B17Y5, B17Y8, B17Y9,
B17Z4DL, VBLKOB, VBLKOD, VHBLK01

Acetone

B17T8DL, B17T9, B17W0, B17W0MS, B17W0MSD, B17W1, B17X6, B17X7, B17X8,
B17Y6, B17Y7, B17Z4, VBLKOC

trans-1,2-Dichloroethane

B17W2, B17X5, B17Y0, B17Y8, B17Y9, B17Z4DL, VBLKOD, VHBLK01

2-Butanone

B17T8, B17T8DL, B17T9, B17W0, B17W0MS, B17W0MSD, B17W1, B17W2, B17W3,
B17X1, B17X2, B17X5, B17X6, B17X7, B17X8, B17Y0, B17Y5, B17Y6, B17Y7,
B17Y8, B17Y9, B17Z4, B17Z4DL, VBLKOB, VBLKOC, VBLKOD, VHBLK01

2-Hexanone

B17T8DL, B17T9, B17W0, B17W0MS, B17W0MSD, B17W1, B17X6, B17X7, B17X8,
B17Y6, B17Y7, B17Z4, VBLKOC

1,2-Dibromo-3-chloropropane

B17W2, B17X5, B17Y0, B17Y8, B17Y9,
B17Z4DL, VBLKOD, VHBLK01

8. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ± 30 seconds from the associated continuing

calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgement to determine either partial or total rejection of the data for that sample fraction.

No problems found for this qualification.

9. COMPOUND IDENTIFICATION:

A) Volatile and Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

B) Pesticide Fraction:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract.

Not Applicable.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

11. FIELD DOCUMENTATION:

12. OTHER PROBLEMS

13. This package contains reextractions, reanalyses or dilutions. Upon reviewing the QA results, the following Form 1(s) are identified NOT to be used.

B17T8DL, B17Z4DL

1. SDG NARRATIVE

RECEIVED

FEB 05 2004

SDG Narrative

HAZ. WASTE SUPPORT SEC.

The enclosed data package is in response to USEPA, Region II, Case No.32512, and SDG No. B17T8, Contract No. 68-W-03-018. Under this SDG there are 21VOA samples received at Ceimic Corporation on January 16 and 17, 2004.

<u>EPA ID:</u>	<u>CEIMIC ID:</u>	<u>Analysis</u>
B17Y5	040025-01	VOA
B17T8	040025-02	VOA
B17T9	040025-03	VOA
B17W0	040025-04	VOA
B17W0MS	040025-04MS	VOA
B17W0MSD	040025-04MSD	VOA
B17W1	040025-05	VOA
B17W3	040025-06	VOA
B17X1	040025-07	VOA
B17X2	040025-08	VOA
B17X6	040025-09	VOA
B17X8	040025-10	VOA
B17Y6	040025-11	VOA
B17Y7	040025-12	VOA
B17Z4	040025-13	VOA
B17W2	040025-14	VOA
B17X5	040025-15	VOA
B17X7	040025-16	VOA
B17Y0	040025-17	VOA
B17Y8	040025-18	VOA
B17Y9	040025-19	VOA

(1) **Sample Receipt**

Cooler Temperatures upon receipt were 3°C and 4°C.

(2) **Instrumentation and Column Identification**

The following instruments were used for the analyses:

GC/ECD Analysis

A. VOA

MS15 HP5972 GC/MS, 30m, 0.25mm ID, 1.4 um, DB-624 capillary column.
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

(3) **Sample Information**

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letters "M" for GC/MS and "FF" for GC are used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. VOA Fraction (Method CLP SOW OLM04.3)

The pHs of the water samples were:

<u>Client ID:</u>	<u>Ceimic ID:</u>	<u>pH:</u>
B17T8	040025-02	1
B17T9	040025-03	1
B17W0	040025-04	1
B17W1	040025-05	1
B17W2	040025-14	1
B17W3	040025-06	1
B17X1	040025-07	1
B17X2	040025-08	1
B17X5	040025-15	1
B17X6	040025-09	1
B17X7	040025-16	1
B17X8	040025-10	1
B17Y0	040025-07	1
B17Y5	040025-01	1
B17Y6	040025-11	1
B17Y7	040025-12	1
B17Y8	040025-18	1
B17Y9	040025-19	1
B17Z4	040025-13	1

The following samples were re-analyzed at a dilution:

<u>Client ID:</u>	<u>Ceimic ID:</u>	<u>Dilution:</u>
B17T8	040025-02	20:1 (250 µL)
B17Z4	040025-13	20:1 (250 µL)

In the initial 5 mL analysis of B17T8, the on-column amount of tetrachloroethene exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration. Also in this analysis, the recovery of the System

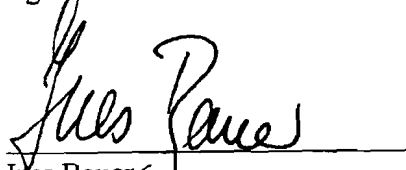
Monitoring Compound (SMC) toluene-d8 failed quality control criteria. The sample was reanalyzed using 250 µL of raw sample to bring the on-column amount into range. In the re-analysis, the SMC met recovery criteria. We have attributed the failing SMC recovery to the particular matrix of the sample.

Deviations from the SOW

None other than specified above.

End of SDG Narrative

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

A handwritten signature in black ink, appearing to read "Ines Bauer", written over a horizontal line.

Ines Bauer
Laboratory Manager

A handwritten date "2/4/04" in black ink, written over a horizontal line.

Date

**SAMPLE DELIVERY GROUP (SDG)
TRAFFIC REPORT (TR) COVERSHEET**

RECEIVED

FEB 05 2004

HAZ. WASTE SUPPORT SEC.

Lab Name: Ceimic Corporation

Lab Code: CEIMIC

Case No.: 32512

Bid Lot: G

Contract No: 68-W-03-018

Full Sample Analysis Price: _____

First Sample in SDG: B17T8

(Lowest EPA Sample Number in the first shipment of samples received under SDG.)

Sample Receipt Date: 1/16/2004

Last Sample in SDG: B17Y9

(Highest EPA Sample Number in the last shipment of samples received under SDG.)

Sample Receipt Date: 1/17/2004

EPA Sample Numbers in the SDG (listed in alphanumeric order by date received)

- | | |
|-----------|-----------|
| 1. B17T8 | 11. B17Y6 |
| 2. B17T9 | 12. B17Y7 |
| 3. B17W0 | 13. B17Z4 |
| 4. B17W1 | 14. B17W2 |
| 5. B17W3 | 15. B17X5 |
| 6. B17X1 | 16. B17X7 |
| 7. B17X2 | 17. B17Y0 |
| 8. B17X6 | 18. B17Y8 |
| 9. B17X8 | 19. B17Y9 |
| 10. B17Y5 | 20. |

Note: There are a maximum of 20 field samples in an SDG.

Attach Traffic Reports to this form in alphanumeric order by date received.
(i.e. The order listed on this form)

Jessica Robinson
Signature

1/26/04
Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-02

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE157

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U	I
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl Chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
79-20-9	Methyl Acetate	10	U	I
75-09-2	Methylene Chloride	10	U	I
156-60-5	trans-1,2-Dichloroethene	10	U	I
1634-04-4	Methyl tert-Butyl Ether	20	I	
75-34-3	1,1-Dichloroethane	10	U	I
156-59-2	cis-1,2-Dichloroethene	13	I	
78-93-3	2-Butanone	10	U	I
67-66-3	Chloroform	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
110-82-7	Cyclohexane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
71-43-2	Benzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	I

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-02

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE157

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec.

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	42	J
108-87-2	Methylcyclohexane	10	UJ
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	UJ
127-18-4	Tetrachloroethene	* 2300 1700	B
591-78-6	2-Hexanone	10	UJ
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	UJ
96-12-8	1,2-Dibromo-3-chloropropane	10	U R
120-82-1	1,2,4-Trichlorobenzene	10	UJ

* Value was transferred from dilution rec.

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17T8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-02

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE157

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	20.42		9-JB R
2.				
3.				
4.				
5.				
6.				
7.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32512 SAS No.: SDG No.: B17T8

Matrix: (soil/water) WATER Lab Sample ID: 040025-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OE173

Level: (low/med) LOW Date Received: 01/16/04

% Moisture: not dec. Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U I
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	12	U U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U I
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17T9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-03

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE173

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	17	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17T9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32512 SAS No.: SDG No.: B17T8

Matrix: (soil/water) WATER Lab Sample ID: 040025-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OE173

Level: (low/med) LOW Date Received: 01/16/04

% Moisture: not dec. Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.61	6-J R	
2.	UNKNOWN SILOXANE	20.41	16-J R	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-04

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE174

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	11	B U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32512 SAS No.: SDG No.: B17T8

Matrix: (soil/water) WATER Lab Sample ID: 040025-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OE174

Level: (low/med) LOW Date Received: 01/16/04

% Moisture: not dec. Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	120	
591-78-6	2-Hexanone	10	U I
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17W0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-04

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE174

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	17.61	5-10	NR R
2.	UNKNOWN SILOXANE	20.41	10-15	J R
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-05

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE177

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	15	B U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-05

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE177

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17W1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-05

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE177

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.60	7	J R
2.	UNKNOWN SILOXANE	20.41	11	J R
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W2

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-14

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE191

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W2

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-14

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE191

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.

COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	19	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17W2

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-14

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE191

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	20.44	9-JB R	
2.				
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-06

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE161

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17W3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-06

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE161

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U R
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17W3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32512 SAS No.: SDG No.: B17T8

Matrix: (soil/water) WATER Lab Sample ID: 040025-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OE161

Level: (low/med) LOW Date Received: 01/16/04

% Moisture: not dec. Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.62	11	JR
2.	UNKNOWN SILOXANE	20.42	12	JB
3.				
4.				
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-07

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE162

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	1	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-07

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE162

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	100	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U R
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17X1

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-07

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE162

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.61	13-J R	
2.	UNKNOWN SILOXANE	20.42	13-JB R	
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X2

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-08

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE163

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X2

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-08

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE163

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17X2

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-08

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE163

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.61	10-J	R
2.	UNKNOWN SILOXANE	20.42	7-JB	R
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-15

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE192

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U _I
75-01-4	Vinyl Chloride	10	U _I
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	B _U
156-60-5	trans-1,2-Dichloroethene	10	U _I
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U _I
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-15

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE192

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17X5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-15

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE192

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN SILOXANE	20.44	11	JB R
2.				
3.				
4.				
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-09

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE178

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	3	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	1	J
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-09

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE178

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17X6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-09

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE178

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.61	8-J	12
2.	UNKNOWN SILOXANE	20.41	13-J	12
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-16

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE185

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U I
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	13	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U I
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-16

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE185

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	110	
591-78-6	2-Hexanone	10	U I
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17X7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-16

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE185

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	20.41	8-J R	
2.				
3.				
4.				
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27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-10

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE179

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U ¹
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	13	B U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U ³
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17X8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-10

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE179

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17X8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-10

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE179

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	20.41	9	J R
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Y0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-17

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE193

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Y0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-17

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE193

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17Y0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-17

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE193

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.63	8-J R	
2.	UNKNOWN SILOXANE	20.44	9-DB R	
3.				
4.				
5.				
6.				
7.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16 B17Y5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-01

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE156

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl Chloride	10	U J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	5	J B
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17Y5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-01

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE156

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/20/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	20.42	8	JB
2.				
3.				
4.				
5.				
6.				
7.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FE B17Y6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-11

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE180

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U I
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	15	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	4	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U I
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Y6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-11

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE180

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	6	J
591-78-6	2-Hexanone	10	U I
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17Y6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-11

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE180

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN SILOXANE	20.41	9	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

TB B17Y7

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-12

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE181

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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
---------	----------	--	---

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U I
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	12	B
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U I
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Y7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-12

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE181

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17Y7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-12

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE181

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L


CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	20.41	10	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

 B17Y8

Lab Code: CEIMIC Case No.: 32512 SAS No.: SDG No.: B17T8

Matrix: (soil/water) WATER Lab Sample ID: 040025-18

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OE194

Level: (low/med) LOW Date Received: 01/17/04

% Moisture: not dec. Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (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
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	4	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

68 B17Y8

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-18

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE194

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	6	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U ¹
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FB B17Y8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-18

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE194

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN SILOXANE	17.63	6	J
2.				
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

18 B17Y9

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-19

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE195

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	6	JB
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB B17Y9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-19

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE195

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

TB B17Y9

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-19

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE195

Level: (low/med) LOW

Date Received: 01/17/04

% Moisture: not dec. _____

Date Analyzed: 01/22/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	20.44	20	<i>JB</i>
2.				
3.				
4.				
5.				
6.				
7.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Z4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-13

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE182

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	17	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B17Z4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-13

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE182

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec.

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (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

79-01-6	Trichloroethene	36	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	* 2300	1500 U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

* Value was transferred from dilution curve

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B17Z4

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 32512

SAS No.:

SDG No.: B17T8

Matrix: (soil/water) WATER

Lab Sample ID: 040025-13

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: OE182

Level: (low/med) LOW

Date Received: 01/16/04

% Moisture: not dec. _____

Date Analyzed: 01/21/04

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.60	8.5	R
2.	UNKNOWN SILOXANE	20.41	10.5	R
3.				
4.				
5.				
6.				
7.				
8.				
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Ryan Montalbano

From: Bauer, Heather [Heather.Bauer@dyncorp.com]
Sent: Tuesday, January 20, 2004 8:31 AM
To: Henry Leibovitz (E-mail); Jennifer Robinson; Ryan Montalbano
Cc: Jennifer Feranda (E-mail); Adly Michael (E-mail)
Subject: Region 02 | Case 32512 | Lab CEIMIC | Issue Shipping | FINAL

Ryan,

Following is the resolution from Region 2. Per the Region, the lab should note the issue in the SDG Narrative and proceed with the analysis of sample B17X2. Please let me know if you have any additional questions or problems.

Thanks,
Heather

Heather Bauer
CSC
Environmental Coordinator
Regions 1 and 2
(703) 818-4220
heather.bauer@dyncorp.com

-----Original Message-----

From: Michael.Adly@epamail.epa.gov
Sent: Tuesday, January 20, 2004 8:27 AM
To: Bauer, Heather
Cc: Jennifer Feranda (E-mail)
Subject: Re: Region 02 | Case 32512 | Lab CEIMIC | Issue Shipping

Good morning Heather,
Please advise the lab to proceed with the analysis of sample B17X2, and note the issue in the SDG narrative.

Thanks.

Adly A. Michael
Region 2 - HWSB - HWSS
Phone: (732) 906-6161
Fax: (732) 321-6622

"Bauer, Heather"

To: Jennifer Feranda/R2/USEPA/US@EPA, Adly Michael/R2/USEPA/US@EPA
01/16/04 02:32 PM
Subject: Region 02 | Case 32512 | Lab CEIMIC | Issue Shipping

Following is an email from CEIMIC regarding Case 32512. The lab is reporting that of the three VOA containers for aqueous sample B17X2 in Case 32512, one container arrived empty and another container arrived frozen. The lab can proceed with the analysis of the sample on the last container, but they will not have sufficient volume if reanalysis is required. Please advise on how the lab should proceed.

Thanks,
Heather

Heather Bauer
CSC
Environmental Coordinator
Regions 1 and 2
(703) 818-4220
heather.bauer@dyncorp.com

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in

delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

-----Original Message-----

From: Ryan Montalbano
Sent: Friday, January 16, 2004 2:32 PM
To: Heather Bauer (E-mail)
Subject: Case 32512 sample receiving issue

Hi Heather,

Of the three VOA containers for aqueous sample B17X2 in Case 32512, one container arrived empty and another container arrived frozen. Analysis can proceed as scheduled on the last container; there will only be a problem if a reanalysis is required. If that happens, I will let you know.

Thanks,
-Ryan

Ryan Montalbano
Supervisor, Inorganic Chemistry Laboratories
Ceimic Corporation
10 Dean Knauss Drive
Narragansett, RI 02882
(401)782-8900
Fax (401)782-8905
rmontalbano@ceimic.com

STANDARD OPERATING PROCEDURE

US EPA Region II
Method: CLP/SOW OLM04.2

Date: March, 2001
SOP HW-6, Rev. 12

YES NO N/A

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 32512 LABORATORY: CEIMIC
SITE NAME: STANTON CLEANERS SDG Number(s): B1778

1.0 Chain of Custody and Sampling Trip Reports

- 1.1 Are the Traffic Reports/Chain-of-Custody Records present for all samples? ☒ 1 1

ACTION: If no, contact RSCC, or contact the TOPO to obtain replacement of missing or illegible copies from the lab.

- 1.2 Is the Sampling Trip Report present for all samples and all fractions? ☒ 1 1

ACTION: If no, contact either RSCC or ask the TOPO to obtain this information from the prime contractor.

2.0 Data Completeness and Deliverables

- 2.1 Have any missing deliverables been received and added to the data package? ☒ 1 1

NOTE: The lab is required to submit data for only two analyses, for each fraction. (i.e., the original sample and one dilution, or the most concentrated dilution analyzed and one further dilution.)

ACTION: Contact the TOPO to obtain an explanation or resubmittal of any missing deliverables from the lab. If lab cannot provide them, note the effect on the review of the package in the Contract Problems/Non-compliance section of the Data Assessment.

- 2.2 Was CLASS CCS checklist included with package? ☒ 1 1

STANDARD OPERATING PROCEDURE

US EPA Region II
Method: CLP/SOW OLM04.2

Date: March, 2001
SOP HW-6, Rev. 12

YES NO N/A

Packed columns are not permitted.

- 3.4 Does the narrative, VOA and BNA sections, contain a list of all TIC's identified as alkanes and their estimated concentrations? ☒ YES ☐ NO ☐ N/A
- 3.5 Is the temperature indicator bottle present in the cooler? If not, did the Laboratory document in the SDG Narrative the alternative technique used to determine the cooler temperature? (Exhibit A/ p. A-5 sec. 4.2.1.2.3.3) ☒ YES ☐ NO ☐ N/A
- 3.6 Does the narrative contain a record of all cooler temperatures? If the temperature of a cooler was exceeded, > 10° C, the lab must list by fraction and sample number, all affected samples. ☒ YES ☐ NO ☐ N/A
- 3.7 Does the Narrative contain a list of sample reanalyses submitted? Did the Lab distinguish whether the reanalysis is billable, and if so why? ☒ YES ☐ NO ☐ N/A
- 3.8 Does the narrative contain a list of the pH values determined for each water sample submitted for volatile analysis (SOW Exhibit B, section 2.6.1.2)? ☒ YES ☐ NO ☐ N/A
- 3.9 Does the Case Narrative contain the statement, "verbatim", as required in Section B of the SOW? ☒ YES ☐ NO ☐ N/A

ACTION: If "No", to any question in this section, contact the TOPO to obtain all necessary resubmittals. If information is not available, document in the Data Assessment under Contract Problems/Non-Compliance section.

4.0 Data Validation Checklist

- 4.1 Check the package for the following discrepancies:
- a. Is the package paginated in ascending order starting from the SDG narrative? ☒ YES ☐ NO ☐ N/A

STANDARD OPERATING PROCEDURE

US EPA Region II
Method: CLP/SOW OLM04.2

Date: March, 2001
SOP HW-6, Rev. 12

	YES	NO	N/A
b. Are all forms and copies legible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Is each fraction assembled in the order set forth in the SOW?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The following checklist is divided into three parts. Part A is for any VOA analyses, Part B is for BNA's and Part C is Pesticide/PCB's.

Does this package contain:

VOA Data?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BNA Data?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pesticide/PCB data?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION: Complete corresponding parts of checklist.

STANDARD OPERATING PROCEDURE

US EPA Region II
Method: CLP/SOW OLM04.2

Date: March, 2001
SOP HW-6, Rev. 12

YES NO N/A

preserved with HCl (pH < 2) and stored at 4° C, then aqueous samples must be analyzed within 14 days of collection. If uncertain about preservation, contact sampler to determine whether or not samples were preserved. The holding time for non-Encore soils is 10 days from date of collection.

ACTION: If technical holding times for aqueous samples and soil non-Encore samples are exceeded, flag all positive results as estimated "J" and sample quantitation limits as estimated "UJ", and document in the Data Assessment that holding times were exceeded. If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re-analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results must be qualified "J", but the reviewer may determine that non-detect data are unusable "R". If holding times are exceeded by more than 28 days, all non detect data are unusable "R".

NOTE: Contractual Holding Times: Analysis of water and Non-Encore soil samples must be completed within 10 days of Validated Time of Sample Receipt (VTSR). This requirement does not apply to Performance Evaluation (PE) samples.

Technical Holding Times for soils Encore samples:

- i) If sample was preserved \leq 2 days of VTSR:
 - 1. and analyzed \leq 14 days from DoC, NO action needed.
 - 2. and analyzed $>$ 14 days from DoC, qualify positive results "J" and non-detects "UJ".
 - 3. and analyzed $>$ 28 days from DoC, qualify positive results "J" and non-detects "R".
- ii) If sample was NOT preserved, or preserved $>$ 2 days of VTSR
 - 1. and analyzed \leq 7 days from DoC, No action needed.

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YES NO N/A

2. and analyzed > 7 days from DoC, qualify AROMATIC analytes only, both positive and non-detects, as estimated "J".
3. and analyzed > 10 days from DoC, qualify ALL positive analytes "J" and ALL non-detects as "UJ".
4. and analyzed \geq 20 days from DoC, qualify positive results "J" and non-detects "R".

Note: CONTRACT holding times for soil Encore samples are:

1. Samples must be preserved within two (2) days of VTSR and must be analyzed within ten (10) days of VTSR.
2. Samples NOT preserved within two (2) days of VTSR must be analyzed within two (2) days of VTSR.

ACTION: If contractual holding times are exceeded, document in the Data Assessment.

NOTE: The data reviewer must note in the Data Assessment whether or not technical and contractual holding times were met.

Table of Holding Time Violations

(See Chain-of-Custody Records)

Sample ID	Sample Matrix	Was Sample Preserved?	Date Sampled	Date Lab Received	Date Analyzed

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YES NO N/A

3.0 System Monitoring Compound (SMC) Recovery (Form II)

3.1 Are the VOA SMC Recovery Summaries (Form II) present for each of the following matrices:

a. Low Water?

☒ ☐ ☐

b. Low Soil?

☐ ☐ ☒

c. Med Soil?

☐ ☐ ☒

3.2 Are all the VOA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:

a. Low Water?

☒ ☐ ☐

b. Low Soil?

☐ ☐ ☒

c. Med Soil?

☐ ☐ ☒

ACTION: Contact the TOPO to obtain an explanation or resubmittal of any missing deliverables from the laboratory. If missing deliverables are unavailable, document the effect in the Data Assessment.

3.3 Were outliers marked correctly with an asterisk?

☒ ☐ ☐

ACTION: Circle all outliers with red pencil.

3.4 Was one or more VOA system monitoring compound recovery outside of contract specifications for any sample or method blank?

☐ ☒ ☐

If yes, were samples re-analyzed?

☐ ☐ ☒

Were method blanks re-analyzed?

☐ ☐ ☒

ACTION: If recoveries are $\geq 10\%$, but 1 or more compounds fail to meet SOW specifications:

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YES NO N/A

1. All positive results are qualified as estimated "J".
2. Flag all non-detects as estimated detection limits "UJ" where recovery is less than the lower acceptance limit.
3. If SMC recoveries are above allowable levels, qualify positive results "J" and do not qualify non-detects.

ACTION: If any system monitoring compound recovery is < 10%:

1. Flag all positive results as estimated "J".
2. Flag all non-detects as unusable "R".

Professional judgement should be used to qualify data that only have method blank SMC recoveries out of specification in both original and re-analyses. Check the internal standard areas.

NOTE: Contractual requirements state that if any SMC fails the acceptance criteria, the sample must be re-analyzed. If the affected sample was not re-analyzed, document in the Data Assessment under Contract Problems/Non-Compliance.

NOTE: The laboratory must submit the following data:

1. If SMC recoveries and internal standard responses meet the acceptance criteria in the re-analyzed sample, then the laboratory must submit only the re-analysis.
2. If an SMC recovery and/or internal standard response fails to meet the acceptance criteria upon re-analysis, then submit data from both analyses.

(Refer to section 11.4.3.2, page D-45/VOA of the

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YES NO N/A

SOW for more information.)

- 3.5 Are there any transcription/calculation errors between raw data and Form II? *AS PER CADRE AND CCS*

ACTION: If large errors exist, contact the TOPO to obtain an explanation or resubmittal of corrected deliverables from the laboratory. Make any necessary corrections and note the effect in the Data Assessment.

4.0 Matrix Spikes (Form III)

- 4.1 Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?
- 4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:
- a. Low Water?
- b. Low Soil?
- c. Med Soil?

ACTION: If any matrix spike data are missing, take the action specified in section 3.2 above.

ACTION: No action is taken based upon MS/MSD data alone. However, using informed professional judgement, the MS/MSD results may be used in conjunction with other QC criteria to determine the need for qualification of the data.

ACTION: Circle all outliers with red pencil.

5.0 Blanks (Form IV)

- 5.1 Is the Method Blank Summary (Form IV) present?
- 5.2 Frequency of Analysis: for the analysis of VOA TCL compounds, has a reagent/method blank been analyzed during every 12-hour time period on each

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	YES	NO	N/A
GC/MS system, before any samples, and for each matrix?(water, low soil or medium soil)	<input checked="" type="checkbox"/>	___	___
5.3 Has a VOA method blank been analyzed at least once every twelve hours for each matrix/concentration and GC/MS system used?	<input checked="" type="checkbox"/>	___	___
5.4 Was a VOA instrument blank analyzed after each sample/dilution which contained a target compound that exceeded the initial calibration range?	<input checked="" type="checkbox"/>	___	___
5.5 Was a VOA storage blank analyzed at the end of all samples for each SDG in a case?	<input checked="" type="checkbox"/>	___	___

ACTION: If any method/instrument blank data are missing, contact the TOPO to obtain any missing deliverables from the laboratory. If method blank data are not available, reject "R" all associated positive data. However, using professional judgement, the data reviewer may substitute field blank or trip blank data for missing method blank data.

If the instrument blank was not analyzed after a sample with high concentration of reported values, inspect the chromatogram of the sample analyzed immediately after this analysis for possible carryover. Use professional judgement to determine if any contamination occurred and qualify analyte(s) accordingly.

If storage blank data is missing, contact the TOPO to obtain any missing deliverables from the laboratory. If unavailable, note in the Contract Problems/Non-Compliance section of the Data Assessment.

Note: A storage blank shall be analyzed and reported as a water sample unless the SDG contains only soil samples. Then, the storage blank may be analyzed and reported as a soil sample. (p. D-49/VOA sec. 12.1.3.5)

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YES NO N/A

- 5.6 The validator should verify that the correct identification scheme for the EPA Blank samples were used. See page B-30, section 3.3.7.3 of the SOW for further information.

Was the correct identification scheme used for all VOA blanks?

☒ ☐ ☐

ACTION: Contact the TOPO to obtain missing deliverables from the lab, or make the required corrections on the forms. Document in the Data Assessment under Contract Problems/Non-compliance if corrections were made by the validator.

- 5.7 Chromatography: review the blank raw data-chromatograms (RICs), quant. reports or data system printouts and spectra. Is the chromatographic performance (baseline stability) for each instrument acceptable for VOA's?

☒ ☐ ☐

ACTION: Use professional judgement to determine the effect on the data.

- 5.8 Are all detected hits for target compounds in method, instrument and storage blanks less than the CRQL for that analyte?

☒ ☐ ☐

Exception: Acetone and 2-butanone must be less than 5 times the CRQL, and methylene chloride and Cyclohexane must be less than 2.5 times its CRQL. (p. D-50/VOA sec. 12.1.4.6)

ACTION: If no, an explanation and laboratory's corrective actions must be addressed in the case narrative. If the narrative contains no explanation, then make a note in the Contract Problems/Non-Compliance section of the Data Assessment.

6.0 Contamination

NOTE: "Water blanks", "drill blanks", and "distilled water blanks" are validated like any other sample, and are not used to qualify data. Do not

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YES NO N/A

confuse them with the other QC blanks discussed below.

- 6.1 Do any method/instrument/reagent/storage blanks have positive results (TCL and/or TIC) for VOA's? ☒ ☐ ☐

NOTE: When applied as directed in the table below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for %moisture when necessary.

NOTE: A contaminated instrument blank is not allowable under this SOW. The instrument blank must meet the technical acceptance criteria for blank analyses (sec. 12.1.4). See page D-48/VOA, section 12.1.2.4 for additional information. Document in the Data Assessment under Contract Problems/Non-Compliance if contaminated instrument blank was submitted.

- 6.2 Do any field/trip/rinse blanks have positive VOA results (TCL and/or TIC)? ☒ ☐ ☐

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated with a particular group of samples (may exceed one per case) must be used to qualify data. Trip blanks are used to qualify only those samples with which they were shipped and are not required for non-aqueous matrices. Blanks may not be qualified because of contamination in another blank. Field Blanks & Trip Blanks must be qualified for system monitoring compound, instrument performance criteria, spectral or calibration, and Internal standard QC problems.

ACTION: Follow the directions in the table below to qualify TCL results due to contamination. Use the largest value from all the associated blanks. If any blanks are grossly contaminated, all associated data should be

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YES NO N/A

qualified as unusable "R".

NOTE: Analytes qualified "U" for blank contamination are till considered as "hits" when qualifying for calibration criteria.

ACTION: For TIC compounds, if the concentration in the sample is less than five times the concentration in the most contaminated associated blank, flag the sample data "R".

For:	Flag sample result with a "U" when:	Report CRQL & qualify "U" when:	No qualification is needed when:
<u>TCL COMPOUNDS</u>			
Methylene Chloride	Sample conc. is > CRQL, but ≤ 10x blank value.	Sample conc. is < CRQL and ≤ 10x blank value.	Sample conc. is > CRQL and > 10x blank value.
Acetone			
Toluene			
2-Butanone			
<u>Cyclohexane</u>			
Other	Sample conc. is > CRQL, but ≤ 5x blank value.	Sample conc. is < CRQL and ≤ 5x blank value.	Sample conc. is > CRQL and > 5x blank value.
Conta-minants			

6.3 Are there field/rinse/equipment blanks associated with every sample? ✓

ACTION: For low level samples, note in the Data Assessment that there is no associated field/rinse/equipment blank. For samples with high concentrations of suspected blank contaminants, use professional judgement to qualify these values and make a note in the Data Assessment.

Exception: samples taken from a drinking water tap do not have associated field blanks.

7.0 GC/MS Instrument Performance Check (Form V)

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YES NO N/A

7.1 Are the GC/MS Instrument Performance Check Forms (Form V) present for Bromofluorobenzene (BFB)?

☒ ☐ ☐

7.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?

☒ ☐ ☐

7.3 Is the mass spectrum of BFB acquired according to sec. 9.2.4.1 D-23/VOA?

☒ ☐ ☐

Note: Sec. 9.2.4.1 states that "the mass spectrum of BFB MUST be acquired in the following manner. Three scans (the peak apex scan and the scans immediately preceding and following the apex) are acquired and averaged. Background subtraction is required, and MUST be accomplished using a single scan no more than 20 scans prior to the elution of BFB. DO NOT background subtract part of the BFB peak." See Attachment 2 for BFB criteria.

Action: If not, reject "R" all samples associated with that particular BFB.

7.4 Has an instrument performance check been analyzed for every analytical sequence on each instrument?

☒ ☐ ☐

ACTION: List date, time, instrument ID, and sample numbers for which associated GC/MS tuning data are unavailable.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS
------	------	------------	----------------

_____	_____	_____	_____
_____	_____	_____	_____

ACTION: Notify the TOPO to obtain missing data, if possible. If the lab cannot provide the missing data, reject, "R", all data generated outside an acceptable twelve hour calibration interval.

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YES NO N/A

- 7.5 Have the ion abundances been normalized to m/z 95 as specified in Exhibit D, page D-56/VOA?
AS PER CADRE AND CCS

☒ ☐ ☐

NOTE: All ion abundance ratios must be normalized to m/z 95, the nominal base peak, even though the ion abundance of m/z 174 may be up to 120% that of m/z 95.

ACTION: If mass assignment is in error, qualify all associated data as unusable "R".

- 7.6 Have the ion abundance criteria been met for each instrument used? *AS PER CADRE AND CCS*

☒ ☐ ☐

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, the Region II TPO must be notified.

- 7.7 Are there any transcription/calculation errors between mass lists and Form Vs? (Check at least two values, but if errors are found check more.)
AS PER CADRE AND CCS

☐ ☒ ☐

- 7.8 Is the number of significant figures for the reported relative abundances consistent with the number given for each ion in the ion abundance criteria column?

☒ ☐ ☐

ACTION: If large errors exist, take action as specified in section 3.5 above.

- 7.9 Are the spectra of the mass calibration compound acceptable?

☒ ☐ ☐

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

8.0 Target Compound List (TCL) Analytes (FORM I VOA)

- 8.1 Are the Organic Analysis Data Sheets (Form I VOA) present with required header information on each page, for each of the following:

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	YES	NO	N/A
a. Samples and/or fractions as appropriate?	<input checked="" type="checkbox"/>	___	___
b. Matrix spikes and matrix spike duplicates?	<input checked="" type="checkbox"/>	___	___
c. Blanks?	<input checked="" type="checkbox"/>	___	___
8.2 Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (quant. reports) included in the sample package for each of the following:			
a. Samples and/or fractions as appropriate?	<input checked="" type="checkbox"/>	___	___
b. Matrix spikes and matrix spike duplicates (mass spectra not required)?	<input checked="" type="checkbox"/>	___	___
c. Blanks?	<input checked="" type="checkbox"/>	___	___
ACTION: If any data are missing, take action specified in 3.2 above.			
8.3 Is chromatographic performance acceptable with respect to:			
a. Baseline stability?	<input checked="" type="checkbox"/>	___	___
b. Resolution?	<input checked="" type="checkbox"/>	___	___
c. Peak shape?	<input checked="" type="checkbox"/>	___	___
d. Full-scale graph (attenuation)?	<input checked="" type="checkbox"/>	___	___
e. Other: _____?	<input type="checkbox"/>	___	<input checked="" type="checkbox"/>
ACTION: Use professional judgement to determine the acceptability of the data.			
8.4 Are the lab-generated standard mass spectra of the identified VOA compounds present for each sample? <i>AS PER CADRE AND CCS</i>	<input checked="" type="checkbox"/>	___	___

ACTION: If any mass spectra are missing, take action as specified in 3.2 above. If the lab does not

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YES NO N/A

generate its own standard spectra, document in the Contract Problems/Non-compliance section of the Data Assessment.

- 8.5 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration? *AS PER CADRE AND CCS*

☒ ☐ ☐

- 8.6 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum? *AS PER CADRE AND CCS*

☒ ☐ ☐

- 8.7 Do sample and standard relative ion intensities agree within $\pm 20\%$? *AS PER CADRE AND CCS*

☒ ☐ ☐

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected "R", flagged "N" (presumptive evidence of the presence of the compound) or changed to not detected "U" at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 8.5, 8.6, and 8.7.

ACTION: When sample carry-over is suspected, use professional judgement determine if instrument cross-contamination has affected positive compound identifications.

9.0 Tentatively Identified Compounds (TIC)

- 9.1 Are all Tentatively Identified Compound Forms (Form I Part B) present; and do listed TIC's include scan number or retention time, estimated concentration and "JN" qualifier?

☒ ☐ ☐

- 9.2 Are the mass spectra for the TIC's and associated "best match" spectra included in the sample package for each of the following:
AS PER CADRE AND CCS

- a. Samples and/or fractions as appropriate?
b. Blanks?

☒ ☐ ☐
☒ ☐ ☐

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YES NO N/A

c. Are Alkanes listed in/or part of the Case Narrative?

11 — ✓

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier to all chemically named TIC's, if missing.

9.3 Are any TCL compounds (from any fraction including all PCB congeners) listed as TIC compounds? (Example: 1,2- dimethylbenzene is xylene, a VOA TCL analyte, and should not be reported as a TIC.)

— ✓ —

ACTION: Flag with "R" only TCL compound detected in another fraction. (Except blank contaminants)

9.4 Are any TIC's reported earlier than 30 sec before the first purgeable compound, or three (3) min. after the last purgeable compound listed in Exhibit C (Volatiles)? *AS PER CADRE AND CCS*

— ✓ —

ACTION: Flag with "R" any TIC compound reported. (p. D38-VOA, sec. 11.1.2.2)

9.5 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum? *AS PER CADRE AND CCS*

✓ — —

9.6 Do TIC and "best match" standard relative ion intensities agree within ±20%? *AS PER CADRE AND CCS*

✓ — —

ACTION: Use professional judgement to determine the acceptability of TIC identifications. If it is determined an incorrect identification was made, change the identification to "unknown," or to some less specific identification as appropriate. (Example: "C3 substituted benzene.")

Also, when a compound is not found in any blank, but is detected in a sample and is a suspected artifact of a common laboratory

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YES NO N/A

contaminant, the result should be qualified as unusable "R". (E.g., Common Lab Contaminants: CO₂ (M/E 44), Siloxanes (M/E 73) hexane, aldol condensation products, solvent preservatives, and related by-products.

- 9.7 Are TIC's with responses < 10% of the internal standard (as determined by inspection of the peak areas or height) reported? *AS PER CADRE AND CCS* 1 ✓

ACTION: If yes, cross out questionable TIC's.

10.0 Compound Quantitation and Reported Detection Limits

- 10.1 Are there any transcription/calculation errors in Form I results? (Check at least two positive values. Verify that the correct internal standards, quantitation ions, and RRF were used to calculate Form I results.) *AS PER CADRE AND CCS* 1 ✓
- 10.2 Are the CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture? 1 ✓

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest CRQL's are used (unless a QC exceedance dictates the use of the higher CRQL data from the diluted sample). Replace concentrations that exceeded the calibration range in the original analysis by crossing out the "E" and its corresponding value on the original Form I and substituting the data from the diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form Is not to be used, including any in the data summary package.

11.0 Standards Data (GC/MS)

- 11.1 Are the Reconstructed Ion Chromatograms, and data system printouts (quant. reports) present for each initial and continuing calibration? 1 ✓

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YES NO N/A

ACTION: If any calibration standard data are missing,
take action specified in 3.2 above.

12.0 GC/MS Initial Calibration (Form VI)

12.1 Are the Initial Calibration Forms (Form VI)
present and complete at concentrations of 10, 20,
50, 100, 200ng for separate calibrations of low
water/med soils (unheated purge) and low soils
(heated purge)?

☒ ☐ ☐

ACTION: If any calibration standard forms are missing,
take action specified in 3.2 above.

12.2 Were all low level soil standards, blanks and
samples analyzed by heated purge?

☐ ☐ ☒

ACTION: If low level soil samples were not heated
during purge, qualify positive hits "J"
(estimated) and non-detects "R".

12.3 Are the % relative standard deviation (%RSD)
values for VOA's $\leq 30\%$ over the concentration
range of the calibration?

☒ ☐ ☐

NOTE: Although 23 VOA compounds have a contractual
minimum RRF and no maximum %RSD, the technical
acceptance criteria are the same for all
analytes.

ACTION: Circle all outliers with red pencil.

ACTION: If %RSD is $> 30.0\%$, qualify associated positive
results for that analyte "J" (estimated). Do
not qualify non-detects. When %RSD is $> 90\%$,
flag all non-detects for that analyte "R"
(unusable) and positive hits "J".

NOTE: Analytes previously qualified "U" for blank
contamination are still considered as "hits" when
qualifying for initial calibration criteria.

12.4 Are any average RRFs < 0.05 ?

☐ ☒ ☐

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YES NO N/A

ACTION: Circle all outliers with red pencil.

ACTION: If the average RRF is < 0.05 , then qualify associated non-detects with an "R" and flag associated positive data as estimated "J".

NOTE: Contract Requirement: The SOW allows up to two of the required analytes to fail contractual %RSD or RRF criteria, provided the %RSD is $\leq 40\%$ and RRF is ≥ 0.010 . (See Table 5, page D-61/VOA and analytes marked with a "*" on Form VI for required analytes and contractual criteria.) Technical criteria, however, are the same for all analytes.

ACTION: If more than two analytes failed %RSD or RRF criteria, document in the Data Assessment under Contract Problems/Non-Compliance.

12.5 Are there any transcription/calculation errors in the reporting of average relative response factors (RRF) or %RSD? (Check at least 2 values, but if errors are found, check more.)
AS PER CADRE AND CCL

— ☒ —

ACTION: Circle errors with red pencil.

ACTION: If errors are large, contact the TOPO to obtain an explanation/resubmittal from the lab, document in the Data Assessment under Contract Problems/Non-Compliance.

13.0 GC/MS Continuing Calibration (Form VII)

13.1 Are the Continuing Calibration Forms (Form VII) present and complete for separate calibration of low water/med soil and low soil samples?

☒ — —

13.2 Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?

☒ — —

ACTION: If any forms are missing or no continuing calibration standard has been analyzed within twelve hours of every sample analysis, contact

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YES NO N/A

the TOPO to request an explanation/resubmittal from the lab. If continuing calibration data are not available, flag all associated sample data as unusable "R".

ACTION: List below all sample(s) that were not analyzed within twelve hours of the previous continuing calibration.

13.3 Do any volatile compounds have a percent difference (%D) between the initial and continuing RRF which exceeds the $\pm 25\%$ criteria? ☒ ☐ ☐

NOTE: Although 23 VOA compounds have a contractual minimum RRF and no maximum %D, the technical acceptance criteria are the same for all analytes.

ACTION: Circle all outliers with red pencil.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated. When %D is $> 90\%$, qualify all non-detects for that analyte unusable (R) and positive results estimated (J).

13.4 Are any continuing calibration RRFs < 0.05 ? ☒ ☐ ☐

ACTION: Circle all outliers with red pencil.

ACTION: If the RRF is < 0.05 , qualify the associated non-detects as unusable "R" and the associated positive values "J".

NOTE: Contract Requirement: The SOW allows up to two of the required analytes to fail contractual %D and RRF criteria, provided that the %D is $\leq 40\%$ and the RRF is ≥ 0.010 . (See Table 5 pg. D-61/VOA or

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YES NO N/A

analytes marked with a "*" on Form VI for required analytes.) Technical criteria, however, are the same for all analytes.

ACTION: If more than two analytes failed %D and RRF, criteria document in the Data Assessment under contract Problems/Non-Compliance.

13.5 Are there any transcription/calculation errors in the reporting of RRF or %D between initial and continuing RRFs? (Check at least two values, but if errors are found, check more.)
AS PER CADRE AND CCS REPORT.

___ ☒ ___

ACTION: Circle errors with red pencil.

ACTION: If errors are large, contact the TOPO to obtain an explanation/resubmittal from the lab, document in the Data Assessment under Contract Problems/Non-Compliance.

14.0 Internal Standard (Form VIII)

14.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration? *AS PER CADRE AND CCS.*

☒ ___

If no, was the sample re-analyzed?

☐ ___ ☒

ACTION: 1. Circle all outliers with red pencil.

2. List all the outliers below.

Sample #	Internal Std.	Area	Lower/Upper Limit
_____	_____	_____	_____/_____
_____	_____	_____	_____/_____
_____	_____	_____	_____/_____

(Attach additional sheets if necessary,
or attach copies of Form VIIIs.)

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YES NO N/A

ACTION: If any sample was not re-analyzed, document in the Data Assessment under Contract Problems/Non-Compliance.

ACTION: 1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.

2. Do not qualify non-detects when associated IS area counts are > 100%.

3. If the IS area in the sample is below the "lower limit," < 50%, qualify all analytes associated with that IS estimated, "J". If the area counts are extremely low, < 25% of the area in the 12 hour standard, or if performance exhibits a major abrupt drop-off, flag all associated non-detects as unusable, "R", and positive hits estimated, "J".

14.2 Are the retention times of the internal standards within 30 seconds of the associated calibration standard? *As per CADORE and CCS*

☒ ☐ ☐

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

NOTE: Contractual requirements state that if any internal standard fails the acceptance criteria, the sample must be re-analyzed. If the affected sample was not re-analyzed, document in the Data Assessment under Contract Problems/Non-Compliance.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for VOA analysis?

☒ ☐ ☐

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

STANDARD OPERATING PROCEDURE

US EPA Region II
Method: CLP/SOW OLM04.2

Date: March, 2001
SOP HW-6, Rev. 12

YES NO N/A

ACTION: Any gross variation between duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

B1718 } OK
B1724 }



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

MAR 01 2004

Mr. David Miller
Environmental Chemical Corporation
1293 Broad Street
Bloomfield, New Jersey 07003

Dear Mr. Miller:

Enclosed are the results of the Stanton Cleaners sampling survey conducted by your firm on January 13-16, 2004. Any correspondence concerning these results should refer to our internal project number, 04010034 to uniquely identify the data. Please refer to the first page of the report for a description of any remark codes used as data qualifiers. It should be noted that all data are considered to be EPA- validated.

If you have any questions you can contact me by phone at (732) 906-6886, by fax at (732) 906-6165 or via the Internet at "birri.john@epa.gov".

Sincerely,

A handwritten signature in cursive script, appearing to read "John Birri".

John Birri
Special Projects Coordinator
Laboratory Branch

Enclosure



U.S. Environmental Protection Agency
Region 2 Laboratory

Data Report: Stanton Cleaners

Project Number: 04010034

Program: Y206

Project Leader: JOHN HUISMAN

Remark Codes	Explanation
U	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.
J	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
UJ	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. THE REPORTING LIMIT IS AN ESTIMATE.
N	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION.
NJ	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. THE REPORTED VALUE IS AN ESTIMATE.
R	THE PRESENCE OR ABSENCE OF THE ANALYTE CANNOT BE DETERMINED FROM THE DATA DUE TO SEVERE QUALITY CONTROL PROBLEMS. THE DATA ARE REJECTED AND CONSIDERED UNUSABLE.
K	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED HIGH. THE ACTUAL VALUE IS EXPECTED TO BE LESS THAN THE REPORTED VALUE.
L	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED LOW. THE ACTUAL VALUE IS EXPECTED TO BE GREATER THAN THE REPORTED VALUE.
NV	NOT VALIDATED
INC	RESULT NOT ENTERED



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00097 Field/Station ID: MB17T3
Matrix: Aqueous

Date Received: 1/14/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	75		mg/L
18496-25-8	SULFIDE	---	0.050U	mg/L

AF00098 Field/Station ID: MB17T4
Matrix: Aqueous

Date Received: 1/14/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	51		mg/L
18496-25-8	SULFIDE	---	0.050U	mg/L

AF00099 Field/Station ID: MB17T5
Matrix: Aqueous

Date Received: 1/14/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	62		mg/L
18496-25-8	SULFIDE	---	0.050U	mg/L

AF00100 Field/Station ID: MB17T6
Matrix: Aqueous

Date Received: 1/14/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	42		mg/L
18496-25-8	SULFIDE	---	0.050U	mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00101 Field/Station ID: MB17T7
Matrix: Aqueous
Sample Description:

Date Received: 1/14/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT	64		mg/L
18496-25-8	SULFIDE	---	0.050U	mg/L

AF00102 Field/Station ID: MB17W4
Matrix: Aqueous
Sample Description:

Date Received: 1/14/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT	49		mg/L
18496-25-8	SULFIDE	---	0.050U	mg/L

AF00103 Field/Station ID: MB17W6
Matrix: Aqueous
Sample Description:

Date Received: 1/14/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT	100		mg/L
18496-25-8	SULFIDE	---	0.050U	mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00104 Field/Station ID: MB17Z5
Matrix: Aqueous
Sample Description:

Date Received: 1/14/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
171-44-1	ALKALINITY, TOT	100		mg/L
18496-25-8	SULFIDE	---	0.050U	mg/L

AF00105 Field/Station ID: B17T3
Matrix: Aqueous
Sample Description:

Date Received: 1/14/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT	1.7		mg/L

AF00106 Field/Station ID: B17T4
Matrix: Aqueous
Sample Description:

Date Received: 1/14/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT	1.3		mg/L

AF00107 Field/Station ID: B17T5
Matrix: Aqueous
Sample Description:

Date Received: 1/14/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT	1.6		mg/L



U.S. EPA Region 2 Laboratory
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Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00108 Field/Station ID: B17T6
Matrix: Aqueous

Date Received: 1/14/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.5		mg/L

AF00109 Field/Station ID: B17T7
Matrix: Aqueous

Date Received: 1/14/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	2.0		mg/L

AF00110 Field/Station ID: B17W4
Matrix: Aqueous

Date Received: 1/14/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.7		mg/L

AF00111 Field/Station ID: B17W6
Matrix: Aqueous

Date Received: 1/14/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	2.4		mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00112 Field/Station ID: B17Z5
Matrix: Aqueous
Sample Description:

Date Received: 1/14/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	2.4		mg/L

AF00113 Field/Station ID: MB17W8
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	78		mg/L
18496-25-8	SULFIDE	---	0.050U	mg/L

AF00114 Field/Station ID: B17W8
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	2.1		mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00119 Field/Station ID: MB17W5
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	51		mg/L
18496-25-8	SULFIDE	0.050U		mg/L

AF00120 Field/Station ID: MB17W7
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	75		mg/L
18496-25-8	SULFIDE	0.050U		mg/L

AF00121 Field/Station ID: MB17W9
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	92		mg/L
18496-25-8	SULFIDE	0.050U		mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00122 Field/Station ID: MB17X0
Matrix: Aqueous

Date Received: 1/16/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	55		mg/L
18496-25-8	SULFIDE	—	0.050U	mg/L

AF00123 Field/Station ID: MB17X3
Matrix: Aqueous

Date Received: 1/16/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	76		mg/L
18496-25-8	SULFIDE	—	0.050U	mg/L

AF00124 Field/Station ID: MB17X4
Matrix: Aqueous

Date Received: 1/16/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	17		mg/L
18496-25-8	SULFIDE	—	0.050U	mg/L



U.S. EPA Region 2 Laboratory
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Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00125 Field/Station ID: MB17X9
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	61		mg/L
18496-25-8	SULFIDE	—	0.050U	mg/L

AF00126 Field/Station ID: MB17Y1
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	57		mg/L
18496-25-8	SULFIDE	—	0.050U	mg/L

AF00127 Field/Station ID: B17W5
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.7		mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00128 Field/Station ID: B17W7

Date Received: 1/16/2004

Matrix: Aqueous

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.7		mg/L

AF00129 Field/Station ID: B17W9

Date Received: 1/16/2004

Matrix: Aqueous

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	2.3		mg/L

AF00130 Field/Station ID: B17X0

Date Received: 1/16/2004

Matrix: Aqueous

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.7		mg/L

AF00131 Field/Station ID: B17X3

Date Received: 1/16/2004

Matrix: Aqueous

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.9		mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00132 Field/Station ID: B17X4
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.8		mg/L

AF00133 Field/Station ID: B17X9
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	2.0		mg/L

AF00134 Field/Station ID: B17Y1
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.7		mg/L

AF00135 Field/Station ID: MB17T8
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
18496-25-8	SULFIDE	---	0.050U	mg/L
471-34-1	ALKALINITY, TOT.	36		mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00136

Field/Station ID: MB17T9

Date Received: 1/16/2004

Matrix: Aqueous

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
18496-25-8	SULFIDE	---	0.050U	mg/L
471-34-1	ALKALINITY, TOT	74		mg/L

AF00137

Field/Station ID: MB17W0

Date Received: 1/16/2004

Matrix: Aqueous

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
18496-25-8	SULFIDE	---	0.050U	mg/L
471-34-1	ALKALINITY, TOT	82		mg/L

AF00138

Field/Station ID: MB17W1

Date Received: 1/16/2004

Matrix: Aqueous

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
18496-25-8	SULFIDE	--	0.050U	mg/L
471-34-1	ALKALINITY, TOT	54		mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00139 Field/Station ID: MB17W3
Matrix: Aqueous

Date Received: 1/16/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
18496-25-8	SULFIDE	---	0.050U	mg/L
471-34-1	ALKALINITY, TOT.	56		mg/L

AF00140 Field/Station ID: MB17X1
Matrix: Aqueous

Date Received: 1/16/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
18496-25-8	SULFIDE	---	0.050U	mg/L
471-34-1	ALKALINITY, TOT.	85		mg/L

AF00141 Field/Station ID: MB17X2
Matrix: Aqueous

Date Received: 1/16/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
18496-25-8	SULFIDE	---	0.050U	mg/L
471-34-1	ALKALINITY, TOT.	18		mg/L



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Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00142 Field/Station ID: MB17X6
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
18496-25-8	SULFIDE	---	0.050U	mg/L
471-34-1	ALKALINITY, TOT	59		mg/L

AF00143 Field/Station ID: MB17X8
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
18496-25-8	SULFIDE	---	0.050U	mg/L
471-34-1	ALKALINITY, TOT	110		mg/L

AF00144 Field/Station ID: MB17Z4
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
18496-25-8	SULFIDE	---	0.050U	mg/L
471-34-1	ALKALINITY, TOT	55		mg/L



U.S. EPA Region 2 Laboratory
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Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00145 Field/Station ID: B17T8 Date Received: 1/16/2004
Matrix: Aqueous
Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	2.3		mg/L

AF00146 Field/Station ID: B17T9 Date Received: 1/16/2004
Matrix: Aqueous
Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.6		mg/L

AF00147 Field/Station ID: B17W0 Date Received: 1/16/2004
Matrix: Aqueous
Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	2.0		mg/L

AF00148 Field/Station ID: B17W1 Date Received: 1/16/2004
Matrix: Aqueous
Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.6		mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00149 Field/Station ID: B17W3 Date Received: 1/16/2004
Matrix: Aqueous
Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.5		mg/L

AF00150 Field/Station ID: B17X1 Date Received: 1/16/2004
Matrix: Aqueous
Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.7		mg/L

AF00151 Field/Station ID: B17X2 Date Received: 1/16/2004
Matrix: Aqueous
Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.2		mg/L

AF00152 Field/Station ID: B17X6 Date Received: 1/16/2004
Matrix: Aqueous
Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	2.6		mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00153 Field/Station ID: B17X8
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	3.3		mg/L

AF00154 Field/Station ID: B17Z4
Matrix: Aqueous
Sample Description:

Date Received: 1/16/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	2.4		mg/L

AF00155 Field/Station ID: MB17W2
Matrix: Aqueous
Sample Description:

Date Received: 1/20/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	91		mg/L
18496-25-8	SULFIDE	—	0.050U	mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00156 Field/Station ID: MB17X5
Matrix: Aqueous

Date Received: 1/20/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	130		mg/L
18496-25-8	SULFIDE	—	0.050U	mg/L

AF00157 Field/Station ID: MB17X7
Matrix: Aqueous

Date Received: 1/20/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	140		mg/L
18496-25-8	SULFIDE	—	0.050U	mg/L

AF00158 Field/Station ID: MB17Y0
Matrix: Aqueous

Date Received: 1/20/2004

Sample Description:

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
471-34-1	ALKALINITY, TOT.	56		mg/L
18496-25-8	SULFIDE	—	0.050U	mg/L



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: Stanton Cleaners

Project Number: 04010034

*Sorted By Sample ID

AF00159 Field/Station ID: B17W2
Matrix: Aqueous
Sample Description:

Date Received: 1/20/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.4		mg/L

AF00160 Field/Station ID: B17X5
Matrix: Aqueous
Sample Description:

Date Received: 1/20/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.3		mg/L

AF00161 Field/Station ID: B17X7
Matrix: Aqueous
Sample Description:

Date Received: 1/20/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.7		mg/L

AF00162 Field/Station ID: B17Y0
Matrix: Aqueous
Sample Description:

Date Received: 1/20/2004

Single Component Analyses

<u>CAS Number</u>	<u>Analyte Name</u>	<u>Result</u>	<u>Remark Codes</u>	<u>Units</u>
10-19-5	ORGANIC CARBON, TOT.	1.7		mg/L



U.S. EPA Region 2 Laboratory
Data Report

Project Approval: _____

[Signature]

Date: 3-1-04



1000
800-800-1000
1000

Certificate of Analysis

January 29, 2004

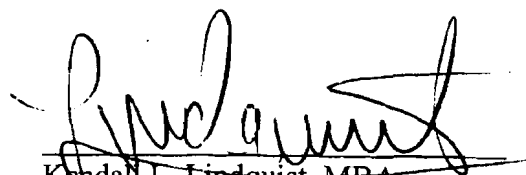
John Huisman
EarthTech Inc.
110 Cuttermill Road
Great Neck, NY 11021
Phone: 516-352-4133

Dear Mr. Huisman:

RE: Stanton LTRA Groundwater Sampling
AML Work Order Number: 4320

Attached, please find the analytical report for the samples collected by EarthTech for the project described above. The laboratory received these samples on January 14, 2004. Problems encountered in the analysis of these samples are documented in the laboratory case narrative. Please feel free to call me at (913) 829-0101 if you have any questions.

Respectfully Submitted,
Analytical Management Laboratories, Inc.


Kendall L. Lindquist, MBA
Operations Manager

**Certificate of Analysis
Laboratory Case Narrative**

Client:	EarthTech
Project Name:	Stanton LTRA Groundwater Sampling
Contract/DO No:	70536.04.03.01
Lab Work Order No:	4320

Samples

Cooler receipt form(s) and completed copies of the chain of custody form(s) are included in the Sample Information section.

Reports

The laboratory is in the process of implementing Horizon/Chemware laboratory information system (LIMS) to improve EDD and hardcopy report generation procedures. Under this system, hardcopy reports are actually generated using information contained in a database, which is also used to generate electronic deliverables. This procedure was implemented to assure data integrity between these two media. Consequently, the report formats are undergoing changes and revisions that are necessary to make continuous improvement until they are finalized. The attached report is organized as follows:

Cover Letter

Laboratory Case Narrative

Sample Information

Sample Result Forms, organized in the following order: by fraction and by sample.

QC Summary organized in the following order: by fraction, by matrix and by QC parameter.

The QC Summary for each fraction contains QC parameters in the following order:

QC Association Forms (EPA CLP Form-4 equivalents)

Surrogate Recovery Summary, when applicable (EPA CLP Form-2 equivalents)

Method Blank Results (EPA CLP Form-1 equivalents)

Matrix Spike (MS) and MS duplicate (MSD) Results (EPA CLP Form-1 equivalents)

Laboratory Control Sample (LCS) and LCS duplicate (LCSD, subject to availability) Results (EPA Form-1 equivalents)

Matrix Spike (MS) and MS duplicate (MSD) Recoveries and RPD Summary (EPA CLP Form-3 equivalents)

Laboratory Control Sample (LCS) and LCS duplicate (subject to availability) Recoveries and RPD Summary (EPA Form-3 equivalents)

Sample Result Forms

Sample results are shown on modified CLP Form 1 equivalents with the following qualifiers:

U = Not detected or detected below method detection limit (MDL) or reporting limit (RL).

J = Detected above MDL/RL but below the practical quantitation limit (PQL).

Certificate of Analysis

E = Detected at levels in excess of the upper calibration limit.

R = Rejected due to significant QA outliers.

MDLs, RLs and PQLs have been adjusted for sample volume and dilution.

MDL=Method Detection Limit (Lowest amount that can be reported as positive based on statistical considerations).

LLR = Lowest Level for reporting ($MDL < LLR < MQL$). This is the lowest amount that AML reports as positive on a routine basis. The LLR is typically one half of the MQL in our laboratories. However, it can be as low as the MDL and it equals MDL for some parameters. The center of excellence (CX) at Omaha has been pushing the laboratories to use "RDL or Reliable detection limit" as the equivalent of LLR. However, RDL is defined as two times the MDL, which makes it very difficult for the laboratories to use this term.

MQL=Method Quantitation Limit. It is the lowest point on our calibration curve. It is the equivalent of the reporting limit (RL) and/or practical quantitation limit (PQL) used by most laboratories. The term "Reporting Limit" has become meaningless since the laboratories are required to report results below this limit as an estimated result with a "J" flag).

Multiple sample result forms may be provided for one or more of the following reasons, if in the professional judgment of the laboratory that sample results for a given compound may be more accurate from one of the multiple analyses:

Sample was reanalyzed for surrogate recovery outliers;

Sample was reanalyzed at a dilution;

One of the analyses was performed outside the holding times; and

A replicate analysis was performed for internal QC purposes

QC Association Forms

A list of method blanks, laboratory control samples (LCS), LCS duplicates, (LCSD), if any, matrix spikes (MS, if available), and matrix spike duplicates (MSD, if available) and field samples associated with each QC batch are shown on QC Association Forms, which are CLP Form-4 equivalents. Separate forms are included for each matrix and each fraction. At present, the laboratory is using two tracking numbers for QC batches: numbers based on the manual system, which are recorded in the laboratory notebooks, instruments, etc; and numbers based on the LIMS system. The QC batch numbers shown on these reports are based on LIMS, which is currently in implementation.

Surrogate Recovery Forms (when applicable)

A summary of the system monitoring compound recoveries for project samples is included in this section. Surrogate recoveries for QC analyses (MB, LCS, MS, etc.) are shown in their respective sections. EPA CLP Form 2 equivalents are used to report surrogate recoveries for project samples.

Certificate of Analysis

Method Blank Result Forms

Laboratory method blank samples were analyzed with each QC batch as described in the QC Association Form. Analytical results for method blanks are shown on CLP Form 1 equivalents. They include data for all target compounds/analytes and surrogates. Laboratory policies on corrective action are included in parameter-specific case narratives.

Laboratory Control Sample (LCS) Report Forms

Laboratory control samples were analyzed with each QC batch as described in the QC Association Form. LCS results of these QC analyses are shown in CLP Form 1. LCS recoveries and RPDs for duplicates (if performed) are shown on EPA Form-3 equivalents. Recoveries and relative percent difference (RPDs) for duplicates outside the applicable QC limits are flagged with an asterisk (*). Laboratory policies on corrective action are included in parameter-specific case narratives.

Matrix Spike/Matrix Spike Duplicate Recoveries Report Forms

MS/MSD results are shown in EPA CLP Form-1 equivalents. Recoveries and relative percent difference (RPDs) for duplicates outside the applicable QC limits are flagged with an asterisk (*). They are shown on EPA Form-3 equivalents.

Calibration

Instruments were calibrated in accordance with applicable method. Deviations are shown in parameter-specific case narratives. Copies of initial calibration and calibration verification summaries and associated raw data will be maintained in project files and made available for detailed client review, if necessary.

Test Methods and Holding Times

Analyses were performed within applicable holding times except as noted in parameter-specific case narratives.

Batch-specific Quality Control Procedures

Method blanks and laboratory control samples are used as batch QC elements. Matrix spikes are used as sample specific QC elements at AML. When these QC elements are outside their QC limits, results for all associated samples are evaluated and corrective actions that affect the entire sample set are performed. Laboratory policies on corrective action are included in parameter-specific case narratives.

Certificate of Analysis

Sample-specific Quality Control Procedures

Sample concentrations exceeding the upper calibration limit, surrogate recoveries outside the QC limits, calibration parameters (e.g. ICAL, CALV, ICV, CCV, ICB, CCB, etc.) not within QC limits, etc. are used as sample-specific and/or sample-group specific QC elements for one or more associated samples during instrumental analysis. Serial dilution, standard addition, etc. are used as matrix-specific QC elements for one or more associated samples. When these QC elements are outside their QC limits, associated individual sample results are evaluated and appropriate corrective actions are performed. Laboratory policies and procedures on corrective action are included in parameter-specific case narratives.

Manual Integration

Manual integration operations that have potential to improve accuracy of analysis are performed, as necessary (shown with a "M" flag on raw data) based on visual inspection of peak shapes for each target analyte. Such operations are technically defensible and they are not aimed at meeting the minimum technical requirements of the analytical procedure.

Statement

To the best of our knowledge, this data package is in compliance with the terms and conditions of the contract/purchase order/delivery order, both technically and for completeness, for other than the conditions detailed in this case narrative. The quality assurance manager or his designee, as verified by the signature on the cover letter has authorized release of data contained in this report.

Anions - General

Calibration and sample analyses were performed using IC by SW-846 Method 300.0. Method criteria for instrument calibration and sample analysis were met. Corrective action was attempted in response to QC outliers requiring such action. When corrective action was not successful, data released by the laboratory may require qualifications for usability in accordance with client procedures and project requirements.

Initial Calibration (ICAL - Soil and Water Samples)

A six-point initial calibration was employed. The response factors for the compounds were within method QC limits for the ICAL. Linear regression is used for calibration with a minimum coef of det as 0.995. Acceptable initial calibration was not obtained for the following compounds, which were detected in project samples: None.

Initial Calibration Verification (ICV)

A second source standard was employed for the ICV. The QC recovery limits are 80% to 120%. There is no allowance for any outliers. QC outliers requiring corrective action: None.

Continuing Calibration Verification (CCVs)

A same source standard was employed for the CCV. The calibration check samples were within method QC limits for the CCVs. Acceptable CCVs were not obtained for the following compounds, which were detected in project samples: None.

Method Blanks

No significant anomalies were noted.

Laboratory Control Sample Recoveries

The DoD QSM LCS control and marginal exceedence limits are listed in the LCS/LCSD recovery form. The statistically allowable number of sporadic marginal failures (SMFs) or marginal exceedences (ME) based on the number of target compounds for this method is 0. Expanded SMF QC limits are not applicable. Compounds that may have recoveries outside the QC limits in the LCS may be within the QC limits in the LCSD. QC outliers requiring corrective action: None.

Matrix Spike Recoveries

The QC limits are listed on the MS recovery form. Expanded SMF QC limits are not applicable for this method. Compounds that may have recoveries outside the QC limits in the MS may be within the QC limits in MSD. QC outliers requiring corrective action: None.

Matrix Spike Duplicates

The %RPD for matrix spike duplicate results are calculated to assess precision. The QC limit for soil samples are listed in the MSD recovery form.

QC outliers requiring corrective action: None.

Retention Times

The retention times for the associated samples were within QC limit windows. Retention times were within QC limits for the project samples with the following exception(s): None.

RSK-175 - General

Calibration and sample analyses were performed using GC/FID by Method RSK-175. Method criteria for instrument calibration and sample analysis were met. Corrective action was attempted in response to QC outliers requiring such action. When corrective action was not successful, data released by the laboratory may require qualifications for usability in accordance with client procedures and project requirements.

Initial Calibration (ICAL - Soil and Water Samples)

A five-point initial calibration was employed. The response factors for the compounds were within method QC limits for the ICAL. Linear regression is used for calibration with a minimum coef of det as 0.995. Acceptable initial calibration was not obtained for the following compounds, which were detected in project samples: None.

Initial Calibration Verification (ICV)

A second source standard was employed for the ICV. The QC recovery limits are 70% to 150%. There is no allowance for any outliers. QC outliers requiring corrective action: None.

Continuing Calibration Verification (CCVs)

A same source standard was employed for the CCV. The calibration check samples were within method QC limits for the CCVs. Acceptable CCVs were not obtained for the following compounds, which were detected in project samples: None.

Method Blanks

No significant anomalies were noted.

Laboratory Control Sample Recoveries

The DoD QSM LCS control and marginal exceedence limits are listed in the LCS/LCSD recovery form. The statistically allowable number of sporadic marginal failures (SMFs) or marginal exceedences (ME) based on the number of target compounds for this method is 0. Expanded SMF QC limits are not applicable. Compounds that may have recoveries outside the QC limits in the LCS may be within the QC limits in the LCSD. QC outliers requiring corrective action: None.

Matrix Spike Recoveries

The QC limits are listed on the MS recovery form. Expanded SMF QC limits are not applicable for this method. Compounds that may have recoveries outside the QC limits in the MS may be within the QC limits in MSD. QC outliers requiring corrective action: None.

Matrix Spike Duplicates

The %RPD for matrix spike duplicate results are calculated to assess precision. The QC limit for soil samples are listed in the MSD recovery form.

QC outliers requiring corrective action: None.

Retention Times

The retention times for the associated samples were within QC limit windows. Retention times were within QC limits for the project samples with the following exception(s):
None.

Project Samples

QC Batch:

Sample Information

SDG 4320



Analytical Management Laboratories, Inc.

15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

24670

Page 1 of 1

Chain of Custody Record / Request for Analysis

Client Contact Name: John Huismen
Company Name: Earth Tech, Inc.
Address: 110 Cutler Mill Road
City, State, Zip: Great Neck, NY 11021
Phone #: (516) 466-8637
Fax #: ()

Project Name: Stanton Cleaners LTRA GW Sampling
Project Number: 70536.04.03.01
Purchase Order Number:
Project Due Date:
Project Comments: Air Bill # 842356342
Sampler's Signature: John Huismen

0011

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: <u>4320</u>					Method # --->																				Please include any information that may be useful in the analysis of the sample. Example: high concentration		
Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative List total number of bottles for each preservative type.					TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pesticides/PCBs	PCBs	RCRA8 Metals	Lead	Flash Point	Paint Filter	pH	Nitrate, Sulfate, Chloride		Methane, Ethane, Ethene	Comments:
						HCl	HNO ₃	NaOH	H ₂ SO ₄	Unpreserved																	
4320-01	EPA-MW-33	1/13/04	0905	GW	5	3			1	1	5													2	3		B17W8
4320-02	EPA-MW-31	1/13/04	1505	GW	5	3			1	1	5													2	3		B17W6
4320-03	EPA-MW-31D	1/13/04	1505	GW	5	3			1	1	5													2	3		B17Z5
4320-04	CL-4S	1/13/04	1150	GW	5	3			1	1	5													2	3		B17T7
4320-05	CL-4D	1/13/04	1255	GW	5	3			1	1	5													2	3		B17T6
4320-06	CL-1S	1/13/04	0845	GW	5	3			1	1	5													2	3		B17T4
4320-07	CL-1D	1/13/04	1030	GW	5	3			1	1	5													2	3		B17T3
4320-08	CL-3	1/13/04	1245	GW	5	3			1	1	5													2	3		B17T5
4320-09	EPA-MW-29	1/13/04	1545	GW	5	3			1	1	5													2	3		B17W4

C U S T O D Y	Relinquished By: <u>John Huismen</u>	Date/Time: <u>1/13/04 17:30</u>	Received By: <u>Fedex</u>	Date/Time: <u> </u>
	Relinquished By: <u> </u>	Date/Time: <u> </u>	Received By: <u> </u>	Date/Time: <u>01-14-04 10:25am</u>

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method <input type="checkbox"/> Delivered in Person <input checked="" type="checkbox"/> Courier <u>Fedex</u> <input type="checkbox"/> Airbill #: <u>84235663842</u>	Custody Seals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Broken	Coolant <input checked="" type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None	Cooler Temp. <u>3.0</u> °C <input checked="" type="checkbox"/> Temp. Blank <input type="checkbox"/> Cooler	Receiving Comments: <u> </u>
--	--	---	--	---



Analytical Management Laboratories, Inc.

15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

Case# 32512

24671

Page ____ of ____

Chain of Custody Record / Request for Analysis

Client Contact Name: John Huisman
Company Name: Earth Tech, Inc.
Address: 110 Cutter Mill Road
City, State, Zip: Great Neck, NY 11021
Phone #: (516) 466-8637
Fax #: ()

Project Name: Stanton Ckues LTRA GW Sampling
Project Number: 70536.04.03.01
Purchase Order Number:
Project Due Date:
Project Comments:
Sampler's Signature: [Signature]

0012

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: <u>4320</u>					Method # --->															Please include any information that may be useful in the analysis of the sample. Example: high concentration							
Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative List total number of bottles for each preservative type.					TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pesticides/PCBs	PCBs	RCRAB Metals		Lead	Flash Point	Paint Filter	pH	Nitrate, Sulfate, Chloride	Methane, Ethane, Ethene	Comments:
						HCl	HNO ₃	NaOH	H ₂ SO ₄	Unpreserved																	
4320-10	EPA-MW-11D	1/14/04	0900	GW	5	3				1	1	5													2	3	B17X0
4320-11	ST-MW-11	1/14/04	1130	GW	5	3				1	1	5													2	3	B17X3
4320-12	EPA-MW-32	1/14/04	1440	GW	5	3				1	1	5													2	3	B17W7
4320-13	EPA-MW-9A	1/14/04	1630	GW	5	3				1	1	5													2	3	B17W9
4320-14	ST-MW-17	1/14/04	0945	GW	5	3				1	1	5													2	3	B17X9
4320-15	ST-MW-12	1/14/04	1230	GW	5	3				1	1	5													2	3	B17X4
4320-16	ST-MW-20	1/14/04	1500	GW	5	3				1	1	5													2	3	B17Y1
4320-17	EPA-MW-30	1/14/04	1645	GW	5	3				1	1	5													2	3	B17W5
4320-12	EPA-MW-32MS	1/14/04	1440	GW	5	3				1	1	5													2	3	B17W7
4320-12	EPA-MW-32MSD	1/14/04	1440	GW	5	3				1	1	5													2	3	B17W7

C U S T O D Y	Relinquished By: <u>[Signature]</u>	Date/Time: <u>1/14/04 1750</u>	Received By: <u>FedEx</u>	Date/Time: <u> </u>
	Relinquished By: <u> </u>	Date/Time: <u> </u>	Received By: <u>[Signature]</u>	Date/Time: <u>01-15-04 09:50am</u>

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method <input type="checkbox"/> Delivered in Person <input checked="" type="checkbox"/> Courier: <u>FedEx</u> <input type="checkbox"/> Airbill #: <u>842135658810</u>	Custody Seals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Broken	Coolant <input checked="" type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None	Cooler Temp. <u>21</u> °C <input type="checkbox"/> Temp. Blank <input type="checkbox"/> Cooler	Receiving Comments: <u> </u>
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Analytical Management Laboratories - Sample Status and Receipt Report

AML Project Number 4320 **Client AML ID** Earth Tech
AML Profile Number 2410 **Client Project ID** Stanton Cleaners LTRA GW Sam.

<i>AML Sample</i>	<i>Matrix</i>	<i>Client Sample ID</i>	<i>Date Collected</i>	<i>Projected Due Date</i>	<i>Procedure</i>	<i>Comments</i>
432001	W	EPA-MW-33	01/13/2004 9:05	01/28/2004 17:00	RSK175	
432001	W	EPA-MW-33	01/13/2004 9:05	01/28/2004 17:00	300.0W	ITRATE, SULFATE, CHLORID
432002	W	EPA-MW-31	01/13/2004 15:05	01/28/2004 17:00	300.0W	ITRATE, SULFATE, CHLORID
432002	W	EPA-MW-31	01/13/2004 15:05	01/28/2004 17:00	RSK175	
432003	W	EPA-MW-31D	01/13/2004 15:05	01/28/2004 17:00	300.0W	ITRATE, SULFATE, CHLORID
432003	W	EPA-MW-31D	01/13/2004 15:05	01/28/2004 17:00	RSK175	
432004	W	CL-4S	01/13/2004 11:50	01/28/2004 17:00	RSK175	
432004	W	CL-4S	01/13/2004 11:50	01/28/2004 17:00	300.0W	ITRATE, SULFATE, CHLORID
432005	W	CL-4D	01/13/2004 12:55	01/28/2004 17:00	300.0W	ITRATE, SULFATE, CHLORID
432005	W	CL-4D	01/13/2004 12:55	01/28/2004 17:00	RSK175	
432006	W	CL-1S	01/13/2004 8:45	01/28/2004 17:00	300.0W	ITRATE, SULFATE, CHLORID
432006	W	CL-1S	01/13/2004 8:45	01/28/2004 17:00	RSK175	
432007	W	CL-1D	01/13/2004 10:30	01/28/2004 17:00	300.0W	ITRATE, SULFATE, CHLORID
432007	W	CL-1D	01/13/2004 10:30	01/28/2004 17:00	RSK175	
432008	W	CL-3	01/13/2004 12:45	01/28/2004 17:00	300.0W	ITRATE, SULFATE, CHLORID
432008	W	CL-3	01/13/2004 12:45	01/28/2004 17:00	RSK175	

Analytical Management Laboratories - Sample Status and Receipt Report

AML Project Number 4320 **Client AML ID** Earth Tech
AML Profile Number 2410 **Client Project ID** Stanton Cleaners LTRA GW Sam.

<i>AML Sample</i>	<i>Matrix</i>	<i>Client Sample ID</i>	<i>Date Collected</i>	<i>Projected Due Date</i>	<i>Procedure</i>	<i>Comments</i>
432009	W	EPA-MW-29	01/13/2004 15:45	01/28/2004 17:00	RSK175	
432009	W	EPA-MW-29	01/13/2004 15:45	01/28/2004 17:00	300.0W	NITRATE, SULFATE, CHLORID
432010	W	EPA-MW-11D	01/14/2004 9:00	01/29/2004 17:00	300.0W	NITRATE, SULFATE, CHLORID
432010	W	EPA-MW-11D	01/14/2004 9:00	01/29/2004 17:00	RSK175	
432011	W	ST-MW-11	01/14/2004 11:30	01/29/2004 17:00	300.0W	NITRATE, SULFATE, CHLORID
432011	W	ST-MW-11	01/14/2004 11:30	01/29/2004 17:00	RSK175	
432012	W	EPA-MW-32	01/14/2004 14:40	01/29/2004 17:00	300.0W	ID , NITRATE, SULFATE, CHL
432012	W	EPA-MW-32	01/14/2004 14:40	01/29/2004 17:00	RSK175	MS MSD
432013	W	EPA-MW-9A	01/14/2004 16:30	01/29/2004 17:00	300.0W	NITRATE, SULFATE, CHLORID
432013	W	EPA-MW-9A	01/14/2004 16:30	01/29/2004 17:00	RSK175	
432014	W	ST-MW-17	01/14/2004 9:45	01/29/2004 17:00	RSK175	
432014	W	ST-MW-17	01/14/2004 9:45	01/29/2004 17:00	300.0W	NITRATE, SULFATE, CHLORID
432015	W	ST-MW-12	01/14/2004 12:30	01/29/2004 17:00	300.0W	NITRATE, SULFATE, CHLORID
432015	W	ST-MW-12	01/14/2004 12:30	01/29/2004 17:00	RSK175	
432016	W	ST-MW-20	01/14/2004 15:00	01/29/2004 17:00	300.0W	NITRATE, SULFATE, CHLORID
432016	W	ST-MW-20	01/14/2004 15:00	01/29/2004 17:00	RSK175	

Analytical Management Laboratories - Sample Status and Receipt Report

AML Project Number 4320 Client AML ID Earth Tech
AML Profile Number 2410 Client Project ID Stanton Cleaners LTRA GW Sam.

AML Sample	Matrix	Client Sample ID	Date Collected	Projected Due Date	Procedure	Comments
432017	W	EPA-MW-30	01/14/2004 16:45	01/29/2004 17:00	RSK175	
432017	W	EPA-MW-30	01/14/2004 16:45	01/29/2004 17:00	300.0W	NITRATE, SULFATE, CHLORID



ical Management Laboratories,

AML - Sample Condition Upon Receipt Report

Client ID: Earth Tech
Project ID: Stanton Cleaners LTRA GW Sam.

AML Work Order Number: 4320
Cooler ID: _____

Delivery Method

Delivery Method: Courier
Courier ID: Federal Express

Name of Person Receiving Samples: RS
Airbill Number: 842135663842

Custody Seals

Were Custody Seals Present? ☒
Were Custody Seals Intact? ☒
Number of Custody Seals: 1

Cooler Opened By: NS
Date Opened: 1/14/04

Coolant / Temperature

Type of Coolant Used: Ice
Temperature Taken From: Temperature Blank

Temperature of Cooler: 3

Chain of Custody

Was Chain of Custody filled out properly? ☒

Do Chain of Custody and Sample
Labels agree? ☒

Comments

Type of Packing Used? Bubble Wrap

Were all sample labels complete? ☒ Were all bottles sealed in separate plastic bags? ☒
Were correct preservatives added to the samples? ☒ Did all the bottles arrive unbroken? ☒
Were air bubbles absent in VOA samples? ☒ N/A ☐ Was a sufficient amount of sample sent for analysis? ☒
Was project manager contacted about any "out of control" issues? ☐

EDD (if applicable) Type: _____

☐ None ☐ ERPMS ☐ Excel
☐ ITEMS ☒ Access 97 ☐ Access 2000

Samples Received by: NS Project Manager Review: _____

Date: 1/15/04

Date: _____



ical Management Laboratories,

AML - Sample Condition Upon Receipt Report

Client ID: Earth Tech

AML Work Order Number: 4320

Project ID: Stanton Cleaners LTRA GW Sam.

Cooler ID: 2

Delivery Method

Delivery Method: Courier

Name of Person Receiving Samples: NS

Courier ID: Federal Express

Airbill Number: 842135658810

Custody Seals

Were Custody Seals Present? ☒

Cooler Opened By: NS

Were Custody Seals Intact? ☒

Date Opened: 1/15/04

Number of Custody Seals: 1

Coolant / Temperature

Type of Coolant Used: Ice

Temperature of Cooler: 2.1

Temperature Taken From: Temperature Blank

Chain of Custody

Was Chain of Custody filled out properly? ☒

Do Chain of Custody and Sample Labels agree? ☒

Comments

Type of Packing Used? Bubble Wrap

Were all sample labels complete? ☒

Were all bottles sealed in separate plastic bags? ☒

Were correct preservatives added to the samples? ☒

Did all the bottles arrive unbroken? ☒

Were air bubbles absent in VOA samples? ☒ N/A ☐

Was a sufficient amount of sample sent for analysis? ☒

Was project manager contacted about any "out of control" issues? ☐

EDD (if applicable) Type: _____

☐ None

☐ ERPMS

☐ Excel

☐ ITEMS

☒ Access 97

☐ Access 2000

Samples Received by: NS

Project Manager Review: _____

Date: 1/15/04

Date: _____

FedEx Express
USA Airbill

Form
1200

842135558810

1 From
Date
1/14/01

Sender's
Name
E. J. H. Inc.
Phone
716 406 8637

Company
E. J. H. Inc.

Address
100 E. Main St.
Buffalo, NY 14201

City
Buffalo, NY
State
NY
ZIP
14201

2 Your Internal Billing Reference
55881001

3 To
Recipient's
Name
E. J. H. Inc.
Phone
716 406 8637

Company
E. J. H. Inc.

Address
100 E. Main St.
Buffalo, NY 14201

City
Buffalo, NY
State
NY
ZIP
14201



842135558810

0200

4a Express Package Service
Packages up to 150 lbs.
Delivery commitment may be later in some areas.
Exempt from business morning delivery to select locations.

☒ Next business morning
☐ Next business afternoon
☐ Next business day
☐ FedEx Standard Overnight
☐ FedEx First Overnight

4b Express Freight Service
Packages over 150 lbs.
Delivery commitment may be later in some areas.

☐ FedEx 1Day Freight
☐ Next business day
☐ Second business day
☐ Third business day
☐ FedEx 2Day Freight
☐ Second business day
☐ Third business day
☐ FedEx 3Day Freight
☐ Third business day

5 Packaging
Declared value limit \$500
☐ FedEx Envelope*
☐ Includes FedEx Small Pak, FedEx Large Pak and FedEx Surety Pak
☒ Other

6 Special Handling
Include FedEx address in Section 3.
☐ HOLD Weekday
Not available for FedEx Priority Overnight or FedEx Location at FedEx location.
☐ HOLD Saturday
Available only for FedEx Priority Overnight and FedEx Location at FedEx location.

Does the shipment contain dangerous goods?
The box must be checked.
☐ No
☒ Yes
Shipper's Declaration not required
Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment Bill To:
Enter FedEx Account No. or Credit Card No. below.
☐ Sender
Account No. in Section 3
☐ Recipient
Third Party
☐ Credit Card
☐ Cash/Check
Account No.
Cargo Aircraft Only
Dry Ice
Dry Ice 2, UN 1845
Dry Ice 3, UN 1845

8 Release Signature
Sign to authorize delivery without obtaining signature.
Total Packages
Total Declared Value
Total Charges
Credit Card Acct.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.
Questions? Visit our Web site at FedEx.com.
or call 1.800.Go.FedEx or 800.463.3338.
New law 10/01 - Print #157611-0 (1/99-2001) FedEx - Printed in U.S.A. WCSL 03

446

MEE Field Sample Data

Batch 1010

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: EPA-MW-33
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432001
Date Collected: 1/13/04 Time: 9:05
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/14/04 10:25:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	ML
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: EPA-MW-31
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432002
Date Collected: 1/13/04 Time: 15:05
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/14/04 10:25:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	ML
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane	105	µg/l		1.5	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

0022

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: EPA-MW-31D
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432003
Date Collected: 1/13/04 Time: 15:05
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/14/04 10:25:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane	55.4	µg/l		1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: CL-4S
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432004
Date Collected: 1/13/04 Time: 11:50
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/14/04 10:25:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	ML
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: CL-4D
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432005
Date Collected: 1/13/04 Time: 12:55
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/14/04 10:25:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		$\mu\text{g/l}$	U	1.5	10
74-85-1	Ethene		$\mu\text{g/l}$	U	1.5	10
74-82-8	Methane		$\mu\text{g/l}$	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: CL-1S
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432006
Date Collected: 1/13/04 Time: 8:45
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/14/04 10:25:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		$\mu\text{g/l}$	U	1.5	10
74-85-1	Ethene		$\mu\text{g/l}$	U	1.5	10
74-82-8	Methane		$\mu\text{g/l}$	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: CL-1D
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432007
Date Collected: 1/13/04 Time: 10:30
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/14/04 10:25:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: CL-3
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432008
Date Collected: 1/13/04 Time: 12:45
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/14/04 10:25:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V58908
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: EPA-MW-29
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432009
Date Collected: 1/13/04 Time: 15:45
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/14/04 10:25:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MDL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: EPA-MW-11D
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432010
Date Collected: 1/14/04 Time: 9:00
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/15/04 9:50:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		$\mu\text{g/l}$	U	1.5	10
74-85-1	Ethene		$\mu\text{g/l}$	U	1.5	10
74-82-8	Methane		$\mu\text{g/l}$	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: ST-MW-11
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432011
Date Collected: 1/14/04 Time: 11:30
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/15/04 9:50:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: EPA-MW-32
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432012
Date Collected: 1/14/04 Time: 14:40
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/15/04 9:50:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	ML
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: EPA-MW-9A
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432013
Date Collected: 1/14/04 Time: 16:30
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/15/04 9:50:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		$\mu\text{g/l}$	U	1.5	10
74-85-1	Ethene		$\mu\text{g/l}$	U	1.5	10
74-82-8	Methane		$\mu\text{g/l}$	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: ST-MW-17
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432014
Date Collected: 1/14/04 Time: 9:45
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/15/04 9:50:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: ST-MW-12
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432015
Date Collected: 1/14/04 Time: 12:30
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/15/04 9:50:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: ST-MW-20
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432016
Date Collected: 1/14/04 Time: 15:00
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/15/04 9:50:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	ML
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: EPA-MW-30
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432017
Date Collected: 1/14/04 Time: 16:45
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/15/04 9:50:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

Anions Field Sample Data

Batch 1183

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-33
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432001
Date Collected: 1/13/04 Time: 9:05
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	4.68	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	44.7	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-31
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432002
Date Collected: 1/13/04 Time: 15:05
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	1.01	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	28.5	mg/l		0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: Earth Tech
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. _____
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: EPA-MW-31D
 Project ID Stanton Cleaners LTRA GW Sam.
 Project Num 4320
 Lab Sample ID: 432003
 Date Collected: 1/13/04 Time: 15:05
 Date Received: 1/14/04 10:25:00 AM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	0.968	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	27.2	mg/l		0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: CL-4S
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432004
Date Collected: 1/13/04 Time: 11:50
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	2.43	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	41.9	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: CL-4D
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432005
Date Collected: 1/13/04 Time: 12:55
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	2.5	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	10.9	mg/l		0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: CL-1S
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432006
Date Collected: 1/13/04 Time: 8:45
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	3.21	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	49.2	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: CL-1D
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432007
Date Collected: 1/13/04 Time: 10:30
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	3.32	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	48.4	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: CL-3
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432008
Date Collected: 1/13/04 Time: 12:45
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	2.84	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	34.2	mg/l		0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-29
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432009
Date Collected: 1/13/04 Time: 15:45
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	0.877	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	5.96	mg/l		0.2	1	1

Anions Field Sample Data

Batch 1185

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-11D
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432010
Date Collected: 1/14/04 Time: 9:00
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/15/04	1185	5818	Chloride	119	mg/l	E	0.1	0.5	1
1/15/04	1185	5818	Nitrate	2.72	mg/l		0.045	0.226	1
1/15/04	1185	5818	Sulfate	40.7	mg/l		0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-11
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432011
Date Collected: 1/14/04 Time: 11:30
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/15/04	1185	5818	Chloride	72.6	mg/l	E	0.1	0.5	1
1/15/04	1185	5818	Nitrate	3.11	mg/l		0.045	0.226	1
1/15/04	1185	5818	Sulfate	64.7	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-32
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432012
Date Collected: 1/14/04 Time: 14:40
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/15/04	1185	5818	Chloride	13.7	mg/l		0.1	0.5	1
1/15/04	1185	5818	Nitrate	2.76	mg/l		0.045	0.226	1
1/15/04	1185	5818	Sulfate	24.5	mg/l		0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-9A
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432013
Date Collected: 1/14/04 Time: 16:30
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/15/04	1185	5818	Chloride	69.9	mg/l	E	0.1	0.5	1
1/15/04	1185	5818	Nitrate	2.01	mg/l		0.045	0.226	1
1/15/04	1185	5818	Sulfate	60.3	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-17
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432014
Date Collected: 1/14/04 Time: 9:45
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/15/04	1185	5818	Chloride	126	mg/l	E	0.1	0.5	1
1/15/04	1185	5818	Nitrate	3.32	mg/l		0.045	0.226	1
1/15/04	1185	5818	Sulfate	45.9	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: Earth Tech
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. _____
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: ST-MW-12
 Project ID Stanton Cleaners LTRA GW Sam.
 Project Num 4320
 Lab Sample ID: 432015
 Date Collected: 1/14/04 Time: 12:30
 Date Received: 1/15/04 9:50:00 AM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/15/04	1185	5818	Chloride	142	mg/l	E	0.2	1	2
1/15/04	1185	5818	Nitrate	17	mg/l		0.09	0.452	2
1/15/04	1185	5818	Sulfate	66.5	mg/l	E	0.4	2	2

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: <u>Analytical Managment Laboratories</u>	Sample ID: <u>ST-MW-20</u>
Client ID: <u>Earth Tech</u>	Project ID: <u>Stanton Cleaners LTRA GW Sam.</u>
Matrix: <u>W</u>	Project Num: <u>4320</u>
Sample g/ml: <u>1</u>	Lab Sample ID: <u>432016</u>
% Solids: not dec. _____	Date Collected: <u>1/14/04</u> Time: <u>15:00</u>
Instrument ID: <u>LD120</u>	Date Received: <u>1/15/04 9:50:00 AM</u>
Injection Volume: <u>1</u> (mL)	Analytical Method: <u>EPA 300.0</u>

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/15/04	1185	5818	Chloride	130	mg/l	E	0.1	0.5	1
1/15/04	1185	5818	Nitrate	2.79	mg/l		0.045	0.226	1
1/15/04	1185	5818	Sulfate	61	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: Earth Tech
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. _____
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: EPA-MW-30
 Project ID Stanton Cleaners LTRA GW Sam.
 Project Num 4320
 Lab Sample ID: 432017
 Date Collected: 1/14/04 Time: 16:45
 Date Received: 1/15/04 9:50:00 AM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/15/04	1185	5818	Chloride	16.7	mg/l		0.1	0.5	1
1/15/04	1185	5818	Nitrate	2.33	mg/l		0.045	0.226	1
1/15/04	1185	5818	Sulfate	23.6	mg/l		0.2	1	1

Anions Field Sample Data

Batch 1190

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: <u>Analytical Managment Laboratories</u>	Sample ID: <u>EPA-MW-33</u>
Client ID: <u>Earth Tech</u>	Project ID <u>Stanton Cleaners LTRA GW Sam.</u>
Matrix: <u>W</u>	Project Num <u>4320</u>
Sample g/ml: <u>1</u>	Lab Sample ID: <u>432001</u>
% Solids: not dec. <u></u>	Date Collected: <u>1/13/04</u> Time: <u>9:05</u>
Instrument ID <u>LD120</u>	Date Received: <u>1/14/04 10:25:00 AM</u>
Injection Volume: <u>1</u> (mL)	Analytical Method: <u>EPA 300.0</u>

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	58.7	mg/l		0.5	2.5	5
1/22/04	1190	5944	Sulfate	40.9	mg/l		1	5	5

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-31
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432002
Date Collected: 1/13/04 Time: 15:05
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	85.4	mg/l		1	5	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-31D
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432003
Date Collected: 1/13/04 Time: 15:05
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	85.1	mg/l		1	5	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: CL-4S
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432004
Date Collected: 1/13/04 Time: 11:50
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	38.5	mg/l		0.2	1	2
1/22/04	1190	5944	Sulfate	41.6	mg/l		0.4	2	2

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: <u>Analytical Managment Laboratories</u>	Sample ID: <u>CL-4D</u>
Client ID: <u>Earth Tech</u>	Project ID: <u>Stanton Cleaners LTRA GW Sam.</u>
Matrix: <u>W</u>	Project Num: <u>4320</u>
Sample g/ml: <u>1</u>	Lab Sample ID: <u>432005</u>
% Solids: not dec. _____	Date Collected: <u>1/13/04</u> Time: <u>12:55</u>
Instrument ID: <u>LD120</u>	Date Received: <u>1/14/04 10:25:00 AM</u>
Injection Volume: <u>1</u> (mL)	Analytical Method: <u>EPA 300.0</u>

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	12.6	mg/l		0.1	0.5	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: CL-1S
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432006
Date Collected: 1/13/04 Time: 8:45
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	65.7	mg/l		0.5	2.5	5
1/22/04	1190	5944	Sulfate	45.1	mg/l		1	5	5

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: CL-1D
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432007
Date Collected: 1/13/04 Time: 10:30
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	95.6	mg/l		1	5	10
1/22/04	1190	5944	Sulfate	44.7	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: CL-3
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432008
Date Collected: 1/13/04 Time: 12:45
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	32	mg/l		0.5	2.5	5

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-29
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432009
Date Collected: 1/13/04 Time: 15:45
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	6.23	mg/l		0.1	0.5	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-11D
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432010
Date Collected: 1/14/04 Time: 9:00
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MLL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	100	mg/l		0.5	2.5	5

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: Earth Tech
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. _____
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: ST-MW-11
 Project ID Stanton Cleaners LTRA GW Sam.
 Project Num 4320
 Lab Sample ID: 432011
 Date Collected: 1/14/04 Time: 11:30
 Date Received: 1/15/04 9:50:00 AM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MLL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	60.4	mg/l		0.5	2.5	5
1/22/04	1190	5944	Sulfate	54.8	mg/l		1	5	5

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-9A
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432013
Date Collected: 1/14/04 Time: 16:30
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	57.8	mg/l		0.5	2.5	5
1/22/04	1190	5944	Sulfate	50.7	mg/l		1	5	5

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-17
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432014
Date Collected: 1/14/04 Time: 9:45
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	97.1	mg/l		1	5	10
1/22/04	1190	5944	Sulfate	40.5	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: <u>Analytical Managment Laboratories</u>	Sample ID: <u>ST-MW-12</u>
Client ID: <u>Earth Tech</u>	Project ID: <u>Stanton Cleaners LTRA GW Sam.</u>
Matrix: <u>W</u>	Project Num: <u>4320</u>
Sample g/ml: <u>1</u>	Lab Sample ID: <u>432015</u>
% Solids: not dec. _____	Date Collected: <u>1/14/04</u> Time: <u>12:30</u>
Instrument ID: <u>LD120</u>	Date Received: <u>1/15/04 9:50:00 AM</u>
Injection Volume: <u>1</u> (mL)	Analytical Method: <u>EPA 300.0</u>

Date Analyzed	Analytical Batch	Prep Batch	COMPOUND	RESULT	Units	Q	LLR	MQL	DF
1/22/04	1190	5944	Chloride	117	mg/l		1	5	10
1/22/04	1190	5944	Sulfate	60.4	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-20
Project ID Stanton Cleaners LTRA GW Sam.
Project Num 4320
Lab Sample ID: 432016
Date Collected: 1/14/04 Time: 15:00
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	99.7	mg/l		1	5	10
1/22/04	1190	5944	Sulfate	51.2	mg/l		2	10	10

MEE QAQC Sample Data

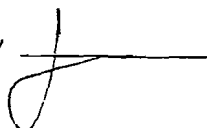
Batch 1010

Quality Control Association Form

Lab Name Analytical Management Laboratories Fraction SPEC

Analytical Batch	Prep Batch	Date Analyzed	Date Prepared	Lab Sample ID	Original Sample	Sample Type	Project Number
1010	5871	1/20/04	1/20/04	15204		MB	
1010	5871	1/20/04	1/20/04	15262		LCS	
1010	5871	1/20/04	1/20/04	15263		LCSD	
1010	5871	1/20/04	1/20/04	15264	432012	MS	
1010	5871	1/20/04	1/20/04	15265	432012	MSD	
1010	5871	1/20/04	1/20/04	432001		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432002		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432003		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432004		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432005		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432006		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432007		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432008		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432009		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432010		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432011		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432012		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432013		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432014		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432015		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432016		SAMPLE	4320
1010	5871	1/20/04	1/20/04	432017		SAMPLE	4320

Batch Reviewed by



Date Reviewed

1/21/04

Date Printed

Wednesday, January 21, 2004

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: MB for HBN 5871 [SPEC/1010]
Project ID _____
Project Num _____
Lab Sample ID: 15204
Date Collected: _____ Time: _____
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/20/04 11:23:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: LCS for HBN 5871 [SPEC/1010]
Project ID _____
Project Num _____
Lab Sample ID: 15262
Date Collected: _____ Time: _____
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/20/04 11:35:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane	36	µg/l		1.5	10
74-85-1	Ethene	44	µg/l		1.5	10
74-82-8	Methane	30	µg/l		1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: LCSD for HBN 5871 [SPEC/1010]
Project ID _____
Project Num _____
Lab Sample ID: 15263
Date Collected: _____ Time: _____
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/20/04 12:36:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane	30	µg/l		1.5	10
74-85-1	Ethene	39	µg/l		1.5	10
74-82-8	Methane	26	µg/l		1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: EPA-MW-32(432012MS)
Project ID _____
Project Num _____
Lab Sample ID: 15264
Date Collected: 1/14/04 Time: 14:40
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/15/04 9:50:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane	33	µg/l		1.5	10
74-85-1	Ethene	39	µg/l		1.5	10
74-82-8	Methane	29	µg/l		1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 44
% Solids: not dec.
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1010

Sample ID: EPA-MW-32(432012MSD)
Project ID _____
Project Num _____
Lab Sample ID: 15265
Date Collected: 1/14/04 Time: 14:40
Dilution Factor: 1
Date Analyzed: 1/20/04
Date Received: 1/15/04 9:50:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane	33	µg/l		1.5	10
74-85-1	Ethene	39	µg/l		1.5	10
74-82-8	Methane	29	µg/l		1.5	10

Laboratory Control Sample (LCS) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1010

Fraction SPEC

Prep Batch 5871

Matrix W

Lab Sample ID for LCS: 15262

Analyte	SPIKE ADDED	LCS Amount	%REC	QC FLAG	% REC QC. LIMITS	
					LCL	UCL
Ethane	48.8	36	73.8		50	150
Ethene	59.3	44	74.2		50	150
Methane	33	30	90.9		50	150

Total Number of Analytes: 3

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

Laboratory Control Sample Duplicate (LCSD) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1010

Fraction SPEC

Prep Batch 5871

Matrix W

Lab Sample ID for LCSD: 15263

Analyte	SPIKE ADDED	LCSD Amount	%REC	QC FLAG	%REC QC. LIMITS LCL UCL	LCS/LCSD RPD
Ethane	48.8	30	61.5		50 150	18.2
Ethene	59.3	39	65.8		50 150	12
Methane	33	26	78.8		50 150	14.3

Total Number of Analytes: 3

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

Matrix Spike (MS) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1010

Fraction SPEC

Prep Batch 5871

Matrix W

Original Sample ID: 432012

Lab Sample ID for MS: 15264

COMPOUND	Original Amount	SPIKE ADDED	MS Amount	%REC	QC FLAG	%REC QC. LIMITS	
						LCL	UCL
Ethane	0	48.8	33	67.6		50	150
Ethene	0	59.3	39	65.8		50	150
Methane	0	33	29	87.9		50	150

Total Number of Analytes: 3

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

Matrix Spike Duplicate (MSD) Summary Sheet

Lab Name: Analytical Managment Laboratories

Analytical Batch 1010

Fraction SPEC

Prep Batch 5871

Matrix W

Original Sample ID: 432012

Lab Sample ID for MSD: 15265

COMPOUND	Original Amount	SPIKE ADDED	MSD Amount	%REC	QC FLAG	MS/MSD RPD	RPD FLAG	%REC QC. LIMITS		
								LCL	UCL	RPD
Ethane	0	48.8	33	67.6		0		50	150	50
Ethene	0	59.3	39	65.8		0		50	150	50
Methane	0	33	29	87.9		0		50	150	50

Total Number of Analytes: 3

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

Anions QAQC Sample Data

Batch 1183

Quality Control Association Form

Lab Name Analytical Management Laboratories Fraction IC

Analytical Batch	Prep Batch	Date Analyzed	Date Prepared	Lab Sample ID	Original Sample	Sample Type	Project Number
1183	5806	1/14/04	1/14/04	15125		MB	
1183	5806	1/14/04	1/14/04	15126		LCS	
1183	5806	1/14/04	1/14/04	15127		LCSD	
1183	5806	1/14/04	1/14/04	15128	432001	MS	
1183	5806	1/14/04	1/14/04	15129	432001	MSD	
1183	5806	1/14/04	1/14/04	431901		SAMPLE	4319
1183	5806	1/14/04	1/14/04	431902		SAMPLE	4319
1183	5806	1/14/04	1/14/04	431903		SAMPLE	4319
1183	5806	1/14/04	1/14/04	431904		SAMPLE	4319
1183	5806	1/14/04	1/14/04	432001		SAMPLE	4320
1183	5806	1/14/04	1/14/04	432002		SAMPLE	4320
1183	5806	1/14/04	1/14/04	432003		SAMPLE	4320
1183	5806	1/14/04	1/14/04	432004		SAMPLE	4320
1183	5806	1/14/04	1/14/04	432005		SAMPLE	4320
1183	5806	1/14/04	1/14/04	432006		SAMPLE	4320
1183	5806	1/14/04	1/14/04	432007		SAMPLE	4320
1183	5806	1/14/04	1/14/04	432008		SAMPLE	4320
1183	5806	1/14/04	1/14/04	432009		SAMPLE	4320

Batch Reviewed by

JMS

Date Reviewed

1/23/04

Date Printed

Friday, January 23, 2004

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. 100
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: MB for HBN 5806 [IC/1183]
Project ID _____
Project Num _____
Lab Sample ID: 15125
Date Collected: _____ Time: _____
Date Received: 1/14/04 3:00:00 PM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate		mg/l	U	0.045	0.226	1
1/14/04	1183	5806	Sulfate		mg/l	U	0.2	1	1

Laboratory Control Sample (LCS) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1183

Fraction IC

Prep Batch 5806

Matrix W

Lab Sample ID for LCS: 15126

Analyte	SPIKE ADDED	LCS Amount	%REC	QC FLAG	% REC QC. LIMITS	
					LCL	UCL
Nitrate	4.52	4.04	89.4		80	120
Sulfate	20.00	18.10	90.7		80	120

Total Number of Analytes: 2

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. 100
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: LCS for HBN 5806 [IC/1183]
Project ID _____
Project Num _____
Lab Sample ID: 15126
Date Collected: _____ Time: _____
Date Received: 1/14/04 3:00:00 PM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	4.04	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	18.1	mg/l		0.2	1	1

Laboratory Control Sample Duplicate (LCSD) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1183

Fraction IC

Prep Batch 5806

Matrix W

Lab Sample ID for LCSD: 15127

<i>Analyte</i>	<i>SPIKE ADDED</i>	<i>LCSD Amount</i>	<i>%REC</i>	<i>QC FLAG</i>	<i>%REC QC. LCL</i>	<i>LIMITS UCL</i>	<i>LCS/LCSD RPD</i>
Nitrate	4.52	4.05	89.6		80	120	0.148
Sulfate	20.00	18.00	90.2		80	120	0.498

Total Number of Analytes: 2

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: QC ACCOUNT
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. 100
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: LCSD for HBN 5806 [IC/1183]
 Project ID _____
 Project Num _____
 Lab Sample ID: 15127
 Date Collected: _____ Time: _____
 Date Received: 1/14/04 3:00:00 PM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	4.05	mg/l		0.045	0.226	1
1/14/04	1183	5806	Sulfate	18	mg/l		0.2	1	1

3 - Equivalent
IC ANALYSIS DATA SHEET / Matrix Spike Summary Sheet

Lab Name: Analytical Managment Laboratories

Analytical Batch 1183

Fraction IC

Prep Batch 5806

Orig HSN : 432001 MS HSN : 15128 MSD HSN : 15129

COMPOUND	Original Amount	SPIKE ADDE	MS Amount	MS % REC #	MS % REC# FLAG	SPIKE ADDED	MSD Amount	MSD % REC #	MSD% REC# FLAG	RPD RPD	RPD FLAG	QC. LIMITS		
												LCL	UCL	RPD
Sulfate	44.722	40	83.4	96.7		40	83.1	96		0.333		80	120	20
Nitrate	4.68	9.04	13.4	96.5		9.04	13.5	97.4		0.58		80	120	20

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-33(432001MS)
Project ID _____
Project Num _____
Lab Sample ID: 15128
Date Collected: 1/13/04 Time: 9:05
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	13.4	mg/l		0.09	0.452	2
1/14/04	1183	5806	Sulfate	83.4	mg/l	E	0.4	2	2

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-33(432001MSD)
Project ID _____
Project Num _____
Lab Sample ID: 15129
Date Collected: 1/13/04 Time: 9:05
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/14/04	1183	5806	Nitrate	13.5	mg/l		0.09	0.452	2
1/14/04	1183	5806	Sulfate	83.1	mg/l	E	0.4	2	2

Anions QAQC Sample Data

Batch 1185

Quality Control Association Form

Lab Name Analytical Management Laboratories Fraction IC

Analytical Batch	Prep Batch	Date Analyzed	Date Prepared	Lab Sample ID	Original Sample	Sample Type	Project Number
1185	5818	1/15/04	1/15/04	15153		MB	
1185	5818	1/15/04	1/15/04	15154		LCS	
1185	5818	1/15/04	1/15/04	15155		LCSD	
1185	5818	1/15/04	1/15/04	15156	432012	MS	
1185	5818	1/15/04	1/15/04	15157	432012	MSD	
1185	5818	1/15/04	1/15/04	431905		SAMPLE	4319
1185	5818	1/15/04	1/15/04	431906		SAMPLE	4319
1185	5818	1/15/04	1/15/04	431907		SAMPLE	4319
1185	5818	1/15/04	1/15/04	431908		SAMPLE	4319
1185	5818	1/15/04	1/15/04	432010		SAMPLE	4320
1185	5818	1/15/04	1/15/04	432011		SAMPLE	4320
1185	5818	1/15/04	1/15/04	432012		SAMPLE	4320
1185	5818	1/15/04	1/15/04	432013		SAMPLE	4320
1185	5818	1/15/04	1/15/04	432014		SAMPLE	4320
1185	5818	1/15/04	1/15/04	432015		SAMPLE	4320
1185	5818	1/15/04	1/15/04	432016		SAMPLE	4320
1185	5818	1/15/04	1/15/04	432017		SAMPLE	4320

Batch Reviewed by JMB Date Reviewed 1/23/04 Date Printed Friday, January 23, 2004

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: QC ACCOUNT
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. 100
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: MB for HBN 5818 [IC/1185]
 Project ID _____
 Project Num _____
 Lab Sample ID: 15153
 Date Collected: _____ Time: _____
 Date Received: 1/15/04 4:40:00 PM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/15/04	1185	5818	Chloride		mg/l	U	0.1	0.5	1
1/15/04	1185	5818	Nitrate		mg/l	U	0.045	0.226	1
1/15/04	1185	5818	Sulfate		mg/l	U	0.2	1	1

Laboratory Control Sample (LCS) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1185

Fraction IC

Prep Batch 5818

Matrix W

Lab Sample ID for LCS: 15154

<i>Analyte</i>	<i>SPIKE</i>	<i>LCS</i>	<i>%REC</i>	<i>QC</i> <i>FLAG</i>	<i>% REC QC. LIMITS</i>	
	<i>ADDED</i>	<i>Amount</i>			<i>LCL</i>	<i>UCL</i>
Chloride	10.00	9.42	94.2		80	120
Nitrate	4.52	4.16	92		80	120
Sulfate	20.00	18.80	93.9		80	120

Total Number of Analytes: 3

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exeedences: 0

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: QC ACCOUNT
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. 100
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: LCS for HBN 5818 [IC/1185]
 Project ID _____
 Project Num _____
 Lab Sample ID: 15154
 Date Collected: _____ Time: _____
 Date Received: 1/15/04 4:40:00 PM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/15/04	1185	5818	Chloride	9.42	mg/l		0.1	0.5	1
1/15/04	1185	5818	Nitrate	4.16	mg/l		0.045	0.226	1
1/15/04	1185	5818	Sulfate	18.8	mg/l		0.2	1	1

Laboratory Control Sample Duplicate (LCSD) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1185

Fraction IC

Prep Batch 5818

Matrix W

Lab Sample ID for LCSD: 15155

<i>Analyte</i>	<i>SPIKE ADDED</i>	<i>LCSD Amount</i>	<i>%REC</i>	<i>QC FLAG</i>	<i>%REC QC. LIMITS</i>	<i>LCS/LCSD RPD</i>
					<i>LCL</i> <i>UCL</i>	
Chloride	10.00	9.40	94		80 120	0.287
Nitrate	4.52	4.15	91.9		80 120	0.144
Sulfate	20.00	18.80	93.9		80 120	0.016

Total Number of Analytes: 3

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

1 - Equivalent

Lab Name: Analytical Management Laboratories

Client ID: QC ACCOUNT

Matrix: W

Sample g/ml: 1

% Solids: not dec.	100
--------------------	-----

Instrument ID LD120

Injection Volume: 1 (mL)

Sample ID: LCSD for HBN 5818 [IC/1185]

Project ID

Project Num

Lab Sample ID: 15155

Date Collected: _____ Time: _____

Date Received: 1/15/04 4:40:00 PM

Analytical Method: EPA 300.0

Date Analyzed	Analytical Batch	Prep Batch	COMPOUND	RESULT	Units	Q	LLR	MQL	DF
1/15/04	1185	5818	Chloride	9.4	mg/l		0.1	0.5	1
1/15/04	1185	5818	Nitrate	4.15	mg/l		0.045	0.226	1
1/15/04	1185	5818	Sulfate	18.8	mg/l		0.2	1	1

3 - Equivalent
IC ANALYSIS DATA SHEET / Matrix Spike Summary Sheet

Lab Name: Analytical Management Laboratories

Analytical Batch 1185

Fraction IC

Prep Batch 5818

Orig HSN: 432012 MS HSN: 15156 MSD HSN: 15157

COMPOUND	Original Amount	SPIKE ADDE	MS Amount	MS % REC #	MS % REC# FLAG	SPIKE ADDED	MSD Amount	MSD % REC #	MSD% REC# FLAG	RPD RPD	RPD FLAG	QC. LIMITS		
												LCL	UCL	RPD
Sulfate	24.455	40	64.4	99.9		40	64.9	101		0.764		80	120	20
Nitrate	2.757	9.04	11.5	97.2		9.04	11.7	99.4		1.64		80	120	20
Chloride	13.737	20	33.7	99.7		20	33.9	101		0.548		80	120	20

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-32(432012MS)
Project ID: _____
Project Num: _____
Lab Sample ID: 15156
Date Collected: 1/14/04 Time: 14:40
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/15/04	1185	5818	Chloride	33.7	mg/l		0.2	1	2
1/15/04	1185	5818	Nitrate	11.5	mg/l		0.09	0.452	2
1/15/04	1185	5818	Sulfate	64.4	mg/l		0.4	2	2

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-32(432012MSD)
Project ID _____
Project Num _____
Lab Sample ID: 15157
Date Collected: 1/14/04 Time: 14:40
Date Received: 1/15/04 9:50:00 AM
Analytical Method: EPA 300.0

Date Analyzed	Analytical Batch	Prep Batch	COMPOUND	RESULT	Units	Q	LLR	MQL	DF
1/15/04	1185	5818	Chloride	33.9	mg/l		0.2	1	2
1/15/04	1185	5818	Nitrate	11.7	mg/l		0.09	0.452	2
1/15/04	1185	5818	Sulfate	64.9	mg/l		0.4	2	2

Anions QAQC Sample Data

Batch 1190

Quality Control Association Form

Lab Name Analytical Management Laboratories Fraction IC

Analytical Batch	Prep Batch	Date Analyzed	Date Prepared	Lab Sample ID	Original Sample	Sample Type	Project Number
1190	5944	1/22/04	1/22/04	15344		MB	
1190	5944	1/22/04	1/22/04	15345		LCS	
1190	5944	1/22/04	1/22/04	15346		LCSD	
1190	5944	1/22/04	1/22/04	15347	432001	MS	
1190	5944	1/22/04	1/22/04	15348	432001	MSD	
1190	5944	1/22/04	1/22/04	432001		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432002		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432003		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432004		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432005		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432006		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432007		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432008		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432009		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432010		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432011		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432013		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432014		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432015		SAMPLE	4320
1190	5944	1/22/04	1/22/04	432016		SAMPLE	4320

Batch Reviewed by

JMG

Date Reviewed

1/23/04 ^{JB}

Date Printed

Friday, January 23, 2004

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: QC ACCOUNT
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. 100
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: MB for HBN 5944 [IC/1190]
 Project ID: _____
 Project Num: _____
 Lab Sample ID: 15344
 Date Collected: _____ Time: _____
 Date Received: 1/22/04 11:50:00 AM
 Analytical Method: EPA 300.0

Date Analyzed	Analytical Batch	Prep Batch	COMPOUND	RESULT	Units	Q	LLR	MQL	DF
1/22/04	1190	5944	Chloride		mg/l	U	0.1	0.5	1
1/22/04	1190	5944	Sulfate		mg/l	U	0.2	1	1

Laboratory Control Sample (LCS) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1190

Fraction IC

Prep Batch 5944

Matrix W

Lab Sample ID for LCS: 15345

<i>Analyte</i>	<i>SPIKE ADDED</i>	<i>LCS Amount</i>	<i>%REC</i>	<i>QC FLAG</i>	<i>% REC QC. LIMITS</i>
					<i>LCL UCL</i>
Chloride	10.00	9.44	94.4		80 120
Sulfate	20.00	19.00	94.8		80 120

Total Number of Analytes: 2

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. 100
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: LCS for HBN 5944 [IC/1190]
Project ID _____
Project Num _____
Lab Sample ID: 15345
Date Collected: _____ Time: _____
Date Received: 1/22/04 11:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MLQ</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	9.44	mg/l		0.1	0.5	1
1/22/04	1190	5944	Sulfate	19	mg/l		0.2	1	1

Laboratory Control Sample Duplicate (LCSD) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1190

Fraction IC

Prep Batch 5944

Matrix W

Lab Sample ID for LCSD: 15346

<i>Analyte</i>	<i>SPIKE ADDED</i>	<i>LCSD Amount</i>	<i>%REC</i>	<i>QC FLAG</i>	<i>%REC QC. LIMITS</i>	<i>LCS/LCSD RPD</i>
					<i>LCL</i> <i>UCL</i>	
Chloride	10.00	9.39	93.9		80 120	0.52
Sulfate	20.00	18.80	94.2		80 120	0.645

Total Number of Analytes: 2

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. 100
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: LCSD for HBN 5944 [IC/1190]
Project ID _____
Project Num _____
Lab Sample ID: 15346
Date Collected: _____ Time: _____
Date Received: 1/22/04 11:50:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	9.39	mg/l		0.1	0.5	1
1/22/04	1190	5944	Sulfate	18.8	mg/l		0.2	1	1

3 - Equivalent
IC ANALYSIS DATA SHEET / Matrix Spike Summary Sheet

Lab Name: Analytical Managment Laboratories

Analytical Batch 1190

Fraction IC

Prep Batch 5944

Orig HSN : 432001 MS HSN : 15347 MSD HSN : 15348

COMPOUND	Original Amount	SPIKE ADDE	MS Amount	MS % REC #	MS % REC# FLAG	SPIKE ADDED	MSD Amount	MSD % REC #	MSD% REC# FLAG	RPD FLAG	QC. LIMITS		
											RPD	LCL	UCL
Sulfate	40.946	200	238	98.5		200	236	97.4		0.942	80	120	20
Chloride	58.727	100	162	103		100	159	101		1.68	80	120	20

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-33(432001MS)
Project ID _____
Project Num _____
Lab Sample ID: 15347
Date Collected: 1/13/04 Time: 9:05
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	162	mg/l		1	5	10
1/22/04	1190	5944	Sulfate	238	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-33(432001MSD)
Project ID _____
Project Num _____
Lab Sample ID: 15348
Date Collected: 1/13/04 Time: 9:05
Date Received: 1/14/04 10:25:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1190	5944	Chloride	159	mg/l		1	5	10
1/22/04	1190	5944	Sulfate	236	mg/l		2	10	10



Certificate of Analysis

January 29, 2004

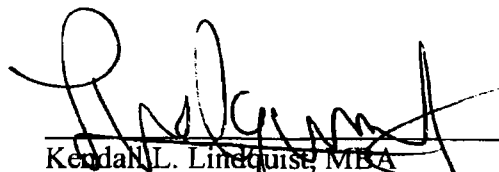
John Huisman
EarthTech Inc.
110 Cuttermill Road
Great Neck, NY 11021
Phone: 516-352-4133

Dear Mr. Huisman:

RE: Stanton LTRA Groundwater Sampling
AML Work Order Number: 4330

Attached, please find the analytical report for the samples collected by EarthTech for the project described above. The laboratory received these samples on January 16, 2004. Problems encountered in the analysis of these samples are documented in the laboratory case narrative. Please feel free to call me at (913) 829-0101 if you have any questions.

Respectfully Submitted,
Analytical Management Laboratories, Inc.



Kendall L. Linequist, MBA
Operations Manager

**Certificate of Analysis
Laboratory Case Narrative**

Client:	EarthTech
Project Name:	Stanton LTRA Groundwater Sampling
Contract/DO No:	70536.04.03.01
Lab Work Order No:	4330

Samples

Cooler receipt form(s) and completed copies of the chain of custody form(s) are included in the Sample Information section.

Reports

The laboratory is in the process of implementing Horizon/Chemware laboratory information system (LIMS) to improve EDD and hardcopy report generation procedures. Under this system, hardcopy reports are actually generated using information contained in a database, which is also used to generate electronic deliverables. This procedure was implemented to assure data integrity between these two media. Consequently, the report formats are undergoing changes and revisions that are necessary to make continuous improvement until they are finalized. The attached report is organized as follows:

Cover Letter

Laboratory Case Narrative

Sample Information

Sample Result Forms, organized in the following order: by fraction and by sample.

QC Summary organized in the following order: by fraction, by matrix and by QC parameter.

The QC Summary for each fraction contains QC parameters in the following order:

QC Association Forms (EPA CLP Form-4 equivalents)

Surrogate Recovery Summary, when applicable (EPA CLP Form-2 equivalents)

Method Blank Results (EPA CLP Form-1 equivalents)

Matrix Spike (MS) and MS duplicate (MSD) Results (EPA CLP Form-1 equivalents)

Laboratory Control Sample (LCS) and LCS duplicate (LCSD, subject to availability) Results (EPA Form-1 equivalents)

Matrix Spike (MS) and MS duplicate (MSD) Recoveries and RPD Summary (EPA CLP Form-3 equivalents)

Laboratory Control Sample (LCS) and LCS duplicate (subject to availability) Recoveries and RPD Summary (EPA Form-3 equivalents)

Sample Result Forms

Sample results are shown on modified CLP Form 1 equivalents with the following qualifiers:

U = Not detected or detected below method detection limit (MDL) or reporting limit (RL).

J = Detected above MDL/RL but below the practical quantitation limit (PQL).

Certificate of Analysis

E = Detected at levels in excess of the upper calibration limit.

R = Rejected due to significant QA outliers.

MDLs, RLs and PQLs have been adjusted for sample volume and dilution.

MDL=Method Detection Limit (Lowest amount that can be reported as positive based on statistical considerations).

LLR = Lowest Level for reporting ($MDL < LLR < MQL$). This is the lowest amount that AML reports as positive on a routine basis. The LLR is typically one half of the MQL in our laboratories. However, it can be as low as the MDL and it equals MDL for some parameters. The center of excellence (CX) at Omaha has been pushing the laboratories to use "RDL or Reliable detection limit" as the equivalent of LLR. However, RDL is defined as two times the MDL, which makes it very difficult for the laboratories to use this term.

MQL=Method Quantitation Limit. It is the lowest point on our calibration curve. It is the equivalent of the reporting limit (RL) and/or practical quantitation limit (PQL) used by most laboratories. The term "Reporting Limit" has become meaningless since the laboratories are required to report results below this limit as an estimated result with a "J" flag).

Multiple sample result forms may be provided for one or more of the following reasons, if in the professional judgment of the laboratory that sample results for a given compound may be more accurate from one of the multiple analyses:

Sample was reanalyzed for surrogate recovery outliers;

Sample was reanalyzed at a dilution;

One of the analyses was performed outside the holding times; and

A replicate analysis was performed for internal QC purposes

QC Association Forms

A list of method blanks, laboratory control samples (LCS), LCS duplicates, (LCSD), if any, matrix spikes (MS, if available), and matrix spike duplicates (MSD, if available) and field samples associated with each QC batch are shown on QC Association Forms, which are CLP Form-4 equivalents. Separate forms are included for each matrix and each fraction. At present, the laboratory is using two tracking numbers for QC batches: numbers based on the manual system, which are recorded in the laboratory notebooks, instruments, etc; and numbers based on the LIMS system. The QC batch numbers shown on these reports are based on LIMS, which is currently in implementation.

Surrogate Recovery Forms (when applicable)

A summary of the system monitoring compound recoveries for project samples is included in this section. Surrogate recoveries for QC analyses (MB, LCS, MS, etc.) are shown in their respective sections. EPA CLP Form 2 equivalents are used to report surrogate recoveries for project samples.

Certificate of Analysis

Method Blank Result Forms

Laboratory method blank samples were analyzed with each QC batch as described in the QC Association Form. Analytical results for method blanks are shown on CLP Form 1 equivalents. They include data for all target compounds/analytes and surrogates. Laboratory policies on corrective action are included in parameter-specific case narratives.

Laboratory Control Sample (LCS) Report Forms

Laboratory control samples were analyzed with each QC batch as described in the QC Association Form. LCS results of these QC analyses are shown in CLP Form 1. LCS recoveries and RPDs for duplicates (if performed) are shown on EPA Form-3 equivalents. Recoveries and relative percent difference (RPDs) for duplicates outside the applicable QC limits are flagged with an asterisk (*). Laboratory policies on corrective action are included in parameter-specific case narratives.

Matrix Spike/Matrix Spike Duplicate Recoveries Report Forms

MS/MSD results are shown in EPA CLP Form-1 equivalents. Recoveries and relative percent difference (RPDs) for duplicates outside the applicable QC limits are flagged with an asterisk (*). They are shown on EPA Form-3 equivalents.

Calibration

Instruments were calibrated in accordance with applicable method. Deviations are shown in parameter-specific case narratives. Copies of initial calibration and calibration verification summaries and associated raw data will be maintained in project files and made available for detailed client review, if necessary.

Test Methods and Holding Times

Analyses were performed within applicable holding times except as noted in parameter-specific case narratives.

Batch-specific Quality Control Procedures

Method blanks and laboratory control samples are used as batch QC elements. Matrix spikes are used as sample specific QC elements at AML. When these QC elements are outside their QC limits, results for all associated samples are evaluated and corrective actions that affect the entire sample set are performed. Laboratory policies on corrective action are included in parameter-specific case narratives.

Certificate of Analysis

Sample-specific Quality Control Procedures

Sample concentrations exceeding the upper calibration limit, surrogate recoveries outside the QC limits, calibration parameters (e.g. ICAL, CALV, ICV, CCV, ICB, CCB, etc.) not within QC limits, etc. are used as sample-specific and/or sample-group specific QC elements for one or more associated samples during instrumental analysis. Serial dilution, standard addition, etc. are used as matrix-specific QC elements for one or more associated samples. When these QC elements are outside their QC limits, associated individual sample results are evaluated and appropriate corrective actions are performed. Laboratory policies and procedures on corrective action are included in parameter-specific case narratives.

Manual Integration

Manual integration operations that have potential to improve accuracy of analysis are performed, as necessary (shown with a "M" flag on raw data) based on visual inspection of peak shapes for each target analyte. Such operations are technically defensible and they are not aimed at meeting the minimum technical requirements of the analytical procedure.

Statement

To the best of our knowledge, this data package is in compliance with the terms and conditions of the contract/purchase order/delivery order, both technically and for completeness, for other than the conditions detailed in this case narrative. The quality assurance manager or his designee, as verified by the signature on the cover letter has authorized release of data contained in this report.

Anions - General

Calibration and sample analyses were performed using IC by SW-846 Method 300.0. Method criteria for instrument calibration and sample analysis were met. Corrective action was attempted in response to QC outliers requiring such action. When corrective action was not successful, data released by the laboratory may require qualifications for usability in accordance with client procedures and project requirements.

Initial Calibration (ICAL - Soil and Water Samples)

A six-point initial calibration was employed. The response factors for the compounds were within method QC limits for the ICAL. Linear regression is used for calibration with a minimum coef of det as 0.995. Acceptable initial calibration was not obtained for the following compounds, which were detected in project samples: None.

Initial Calibration Verification (ICV)

A second source standard was employed for the ICV. The QC recovery limits are 80% to 120%. There is no allowance for any outliers. QC outliers requiring corrective action: None.

Continuing Calibration Verification (CCVs)

A same source standard was employed for the CCV. The calibration check samples were within method QC limits for the CCVs. Acceptable CCVs were not obtained for the following compounds, which were detected in project samples: None.

Method Blanks

No significant anomalies were noted.

Laboratory Control Sample Recoveries

The DoD QSM LCS control and marginal exceedence limits are listed in the LCS/LCSD recovery form. The statistically allowable number of sporadic marginal failures (SMFs) or marginal exceedences (ME) based on the number of target compounds for this method is 0. Expanded SMF QC limits are not applicable. Compounds that may have recoveries outside the QC limits in the LCS may be within the QC limits in the LCSD. QC outliers requiring corrective action: None.

Matrix Spike Recoveries

The QC limits are listed on the MS recovery form. Expanded SMF QC limits are not applicable for this method. Compounds that may have recoveries outside the QC limits in the MS may be within the QC limits in MSD. QC outliers requiring corrective action: None.

Matrix Spike Duplicates

The %RPD for matrix spike duplicate results are calculated to assess precision. The QC limit for soil samples are listed in the MSD recovery form.

QC outliers requiring corrective action: None.

Retention Times

The retention times for the associated samples were within QC limit windows. Retention times were within QC limits for the project samples with the following exception(s):
None.

RSK-175 - General

Calibration and sample analyses were performed using GC/FID by Method RSK-175. Method criteria for instrument calibration and sample analysis were met. Corrective action was attempted in response to QC outliers requiring such action. When corrective action was not successful, data released by the laboratory may require qualifications for usability in accordance with client procedures and project requirements.

Initial Calibration (ICAL - Soil and Water Samples)

A five-point initial calibration was employed. The response factors for the compounds were within method QC limits for the ICAL. Linear regression is used for calibration with a minimum coef of det as 0.995. Acceptable initial calibration was not obtained for the following compounds, which were detected in project samples: None.

Initial Calibration Verification (ICV)

A second source standard was employed for the ICV. The QC recovery limits are 70% to 150%. There is no allowance for any outliers. QC outliers requiring corrective action: None.

Continuing Calibration Verification (CCVs)

A same source standard was employed for the CCV. The calibration check samples were within method QC limits for the CCVs. Acceptable CCVs were not obtained for the following compounds, which were detected in project samples: None.

Method Blanks

No significant anomalies were noted.

Laboratory Control Sample Recoveries

The DoD QSM LCS control and marginal exceedence limits are listed in the LCS/LCSD recovery form. The statistically allowable number of sporadic marginal failures (SMFs) or marginal exceedences (ME) based on the number of target compounds for this method is 0. Expanded SMF QC limits are not applicable. Compounds that may have recoveries outside the QC limits in the LCS may be within the QC limits in the LCSD. QC outliers requiring corrective action: None.

Matrix Spike Recoveries

The QC limits are listed on the MS recovery form. Expanded SMF QC limits are not applicable for this method. Compounds that may have recoveries outside the QC limits in the MS may be within the QC limits in MSD. QC outliers requiring corrective action: None.

Matrix Spike Duplicates

The %RPD for matrix spike duplicate results are calculated to assess precision. The QC limit for soil samples are listed in the MSD recovery form.

QC outliers requiring corrective action: None.

Retention Times

The retention times for the associated samples were within QC limit windows. Retention times were within QC limits for the project samples with the following exception(s): None.

Project Samples

QC Batch:

Sample Information

SDG 4330



Chain of Custody Record / Request for Analysis

Page 1 of 2

Client Contact Name: John Huismann

Company Name: Earth Tech, Inc

Address: 110 Cuthmill Road

City, State, Zip: Great Neck, NY 11021

Phone #: (516) 352-4133

Fax #: _____

Project Name: Statistik LIRA Groundwater Sampling

Project Number: 70536, 04, 03, 01

Purchase Order Number:

Project Due Date:

Project Comments:

Sampler's Signature:**Analyses/Method to be Performed (Check all that apply)**

C	Relinquished By:	<i>[Signature]</i>	Date/Time:	11/5/01	Received By:	<i>[Signature]</i>	Date/Time:	01-16-04
U	Relinquished By:		Date/Time:		Received By:		Date/Time:	07:40am
S	Relinquished By:		Date/Time:		Received By:		Date/Time:	
D	Relinquished By:		Date/Time:		Received By:		Date/Time:	
O	Relinquished By:		Date/Time:		Received By:		Date/Time:	
y	Relinquished By:		Date/Time:		Received By:		Date/Time:	

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method <input type="checkbox"/> Delivered In Person <input checked="" type="checkbox"/> Courier Order #: 824235658751	Custody Seals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Broken	Coolant <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Blue Ice <input type="checkbox"/> None	Cooler Temp. 31.4 °C <input checked="" type="checkbox"/> Temp. Blank <input type="checkbox"/> Cooler	Receiving Comments:
--	--	---	--	----------------------------



Analytical Management Laboratories, Inc.

15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

24671

Page 2 of 2

Chain of Custody Record / Request for Analysis

Client Contact Name: John Huisman
Company Name: Earth Tech, Inc.
Address: 110 Cuthbert Mill Road
City, State, Zip: Great Neck, NY 11021
Phone #: (516) 352-4133
Fax #: ()

Project Name: Stanton LTRA Groundwater SamplingProject Number: 70536.04.03.01Purchase Order Number: Project Due Date: Project Comments: Sampler's Signature: John Huisman

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: <u>4330</u>					Method # --->																Please include any information that may be useful in the analysis of the sample. Example: high concentration								
Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative List total number of bottles for each preservative type.						TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pesticides/PCBs	PCBs	RCRA8 Metals		Lead	Flash Point	Paint Filter	pH	Nitrate, Sulfate, Chloride	Nitrite, Ethanol, Ethene	Comments:	
						HCl	HNO ₃	NaOH	H ₂ SO ₄	Unpreserved	4° C																		
4330-09	EPA-MW-21D	1/15/04	1100	GW	5	3																							B1724
4330-10	ST-MW-06	1/15/04	1645	GW	5	3																							B17X2
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													

C U S T O D Y	Relinquished By: <u>John Huisman</u>	Date/Time: <u>1/15/04 1715</u>	Received By: <u>Fedex</u>	Date/Time: <u> </u>
	Relinquished By: <u> </u>	Date/Time: <u> </u>	Received By: <u> </u>	Date/Time: <u>01-16-04 09:40am</u>

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method <input type="checkbox"/> Delivered in Person <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Airbill #: <u>842135658751</u>	Custody Seals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Broken	Coolant <input checked="" type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None	Cooler Temp. <u>3.4</u> °C <input checked="" type="checkbox"/> Temp. Blank <input type="checkbox"/> Cooler	Receiving Comments: <u> </u>
--	--	---	--	---

0012



Analytical Management Laboratories, Inc.

15130 B South Keeler
Olathe, Kansas 66062
Phone (913) 829-0101
Fax (913) 829-1181

Case # 32512

24674

Page ____ of ____

Chain of Custody Record / Request for Analysis

Client Contact Name: John Huisman
Company Name: Earth Tech, Inc.
Address: 110 Cutter Mill Road
City, State, Zip: Great Neck, NY 11021
Phone #: (516) 466-8637
Fax #: ()

Project Name: Stanton Cleaners LTRA Groundwater
Project Number: 70536.04.03.01
Purchase Order Number:
Project Due Date:
Project Comments:
Sampler's Signature: John Huisman

Analyses/Method to be Performed (Check all that apply)

Laboratory Project Number: <u>4330</u>					Method # --->																Please include any information that may be useful in the analysis of the sample. Example: high concentration					
Lab ID	Sample Description	Date	Time	Matrix	Total # Containers	Preservative List total number of bottles for each preservative type.					TPH Diesel	TPH Gasoline	BTEX	MTBE	Volatiles (VOCs)	BNAs (SVOCs)	Pesticides/PCBs	PCBs	RCRA8 Metals	Lead		Flash Point	Paint Filter	pH	Nitrate, Sulfate, Chloride, Methane, Ethane, Ethanol	Comments:
						HCl	HNO ₃	NaOH	H ₂ SO ₄	Unpreserved																
<u>4330-11</u>	<u>ST-MW-15</u>	<u>1/16/04</u>	<u>0915</u>	<u>GW</u>	<u>5</u>	<u>3</u>				<u>1</u>	<u>1</u>	<u>5</u>												<u>2</u>	<u>3</u>	<u>B17X7</u>
<u>4330-12</u>	<u>ST-MW-13</u>	<u>1/16/04</u>	<u>1120</u>	<u>GW</u>	<u>5</u>	<u>3</u>				<u>1</u>	<u>1</u>	<u>5</u>												<u>2</u>	<u>3</u>	<u>B17X5</u>
<u>4330-13</u>	<u>EPA-MW-26</u>	<u>1/16/04</u>	<u>0900</u>	<u>GW</u>	<u>5</u>	<u>3</u>				<u>1</u>	<u>1</u>	<u>5</u>												<u>2</u>	<u>3</u>	<u>B17W2</u>
<u>4330-14</u>	<u>ST-MW-18</u>	<u>1/16/04</u>	<u>1220</u>	<u>GW</u>	<u>5</u>	<u>3</u>				<u>1</u>	<u>1</u>	<u>5</u>												<u>2</u>	<u>3</u>	<u>B17Y0</u>
5																										
6																										
7																										
8																										
9																										
10																										

C U S T O D Y	Relinquished By: <u>John Huisman</u>	Date/Time: <u>1/16/04</u>	Received By: <u>Fedex</u>	Date/Time: <u> </u>
	Relinquished By: <u> </u>	Date/Time: <u> </u>	Received By: <u> </u>	Date/Time: <u>01-17-04 1600</u>

By signing the request (chain of custody) you are ordering work from Analytical Management Laboratories, Inc. which constitutes the acceptance of the terms and conditions on the back of this form.

Delivery Method <input type="checkbox"/> Delivered in Person <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Airtel #: <u> </u>	Custody Seals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Broken	Coolant <input type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None	Cooler Temp. <u> </u> °C <input type="checkbox"/> Temp. Blank <input type="checkbox"/> Cooler	Receiving Comments: <u> </u>
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0013

Analytical Management Laboratories - Sample Status and Receipt Report

AML Project Number	4330	Client AML ID	Earth Tech	AML Profile Number	2410	Client Project ID	Stanton LTRA Groundwater sampl
AML Sample	Matrix	Client Sample ID	Date Collected	Projected Due Date	Procedure	Comments	
433001	W	EPA-MW-23	01/15/2004 9:40	01/30/2004 17:00	300.0W	30, NITRATE, CHLORIDE, SULFAT	
433001	W	EPA-MW-23	01/15/2004 9:40	01/30/2004 17:00	353.3W/N/N		
433001	W	EPA-MW-23	01/15/2004 9:40	01/30/2004 17:00	RSK175	MS MSD	
433002	W	EPA-MW-25	01/15/2004 11:50	01/30/2004 17:00	RSK175		
433002	W	EPA-MW-25	01/15/2004 11:50	01/30/2004 17:00	300.0W	ITRATE, CHLORIDE, SULFAT	
433002	W	EPA-MW-25	01/15/2004 11:50	01/30/2004 17:00	353.3W/N/N		
433003	W	ST-MW-16	01/15/2004 13:45	01/30/2004 17:00	RSK175		
433003	W	ST-MW-16	01/15/2004 13:45	01/30/2004 17:00	300.0W	ITRATE, CHLORIDE, SULFAT	
433003	W	ST-MW-16	01/15/2004 13:45	01/30/2004 17:00	353.3W/N/N		
433004	W	ST-MW-14	01/15/2004 15:45	01/30/2004 17:00	RSK175		
433004	W	ST-MW-14	01/15/2004 15:45	01/30/2004 17:00	300.0W	ITRATE, CHLORIDE, SULFAT	
433004	W	ST-MW-14	01/15/2004 15:45	01/30/2004 17:00	353.3W/N/N		
433005	W	EPA-MW-22	01/15/2004 9:30	01/30/2004 17:00	RSK175		
433005	W	EPA-MW-22	01/15/2004 9:30	01/30/2004 17:00	300.0W	ITRATE, CHLORIDE, SULFAT	
433005	W	EPA-MW-22	01/15/2004 9:30	01/30/2004 17:00	353.3W/N/N		
433006	W	EPA-MW-21	01/15/2004 11:00	01/30/2004 17:00	RSK175		
433006	W	EPA-MW-21	01/15/2004 11:00	01/30/2004 17:00	300.0W	ITRATE, CHLORIDE, SULFAT	
433006	W	EPA-MW-21	01/15/2004 11:00	01/30/2004 17:00	353.3W/N/N		

Saturday, January 17, 2004

Analytical Management Laboratories - Sample Status and Receipt Report

AML Project Number 4330 **Client AML ID** Earth Tech
AML Profile Number 2410 **Client Project ID** Stanton LTRA Groundwater sampl

<i>AML Sample</i>	<i>Matrix</i>	<i>Client Sample ID</i>	<i>Date Collected</i>	<i>Projected Due Date</i>	<i>Procedure</i>	<i>Comments</i>
433007	W	ST-MW-02	01/15/2004 13:00	01/30/2004 17:00	300.0W	NITRATE, CHLORIDE, SULFAT
433007	W	ST-MW-02	01/15/2004 13:00	01/30/2004 17:00	RSK175	
433007	W	ST-MW-02	01/15/2004 13:00	01/30/2004 17:00	353.3WN/N	
433008	W	EPA-MW-27	01/15/2004 15:10	01/30/2004 17:00	300.0W	NITRATE, CHLORIDE, SULFAT
433008	W	EPA-MW-27	01/15/2004 15:10	01/30/2004 17:00	353.3WN/N	
433008	W	EPA-MW-27	01/15/2004 15:10	01/30/2004 17:00	RSK175	
433009	W	EPA-MW-21D	01/15/2004 11:00	01/30/2004 17:00	RSK175	NITRATE, CHLORIDE, SULFAT
433009	W	EPA-MW-21D	01/15/2004 11:00	01/30/2004 17:00	300.0W	
433009	W	EPA-MW-21D	01/15/2004 11:00	01/30/2004 17:00	353.3WN/N	
433010	W	ST-MW-06	01/15/2004 16:45	01/30/2004 17:00	RSK175	NITRATE, CHLORIDE, SULFAT
433010	W	ST-MW-06	01/15/2004 16:45	01/30/2004 17:00	300.0W	
433010	W	ST-MW-06	01/15/2004 16:45	01/30/2004 17:00	353.3WN/N	
433011	W	ST-MW-15	01/16/2004 9:15	01/31/2004 17:00	300.0W	NITRATE, SULFATE, CHLORID
433011	W	ST-MW-15	01/16/2004 9:15	01/31/2004 17:00	353.3WN/N	
433011	W	ST-MW-15	01/16/2004 9:15	01/31/2004 17:00	RSK175	
433012	W	ST-MW-13	01/16/2004 11:20	01/31/2004 17:00	300.0W	NITRATE, SULFATE, CHLORID
433012	W	ST-MW-13	01/16/2004 11:20	01/31/2004 17:00	353.3WN/N	
433012	W	ST-MW-13	01/16/2004 11:20	01/31/2004 17:00	RSK175	

Analytical Management Laboratories - Sample Status and Receipt Report

AML Project Number 4330 **Client AML ID** Earth Tech
AML Profile Number 2410 **Client Project ID** Stanton LTRA Groundwater sampl

<i>AML Sample</i>	<i>Matrix</i>	<i>Client Sample ID</i>	<i>Date Collected</i>	<i>Projected Due Date</i>	<i>Procedure</i>	<i>Comments</i>
433013	W	EPA-MW-26	01/16/2004 9:00	01/31/2004 17:00	300.0W	ITRATE, SULFATE, CHLORID
433013	W	EPA-MW-26	01/16/2004 9:00	01/31/2004 17:00	353.3WN/N	
433013	W	EPA-MW-26	01/16/2004 9:00	01/31/2004 17:00	RSK175	
433014	W	ST-MW-18	01/16/2004 12:20	01/31/2004 17:00	RSK175	
433014	W	ST-MW-18	01/16/2004 12:20	01/31/2004 17:00	300.0W	ITRATE, SULFATE, CHLORID
433014	W	ST-MW-18	01/16/2004 12:20	01/31/2004 17:00	353.3WN/N	



AML - Sample Condition Upon Receipt Report

Client ID: Earth Tech
Project ID: Stanton LTRA Groundwater sampl

AML Work Order Number: 4330
Cooler ID: _____

Delivery Method

Delivery Method: Courier
Courier ID: Federal Express

Name of Person Receiving Samples: RS
Airbill Number: 842135658751

Custody Seals

Were Custody Seals Present? ☒
Were Custody Seals Intact? ☒
Number of Custody Seals: 1

Cooler Opened By: NS
Date Opened: 1/16/04

Coolant / Temperature

Type of Coolant Used: Ice
Temperature Taken From: Temperature Blank

Temperature of Cooler: 3.4

Chain of Custody

Was Chain of Custody filled out properly? ☒

Do Chain of Custody and Sample Labels agree? ☒

Comments

Type of Packing Used? Bubble Wrap

Were all sample labels complete? ☒ Were all bottles sealed in separate plastic bags? ☒
Were correct preservatives added to the samples? ☒ Did all the bottles arrive unbroken? ☒
Were air bubbles absent in VOA samples? ☒ N/A ☐ Was a sufficient amount of sample sent for analysis? ☒
Was project manager contacted about any "out of control" issues? ☐

EDD (if applicable) Type: _____

☐ None ☐ ERPMS ☐ Excel
☐ ITEMS ☒ Access 97 ☐ Access 2000

Samples Received by: NS Project Manager Review: _____

Date: 1/16/04

Date: _____



ical Management Laboratories,

AML - Sample Condition Upon Receipt Report

Client ID: Earth Tech
Project ID: Stanton LTRA Groundwater sampl

AML Work Order Number: 4330
Cooler ID: 2

Delivery Method

Delivery Method: Courier
Courier ID: Federal Express

Name of Person Receiving Samples: NS
Airbill Number: 842135658718

Custody Seals

Were Custody Seals Present? ☒
Were Custody Seals Intact? ☒
Number of Custody Seals: 1

Cooler Opened By: NS
Date Opened: 1/17/04

Coolant / Temperature

Type of Coolant Used: Ice
Temperature Taken From: Temperature Blank

Temperature of Cooler: 3.1

Chain of Custody

Was Chain of Custody filled out properly? ☒

Do Chain of Custody and Sample
Labels agree? ☒

Comments

Type of Packing Used? Bubble Wrap

Were all sample labels complete? ☒ Were all bottles sealed in separate plastic bags? ☒
Were correct preservatives added to the samples? ☒ Did all the bottles arrive unbroken? ☒
Were air bubbles absent in VOA samples? ☒ N/A ☐ Was a sufficient amount of sample sent for analysis? ☒
Was project manager contacted about any "out of control" issues? ☐

EDD (if applicable) Type: _____

☐ None ☐ ERPMS ☐ Excel
☐ ITEMS ☒ Access 97 ☐ Access 2000

Samples Received by: NS Project Manager Review: _____

Date: 1/17/04

Date: _____

FedEx, USA Airbill

Tracking Number: 842135658751

0200

1 From 11/5/04

4a Express Package Service
☒ FedEx Priority Overnight
☐ FedEx Standard Overnight
☐ FedEx First Overnight

Sender's Name John Huisman Phone 516 352-4133

Company Earth Tech, Inc.

Address 110 Cuth-Mall Road

City Great Neck State NY ZIP 11021

2 Your Internal Billing Reference 5442001

3 To Recipient's Name Sample Receiving Company And Laboratories Phone 913 829-0101

Address 15130 E South Kesho

City Overlake State KS ZIP 66062

Address



842135658751

4b Express Freight Service
☐ FedEx 1Day Freight
☐ FedEx 2Day Freight
☐ FedEx 3Day Freight

5 Packaging
☐ FedEx Envelope
☐ FedEx Box
☒ Other

6 Special Handling
☐ Saturday Delivery
☐ Sunday Delivery
☐ Hold at FedEx Location
☐ Hold at Recipient's Location

7 Payment Biller
☒ Sender
☐ Recipient
☐ Third Party
☐ Credit Card
☐ Cash/Check

8 Release Signature

By signing your airbill, you agree to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

446

FedEx USA Airbill
Express
842135658738

1 From Date 1/16/04

Sender's Name J. H. Smith Phone 516 406 1037

Company Earth Tech Inc.

Address 111 E. 40th St. New York, NY 10018

City New York State NY ZIP 10018

2 Your Internal Billing Reference 5440281

3 To Recipient's Name Smith, Sandra Phone 913 889-0101

Company Analytical Management Laboratories

Address 1513013 South Kopeck

City Littleton State KS ZIP 66402



4a Express Package Service

☒ FedEx Priority Overnight ☐ FedEx Standard Overnight ☐ FedEx First Overnight

☐ FedEx 2Day ☐ FedEx Express Saver

4b Express Freight Service ☐ FedEx 1Day Freight ☐ FedEx 2Day Freight ☐ FedEx 3Day Freight

5 Packaging ☐ FedEx Envelope ☐ FedEx Pak ☒ Other

6 Special Handling ☒ SATURDAY Delivery ☐ HOLD Saturday at FedEx Location

7 Payment ☒ Bill Me ☐ Cash/Check ☐ Credit Card

8 Release Signature ☒ Signature ☐ Initials

Total Packages 5 Total Weight 5.00 Total Declared Value \$100.00

446

MEE Field Sample Data

Batch 1011

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: EPA-MW-23
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433001
Date Collected: 1/15/04 Time: 9:40
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	ML
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: EPA-MW-25
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433002
Date Collected: 1/15/04 Time: 11:50
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: ST-MW-16
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433003
Date Collected: 1/15/04 Time: 13:45
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	ML
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec.
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: ST-MW-14
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433004
Date Collected: 1/15/04 Time: 15:45
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	ML
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

EPA Lab Code:KS00902

Kansas Certification:E-10254

FORM I VOA - Equivalent

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: EPA-MW-22
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433005
Date Collected: 1/15/04 Time: 9:30
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: EPA-MW-21
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433006
Date Collected: 1/15/04 Time: 11:00
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: ST-MW-02
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433007
Date Collected: 1/15/04 Time: 13:00
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: EPA-MW-27
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433008
Date Collected: 1/15/04 Time: 15:10
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: EPA-MW-21D
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433009
Date Collected: 1/15/04 Time: 11:00
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		<i>µg/l</i>	U	1.5	10
74-85-1	Ethene		<i>µg/l</i>	U	1.5	10
74-82-8	Methane		<i>µg/l</i>	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: ST-MW-06
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433010
Date Collected: 1/15/04 Time: 16:45
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: ST-MW-15
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433011
Date Collected: 1/16/04 Time: 9:15
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/17/04 4:00:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: ST-MW-13
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433012
Date Collected: 1/16/04 Time: 11:20
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/17/04 4:00:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: EPA-MW-26
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433013
Date Collected: 1/16/04 Time: 9:00
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/17/04 4:00:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane		$\mu\text{g/l}$	U	1.5	10
74-85-1	Ethene		$\mu\text{g/l}$	U	1.5	10
74-82-8	Methane		$\mu\text{g/l}$	U	1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: ST-MW-18
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433014
Date Collected: 1/16/04 Time: 12:20
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/17/04 4:00:00 PM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

Anions Field Sample Data

Batch 1186

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-23
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433001
Date Collected: 1/15/04 Time: 9:40
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	103	mg/l	E	0.1	0.5	1
1/16/04	1186	5835	Sulfate	48.3	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: Earth Tech
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. _____
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: EPA-MW-25
 Project ID Stanton LTRA Groundwater sampl
 Project Num 4330
 Lab Sample ID: 433002
 Date Collected: 1/15/04 Time: 11:50
 Date Received: 1/16/04 9:40:00 AM
 Analytical Method: EPA 300.0

Date Analyzed	Analytical Batch	Prep Batch	COMPOUND	RESULT	Units	Q	LLR	ML	DF
1/16/04	1186	5835	Chloride	117	mg/l	E	0.1	0.5	1
1/16/04	1186	5835	Sulfate	40.2	mg/l	E	0.2	1	1

1 - Equivalent

Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-16
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433003
Date Collected: 1/15/04 Time: 13:45
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	91.4	mg/l	E	0.1	0.5	1
1/16/04	1186	5835	Sulfate	219	mg/l	E	0.2	1.	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-14
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433004
Date Collected: 1/15/04 Time: 15:45
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	75.4	mg/l	E	0.1	0.5	1
1/16/04	1186	5835	Sulfate	55.5	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-22
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433005
Date Collected: 1/15/04 Time: 9:30
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	86.3	mg/l	E	0.1	0.5	1
1/16/04	1186	5835	Sulfate	25.6	mg/l		0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: <u>Analytical Managment Laboratories</u>	Sample ID: <u>EPA-MW-21</u>
Client ID: <u>Earth Tech</u>	Project ID: <u>Stanton LTRA Groundwater sampl</u>
Matrix: <u>W</u>	Project Num: <u>4330</u>
Sample g/ml: <u>1</u>	Lab Sample ID: <u>433006</u>
% Solids: not dec. _____	Date Collected: <u>1/15/04</u> Time: <u>11:00</u>
Instrument ID: <u>LD120</u>	Date Received: <u>1/16/04 9:40:00 AM</u>
Injection Volume: <u>1</u> (mL)	Analytical Method: <u>EPA 300.0</u>

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	COMPOUND	RESULT	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	265	mg/l	E	0.1	0.5	1
1/16/04	1186	5835	Sulfate	66.3	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: Earth Tech
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. _____
 Instrument ID LD120
 Injection Volume: : 1 (mL)

Sample ID: ST-MW-02
 Project ID Stanton LTRA Groundwater sampl
 Project Num 4330
 Lab Sample ID: 433007
 Date Collected: 1/15/04 Time: 13:00
 Date Received: 1/16/04 9:40:00 AM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	121	mg/l	E	0.1	0.5	1
1/16/04	1186	5835	Sulfate	77	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-27
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433008
Date Collected: 1/15/04 Time: 15:10
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	143	mg/l	E	0.1	0.5	1
1/16/04	1186	5835	Sulfate	39.9	mg/l		0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: Earth Tech
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. _____
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: EPA-MW-21D
 Project ID Stanton LTRA Groundwater sampl
 Project Num 4330
 Lab Sample ID: 433009
 Date Collected: 1/15/04 Time: 11:00
 Date Received: 1/16/04 9:40:00 AM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	255	mg/l	E	0.1	0.5	1
1/16/04	1186	5835	Sulfate	64.7	mg/l	E	0.2	1	1

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-06
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433010
Date Collected: 1/15/04 Time: 16:45
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	48.7	mg/l	E	0.1	0.5	1
1/16/04	1186	5835	Sulfate	7.44	mg/l		0.2	1	1

Anions Field Sample Data

Batch 1189

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec.
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-23
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433001
Date Collected: 1/15/04 Time: 9:40
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	90.6	mg/l		1	5	10
1/22/04	1189	5943	Sulfate	47.4	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/mt: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-25
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433002
Date Collected: 1/15/04 Time: 11:50
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	104	mg/l		1	5	10
1/22/04	1189	5943	Sulfate	41.7	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-16
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433003
Date Collected: 1/15/04 Time: 13:45
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	81.9	mg/l		1	5	10
1/22/04	1189	5943	Sulfate	182	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-14
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433004
Date Collected: 1/15/04 Time: 15:45
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	56.9	mg/l		0.5	2.5	5
1/22/04	1189	5943	Sulfate	43.6	mg/l		1	5	5

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories Sample ID: EPA-MW-22
Client ID: Earth Tech Project ID: Stanton LTRA Groundwater sampl
Matrix: W Project Num: 4330
Sample g/ml: 1 Lab Sample ID: 433005
% Solids: not dec. Date Collected: 1/15/04 Time: 9:30
Instrument ID: LD120 Date Received: 1/16/04 9:40:00 AM
Injection Volume: 1 (mL) Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	80	mg/l		1	5	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: Earth Tech
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. _____
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: EPA-MW-21
 Project ID Stanton LTRA Groundwater sampl
 Project Num 4330
 Lab Sample ID: 433006
 Date Collected: 1/15/04 Time: 11:00
 Date Received: 1/16/04 9:40:00 AM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	200	mg/l		2	10	20
1/22/04	1189	5943	Sulfate	59.2	mg/l		4	20	20

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name:	<u>Analytical Managment Laboratories</u>	Sample ID:	<u>ST-MW-02</u>
Client ID:	<u>Earth Tech</u>	Project ID	<u>Stanton LTRA Groundwater sampl</u>
Matrix:	<u>W</u>	Project Num	<u>4330</u>
Sample g/ml:	<u>1</u>	Lab Sample ID:	<u>433007</u>
% Solids: not dec.	<u></u>	Date Collected:	<u>1/15/04</u> Time: <u>13:00</u>
Instrument ID	<u>LD120</u>	Date Received:	<u>1/16/04 9:40:00 AM</u>
Injection Volume:	<u>1</u> (mL)	Analytical Method:	<u>EPA 300.0</u>

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	98	mg/l		1	5	10
1/22/04	1189	5943	Sulfate	64.9	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-27
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433008
Date Collected: 1/15/04 Time: 15:10
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	113	mg/l		1	5	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-21D
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433009
Date Collected: 1/15/04 Time: 11:00
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	192	mg/l		2	10	20
1/22/04	1189	5943	Sulfate	58	mg/l		4	20	20

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-06
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433010
Date Collected: 1/15/04 Time: 16:45
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	COMPOUND	RESULT	<i>Units</i>	Q	LLR	SQL	DF
1/22/04	1189	5943	Chloride	43.3	mg/l		0.5	2.5	5

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-15
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433011
Date Collected: 1/16/04 Time: 9:15
Date Received: 1/17/04 4:00:00 PM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	63.3	mg/l		1	5	10
1/22/04	1189	5943	Sulfate	48.6	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-13
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433012
Date Collected: 1/16/04 Time: 11:20
Date Received: 1/17/04 4:00:00 PM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	75.6	mg/l		1	5	10
1/22/04	1189	5943	Sulfate	49.5	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-26
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433013
Date Collected: 1/16/04 Time: 9:00
Date Received: 1/17/04 4:00:00 PM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	176	mg/l		1	5	10
1/22/04	1189	5943	Sulfate	42.3	mg/l		2	10	10

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: ST-MW-18
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433014
Date Collected: 1/16/04 Time: 12:20
Date Received: 1/17/04 4:00:00 PM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	63.3	mg/l		1	5	10
1/22/04	1189	5943	Sulfate	59.1	mg/l		2	10	10

Nitrates Field Sample Data

Batch 1706

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: EPA-MW-23
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433001
Analytical Batch: 1706 Prep Batch: 6021
Date Collected: 1/15/04 Time: 9:40
Date Received: 1/16/04 9:40:00 AM
Date Analyzed: 1/26/04
Date Prepared: 1/26/04

Analytical Method: EPA 353.3
Prep Method: _____

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	5.27	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	5.27	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: EPA-MW-25
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433002
Analytical Batch: 1706 Prep Batch: 6021
Date Collected: 1/15/04 Time: 11:50
Date Received: 1/16/04 9:40:00 AM

Analytical Method: EPA 353.3
Prep Method: _____

Date Analyzed: 1/26/04
Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL	DIL
Nitrate	Nitrate	3.44	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	3.44	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: ST-MW-16
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433003
Analytical Batch: 1706 Prep Batch: 6021
Date Collected: 1/15/04 Time: 13:45
Date Received: 1/16/04 9:40:00 AM

Analytical Method: EPA 353.3
Prep Method: _____

Date Analyzed: 1/26/04
Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL	DIL
Nitrate	Nitrate	19	mg/L		1	4	100
N/N	Nitrate/Nitrite	19	mg/L		1	4	100
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: ST-MW-14
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433004
Analytical Batch 1706 Prep Batch 6021
Date Collected: 1/15/04 Time: 15:45
Date Received: 1/16/04 9:40:00 AM
Date Analyzed: 1/26/04
Date Prepared: 1/26/04

Analytical Method: EPA 353.3
Prep Method: _____

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MLL	DIL
Nitrate	Nitrate	3.49	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	3.49	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: EPA-MW-22
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433005
Analytical Batch: 1706 Prep Batch: 6021
Date Collected: 1/15/04 Time: 9:30
Date Received: 1/16/04 9:40:00 AM
Date Analyzed: 1/26/04
Date Prepared: 1/26/04

Analytical Method: EPA 353.3
Prep Method: _____

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	ML	DIL
Nitrate	Nitrate	1.84	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	1.84	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: EPA-MW-21
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433006
Analytical Batch: 1706 Prep Batch: 6021
Date Collected: 1/15/04 Time: 11:00
Date Received: 1/16/04 9:40:00 AM
Date Analyzed: 1/26/04
Date Prepared: 1/26/04

Analytical Method: EPA 353.3
Prep Method: _____

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	8.44	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	8.44	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: ST-MW-02
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433007
Analytical Batch: 1706 Prep Batch: 6021
Date Collected: 1/15/04 Time: 13:00
Date Received: 1/16/04 9:40:00 AM
Date Analyzed: 1/26/04
Date Prepared: 1/26/04

Analytical Method: EPA 353.3
Prep Method: _____

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	4.65	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	4.65	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: EPA-MW-27
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433008
Analytical Batch: 1706 Prep Batch: 6021
Date Collected: 1/15/04 Time: 15:10
Date Received: 1/16/04 9:40:00 AM

Analytical Method: EPA 353.3
Prep Method: _____

Date Analyzed: 1/26/04
Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	3.21	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	3.21	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
 Client ID: Earth Tech
 Matrix: W
 Sample g/ml: 10.00
 % Solids: not dec. _____
 Instrument ID _____

Sample ID: EPA-MW-21D
 Project ID: Stanton LTRA Groundwater sampl
 Project Num: 4330
 Lab Sample ID: 433009
 Analytical Batch: 1706 Prep Batch: 6021
 Date Collected: 1/15/04 Time: 11:00
 Date Received: 1/16/04 9:40:00 AM

Analytical Method: EPA 353.3
 Prep Method: _____

Date Analyzed: 1/26/04
 Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	5.95	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	5.95	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: ST-MW-06
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433010
Analytical Batch: 1706 Prep Batch: 6021
Date Collected: 1/15/04 Time: 16:45
Date Received: 1/16/04 9:40:00 AM

Analytical Method: EPA 353.3
Prep Method: _____

Date Analyzed: 1/26/04
Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	0.781	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	0.781	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec.
Instrument ID

Sample ID: ST-MW-15
Project ID Stanton LTRA Groundwater sampl
Project Num 4330
Lab Sample ID: 433011
Analytical Batch 1706 Prep Batch 6021
Date Collected: 1/16/04 Time: 9:15
Date Received: 1/17/04 4:00:00 PM

Analytical Method: EPA 353.3
Prep Method:

Date Analyzed: 1/26/04
Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	9	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	9	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: ST-MW-13
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433012
Analytical Batch: 1705 Prep Batch: 6021
Date Collected: 1/16/04 Time: 11:20
Date Received: 1/17/04 4:00:00 PM
Date Analyzed: 1/26/04
Date Prepared: 1/26/04

Analytical Method: EPA 353.3
Prep Method: _____

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL	DIL
Nitrate	Nitrate	7.25	mg/L		1	4	100
N/N	Nitrate/Nitrite	7.25	mg/L		1	4	100
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: EPA-MW-26
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433013
Analytical Batch: 1706 Prep Batch: 6021
Date Collected: 1/16/04 Time: 9:00
Date Received: 1/17/04 4:00:00 PM

Analytical Method: EPA 353.3
Prep Method: _____

Date Analyzed: 1/26/04
Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	3.46	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	3.46	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: Earth Tech
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: ST-MW-18
Project ID: Stanton LTRA Groundwater sampl
Project Num: 4330
Lab Sample ID: 433014
Analytical Batch: 1706 Prep Batch: 6021
Date Collected: 1/16/04 Time: 12:20
Date Received: 1/17/04 4:00:00 PM

Analytical Method: EPA 353.3
Prep Method: _____

Date Analyzed: 1/26/04
Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	8.58	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	8.58	mg/L		0.1	0.4	10
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

MEE QAQC Sample Data

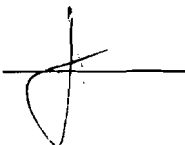
Batch 1011

Quality Control Association Form

Lab Name Analytical Management Laboratories Fraction SPEC

Analytical Batch	Prep Batch	Date Analyzed	Date Prepared	Lab Sample ID	Original Sample	Sample Type	Project Number
1011	5872	1/21/03	1/21/03	15209		MB	
1011	5872	1/21/03	1/21/03	15210		LCS	
1011	5872	1/21/03	1/21/03	15211		LCSD	
1011	5872	1/21/03	1/21/03	15212	433001	MS	
1011	5872	1/21/03	1/21/03	15213	433001	MSD	
1011	5872	1/21/03	1/21/03	433001		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433002		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433003		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433004		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433005		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433006		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433007		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433008		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433009		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433010		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433011		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433012		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433013		SAMPLE	4330
1011	5872	1/21/03	1/21/03	433014		SAMPLE	4330

Batch Reviewed by



Date Reviewed

1/23/04

Date Printed

Friday, January 23, 2004

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: MB for HBN 5872 [SPEC/1011]
Project ID _____
Project Num _____
Lab Sample ID: 15209
Date Collected: _____ Time: _____
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/21/03 10:01:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane		µg/l	U	1.5	10
74-85-1	Ethene		µg/l	U	1.5	10
74-82-8	Methane		µg/l	U	1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: LCS for HBN 5872 [SPEC/1011]
Project ID _____
Project Num _____
Lab Sample ID: 15210
Date Collected: _____ Time: _____
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/21/03 10:20:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane	44	µg/l		1.5	10
74-85-1	Ethene	68	µg/l		1.5	10
74-82-8	Methane	36	µg/l		1.5	10

1 - Equivalent

General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: LCSD for HBN 5872 [SPEC/1011]
Project ID _____
Project Num _____
Lab Sample ID: 15211
Date Collected: _____ Time: _____
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/21/03 10:24:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	ML
74-84-0	Ethane	44	µg/l		1.5	10
74-85-1	Ethene	69	µg/l		1.5	10
74-82-8	Methane	37	µg/l		1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: EPA-MW-23(433001MS)
Project ID _____
Project Num _____
Lab Sample ID: 15212
Date Collected: 1/15/04 Time: 9:40
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
74-84-0	Ethane	49	µg/l		1.5	10
74-85-1	Ethene	76	µg/l		1.5	10
74-82-8	Methane	43	µg/l		1.5	10

1 - Equivalent
General Chromatography ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 44
% Solids: not dec. _____
Instrument ID V5890B
Analytical Method: RSK-175
Prep Method: RSK175
Analytical Batch: 1011

Sample ID: EPA-MW-23(433001MSD)
Project ID _____
Project Num _____
Lab Sample ID: 15213
Date Collected: 1/15/04 Time: 9:40
Dilution Factor: 1
Date Analyzed: 1/21/03
Date Received: 1/16/04 9:40:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL
74-84-0	Ethane	48	µg/l		1.5	10
74-85-1	Ethene	73	µg/l		1.5	10
74-82-8	Methane	42	µg/l		1.5	10

Laboratory Control Sample (LCS) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1011

Fraction SPEC

Prep Batch 5872

Matrix W

Lab Sample ID for LCS: 15210

Analyte	SPIKE ADDED	LCS Amount	%REC	QC FLAG	% REC QC. LIMITS	
					LCL	UCL
Ethane	48.8	44	90.2		50	150
Ethene	59.3	68	115		50	150
Methane	33	36	109		50	150

Total Number of Analytes: 3

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

Laboratory Control Sample Duplicate (LCSD) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1011

Fraction SPEC

Prep Batch 5872

Matrix W

Lab Sample ID for LCSD: **15211**

<i>Analyte</i>	<i>SPIKE ADDED</i>	<i>LCSD Amount</i>	<i>%REC</i>	<i>QC FLAG</i>	<i>%REC QC. LIMITS LCL UCL</i>	<i>LCS/LCSD RPD</i>
Ethane	48.8	44	90.2		50 150	0
Ethene	59.3	69	116		50 150	1.46
Methane	33	37	112		50 150	2.74

Total Number of Analytes: 3

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

Matrix Spike (MS) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1011

Fraction SPEC

Prep Batch 5872

Matrix W

Original Sample ID: 433001

Lab Sample ID for MS: 15212

COMPOUND	Original Amount	SPIKE ADDED	MS Amount	%REC	QC FLAG	%REC QC. LIMITS	
						LCL	UCL
Ethane	0	48.8	49	100		50	150
Ethene	0	59.3	76	128		50	150
Methane	0	33	43	130		50	150

Total Number of Analytes: 3

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

Matrix Spike Duplicate (MSD) Summary Sheet

Lab Name: Analytical Managment Laboratories

Analytical Batch 1011

Fraction SPEC

Prep Batch 5872

Matrix W

Original Sample ID: 433001

Lab Sample ID for MSD: 15213

COMPOUND	Original Amount	SPIKE ADDED	MSD Amount	%REC	QC FLAG	MS/MSD RPD	RPD FLAG	%REC QC. LIMITS		
								LCL	UCL	RPD
Ethane	0	48.8	48	98.4		2.06		50	150	50
Ethene	0	59.3	73	123		4.03		50	150	50
Methane	0	33	42	127		2.35		50	150	50

Total Number of Analytes: 3

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

Anions QAQC Sample Data

Batch 1186

Quality Control Association Form

Lab Name Analytical Management Laboratories Fraction IC

Analytical Batch	Prep Batch	Date Analyzed	Date Prepared	Lab Sample ID	Original Sample	Sample Type	Project Number
1186	5835	1/16/04	1/16/04	15158		MB	
1186	5835	1/16/04	1/16/04	15159		LCS	
1186	5835	1/16/04	1/16/04	15160		LCSD	
1186	5835	1/16/04	1/16/04	15161	433001	MS	
1186	5835	1/16/04	1/16/04	15162	433001	MSD	
1186	5835	1/16/04	1/16/04	433001		SAMPLE	4330
1186	5835	1/16/04	1/16/04	433002		SAMPLE	4330
1186	5835	1/16/04	1/16/04	433003		SAMPLE	4330
1186	5835	1/16/04	1/16/04	433004		SAMPLE	4330
1186	5835	1/16/04	1/16/04	433005		SAMPLE	4330
1186	5835	1/16/04	1/16/04	433006		SAMPLE	4330
1186	5835	1/16/04	1/16/04	433007		SAMPLE	4330
1186	5835	1/16/04	1/16/04	433008		SAMPLE	4330
1186	5835	1/16/04	1/16/04	433009		SAMPLE	4330
1186	5835	1/16/04	1/16/04	433010		SAMPLE	4330
1186	5835	1/16/04	1/16/04	433101		SAMPLE	4331
1186	5835	1/16/04	1/16/04	433102		SAMPLE	4331

Batch Reviewed by JMB Date Reviewed 1/23/04 Date Printed Friday, January 23, 2004

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
 Client ID: QC ACCOUNT
 Matrix: W
 Sample g/ml: 1
 % Solids: not dec. 100
 Instrument ID LD120
 Injection Volume: 1 (mL)

Sample ID: MB for HBN 5835 [IC/1186]
 Project ID: _____
 Project Num: _____
 Lab Sample ID: 15158
 Date Collected: _____ Time: _____
 Date Received: 1/16/04 3:00:00 PM
 Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/16/04	1186	5835	Chloride		mg/l	U	0.1	0.5	1
1/16/04	1186	5835	Sulfate		mg/l	U	0.2	1	1

Laboratory Control Sample (LCS) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1186

Fraction IC

Prep Batch 5835

Matrix W

Lab Sample ID for LCS: **15159**

Analyte	SPIKE ADDED	LCS Amount	%REC	QC FLAG	% REC QC. LIMITS	
					LCL	UCL
Chloride	10.00	9.44	94.4		80	120
Sulfate	20.00	18.90	94.7		80	120

Total Number of Analytes: 2

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. 100
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: LCS for HBN 5835 [IC/1186]
Project ID _____
Project Num _____
Lab Sample ID: 15159
Date Collected: _____ Time: _____
Date Received: 1/16/04 3:00:00 PM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	9.44	mg/l		0.1	0.5	1
1/16/04	1186	5835	Sulfate	18.9	mg/l		0.2	1	1

Laboratory Control Sample Duplicate (LCSD) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1186

Fraction IC

Prep Batch 5835

Matrix W

Lab Sample ID for LCSD: 15160

<i>Analyte</i>	<i>SPIKE ADDED</i>	<i>LCSD Amount</i>	<i>%REC</i>	<i>QC FLAG</i>	<i>%REC QC. LIMITS LCL</i>	<i>UCL</i>	<i>LCS/LCSD RPD</i>
Chloride	10.00	9.46	94.6		80	120	0.265
Sulfate	20.00	18.90	94.6		80	120	0.158

Total Number of Analytes: 2

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: <u>Analytical Managment Laboratories</u>	Sample ID: <u>LCSD for HBN 5835 [IC/1186]</u>
Client ID: <u>QC ACCOUNT</u>	Project ID: _____
Matrix: <u>W</u>	Project Num: _____
Sample g/ml: <u>1</u>	Lab Sample ID: <u>15160</u>
% Solids: not dec. <u>100</u>	Date Collected: _____ Time: _____
Instrument ID <u>LD120</u>	Date Received: <u>1/16/04 3:00:00 PM</u>
Injection Volume: <u>1</u> (mL)	Analytical Method: <u>EPA 300.0</u>

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	COMPOUND	RESULT	Units	Q	LLR	MQL	DF
1/16/04	1186	5835	Chloride	9.46	mg/l		0.1	0.5	1
1/16/04	1186	5835	Sulfate	18.9	mg/l		0.2	1	1

3 - Equivalent
IC ANALYSIS DATA SHEET / Matrix Spike Summary Sheet

Lab Name: Analytical Managment Laboratories

Analytical Batch 1186

Fraction IC

Prep Batch 5835

Orig HSN : 433001 MS HSN : 15161 MSD HSN : 15162

COMPOUND	Original Amount	SPIKE ADDE	MS Amount	MS % REC #	MS % REC# FLAG	SPIKE ADDED	MSD Amount	MSD % REC #	MSD % REC# FLAG	RPD	RPD FLAG	QC. LIMITS		
												LCL	UCL	RPD
Sulfate	48.292	40	89.4	103		40	89.2	102		0.132		80	120	20
Chloride	103.1	20	121	87.6		20	119	79.9	*	1.29		80	120	20

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: <u>Analytical Managment Laboratories</u>	Sample ID: <u>EPA-MW-23(433001MS)</u>
Client ID: <u>QC ACCOUNT</u>	Project ID: _____
Matrix: <u>W</u>	Project Num: _____
Sample g/ml: <u>1</u>	Lab Sample ID: <u>15161</u>
% Solids: not dec. _____	Date Collected: <u>1/15/04</u> Time: <u>9:40</u>
Instrument ID <u>LD120</u>	Date Received: <u>1/16/04 9:40:00 AM</u>
Injection Volume: <u>1</u> (mL)	Analytical Method: <u>EPA 300.0</u>

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	121	mg/l	E	0.2	1	2
1/16/04	1186	5835	Sulfate	89.4	mg/l	E	0.4	2	2

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-23(433001MSD)
Project ID _____
Project Num _____
Lab Sample ID: 15162
Date Collected: 1/15/04 Time: 9:40
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>ML</i>	<i>DF</i>
1/16/04	1186	5835	Chloride	119	mg/l	E	0.2	1	2
1/16/04	1186	5835	Sulfate	89.2	mg/l	E	0.4	2	2

Anions QAQC Sample Data

Batch 1189

Quality Control Association Form

Lab Name Analytical Management Laboratories Fraction IC

Analytical Batch	Prep Batch	Date Analyzed	Date Prepared	Lab Sample ID	Original Sample	Sample Type	Project Number
1189	5943	1/22/04	1/22/04	15339		MB	
1189	5943	1/22/04	1/22/04	15340		LCS	
1189	5943	1/22/04	1/22/04	15341		LCSD	
1189	5943	1/22/04	1/22/04	15342	433001	MS	
1189	5943	1/22/04	1/22/04	15343	433001	MSD	
1189	5943	1/22/04	1/22/04	433001		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433002		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433003		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433004		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433005		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433006		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433007		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433008		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433009		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433010		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433011		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433012		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433013		SAMPLE	4330
1189	5943	1/22/04	1/22/04	433014		SAMPLE	4330

Batch Reviewed by JMB Date Reviewed 1/23/04 Date Printed Friday, January 23, 2004

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. 100
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: MB for HBN 5943 [IC/1189]
Project ID _____
Project Num _____
Lab Sample ID: 15339
Date Collected: _____ Time: _____
Date Received: 1/22/04 8:28:00 PM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>SQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride		mg/l	U	0.1	0.5	1
1/22/04	1189	5943	Sulfate		mg/l	U	0.2	1	1

Laboratory Control Sample (LCS) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1189

Fraction IC

Prep Batch 5943

Matrix W

Lab Sample ID for LCS: 15340

Analyte	SPIKE ADDED	LCS Amount	%REC	QC FLAG	% REC QC. LIMITS	
					LCL	UCL
Chloride	10.00	9.50	95		80	120
Sulfate	20.00	19.10	95.7		80	120

Total Number of Analytes: 2

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

1 - Equivalent

Lab Name: Analytical Management Laboratories

Client ID: QC ACCOUNT

Matrix: W

Sample g/ml: 1

% Solids: not dec. 100

Instrument ID LD120

Injection Volume: 1 (mL)

Sample ID: LCS for HBN 5943 [IC/1189]

Project ID

Project Num

Lab Sample ID: 15340

Date Collected: _____ Time: _____

Date Received: 1/22/04 8:28:00 PM

Analytical Method: EPA 300.0

Date Analyzed	Analytical Batch	Prep Batch	COMPOUND	RESULT	Units	Q	LLR	MQL	DF
1/22/04	1189	5943	Chloride	9.5	mg/l		0.1	0.5	1
1/22/04	1189	5943	Sulfate	19.1	mg/l		0.2	1	1

Laboratory Control Sample Duplicate (LCSD) Summary

Lab Name: Analytical Managment Laboratories

Analytical Batch 1189

Fraction IC

Prep Batch 5943

Matrix W

Lab Sample ID for LCSD: 15341

Analyte	SPIKE ADDED	LCSD Amount	%REC	QC FLAG	%REC QC. LIMITS LCL UCL	LCSD/LCSD RPD
Chloride	10.00	9.52	95.2		80 120	0.273
Sulfate	20.00	19.10	95.6		80 120	0.105

Total Number of Analytes: 2

Number of Exceedences (ME) Allowed per DoD QSM: 0

Actual Number of Marginal Exceedences: 0

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: <u>Analytical Managment Laboratories</u>	Sample ID: <u>LCSD for HBN 5943 [IC/1189]</u>
Client ID: <u>QC ACCOUNT</u>	Project ID: _____
Matrix: <u>W</u>	Project Num: _____
Sample g/ml: <u>1</u>	Lab Sample ID: <u>15341</u>
% Solids: not dec. <u>100</u>	Date Collected: _____ Time: _____
Instrument ID <u>LD120</u>	Date Received: <u>1/22/04 8:28:00 PM</u>
Injection Volume: <u>1</u> (mL)	Analytical Method: <u>EPA 300.0</u>

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	9.52	mg/l		0.1	0.5	1
1/22/04	1189	5943	Sulfate	19.1	mg/l		0.2	1	1

3 - Equivalent
IC ANALYSIS DATA SHEET / Matrix Spike Summary Sheet

Lab Name: Analytical Managment Laboratories

Analytical Batch 1189

Fraction IC

Prep Batch 5943

Orig HSN : 433001 MS HSN : 15342 MSD HSN : 15343

COMPOUND	Original Amount	SPIKE ADDE	MS Amount	MS % REC #	MS % REC# FLAG	SPIKE ADDED	MSD Amount	MSD % REC #	MSD% REC# FLAG	RPD	RPD FLAG	QC. LIMITS		
												LCL	UCL	RPD
Sulfate	47.423	400	433	96.3		400	434	96.6		0.249		80	120	20
Chloride	90.639	200	284	96.6		200	284	96.5		0.0722		80	120	20

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: <u>Analytical Managment Laboratories</u>	Sample ID: <u>EPA-MW-23(433001MS)</u>
Client ID: <u>QC ACCOUNT</u>	Project ID: _____
Matrix: <u>W</u>	Project Num: _____
Sample g/ml: <u>1</u>	Lab Sample ID: <u>15342</u>
% Solids: not dec. _____	Date Collected: <u>1/15/04</u> Time: <u>9:40</u>
Instrument ID <u>LD120</u>	Date Received: <u>1/16/04 9:40:00 AM</u>
Injection Volume: <u>1</u> (mL)	Analytical Method: <u>EPA 300.0</u>

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	COMPOUND	RESULT	Units	Q	LLR	MQL	DF
1/22/04	1189	5943	Chloride	284	mg/l		2	10	20
1/22/04	1189	5943	Sulfate	433	mg/l		4	20	20

1 - Equivalent
Ion Chromatography ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 1
% Solids: not dec. _____
Instrument ID LD120
Injection Volume: 1 (mL)

Sample ID: EPA-MW-23(433001MSD)
Project ID _____
Project Num _____
Lab Sample ID: 15343
Date Collected: 1/15/04 Time: 9:40
Date Received: 1/16/04 9:40:00 AM
Analytical Method: EPA 300.0

<i>Date Analyzed</i>	<i>Analytical Batch</i>	<i>Prep Batch</i>	<i>COMPOUND</i>	<i>RESULT</i>	<i>Units</i>	<i>Q</i>	<i>LLR</i>	<i>MQL</i>	<i>DF</i>
1/22/04	1189	5943	Chloride	284	mg/l		2	10	20
1/22/04	1189	5943	Sulfate	434	mg/l		4	20	20

Nitrates QAQC Sample Data

Batch 1706

Quality Control Association Form

Lab Name Analytical Management Laboratories Fraction WCGE

Analytical Batch	Prep Batch	Date Analyzed	Date Prepared	Lab Sample ID	Original Sample	Sample Type	Project Number
1706	6021	1/26/04	1/26/04	15445		MB	
1706	6021	1/26/04	1/26/04	15446		LCS	
1706	6021	1/26/04	1/26/04	15447		LCSD	
1706	6021	1/26/04	1/26/04	15448	433001	MS	
1706	6021	1/26/04	1/26/04	15449	433001	MSD	
1706	6021	1/26/04	1/26/04	433001		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433002		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433003		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433004		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433005		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433006		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433007		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433008		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433009		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433010		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433011		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433012		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433013		SAMPLE	4330
1706	6021	1/26/04	1/26/04	433014		SAMPLE	4330

Batch Reviewed by KZ Date Reviewed 1/28/04 Date Printed wednesday, January 28, 2004

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. 100.0
Instrument ID _____

Sample ID: MB for HBN 6021 [WCGE/1706]
Project ID _____
Project Num _____
Lab Sample ID: 15445
Analytical Batch 1706 Prep Batch 6021
Date Collected: _____ Time: _____
Date Received: 1/26/04
Date Analyzed: 1/26/04
Date Prepared: 1/26/04

Analytical Method: EPA 353.3
Prep Method: _____

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	SQL	DIL
Nitrate	Nitrate		mg/L	U	0.01	0.04	1
N/N	Nitrate/Nitrite		mg/L	U	0.01	0.04	1
Nitrite	Nitrite		mg/L	U	0.01	0.04	1

7 - Equivalent

INORGANIC ANALYSIS DATA SHEET / Laboratory Control Sample Summary Sheet

Lab Name: Analytical Managment Laboratories

Analytical Batch 1706

Fraction WCGE

Prep Batch 6021

Units

LCS HSN : **15446**

LCSD HSN : **15447**

COMPOUND	SPIKE	LCS	LCS %	LCS %	SPIKE	LCS	LCS %	LCS %	RPD	RPD	QC. LIMITS		
	ADDED	Amount	REC #	REC#	ADDED	Amount	REC #	REC#			LCL	UCL	RPD
Nitrate	0.4	0.435	109		0.4	0.428	107		1.62		80	120	20
Nitrate/Nitrite	0.4	0.435	109		0.4	0.428	107		1.62		80	120	20
Nitrite	0.5	0.533	107		0.5	0.531	106		0.376		80	120	20

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. 100.0
Instrument ID _____

Sample ID: LCS for HBN 6021 [WCGE/1706]
Project ID _____
Project Num _____
Lab Sample ID: 15446
Analytical Batch 1706 Prep Batch 6021
Date Collected: _____ Time: _____
Date Received: 1/26/04

Analytical Method: EPA 353.3
Prep Method: _____

Date Analyzed: 1/26/04
Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	0.435	mg/L		0.01	0.04	1
N/N	Nitrate/Nitrite	0.435	mg/L		0.01	0.04	1
Nitrite	Nitrite	0.533	mg/L		0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. 100.0
Instrument ID _____

Sample ID: LCSD for HBN 6021 [WCGE/1706]
Project ID _____
Project Num _____
Lab Sample ID: 15447
Analytical Batch 1706 Prep Batch 6021
Date Collected: _____ Time: _____
Date Received: 1/26/04

Analytical Method: EPA 353.3
Prep Method: _____

Date Analyzed: 1/26/04
Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	0.428	mg/L		0.01	0.04	1
N/N	Nitrate/Nitrite	0.428	mg/L		0.01	0.04	1
Nitrite	Nitrite	0.531	mg/L		0.01	0.04	1

5 - Equivalent
INORGANIC ANALYSIS DATA SHEET / Matrix Spike Summary Sheet

Lab Name: Analytical Managment Laboratories

Analytical Batch 1706

Fraction WCGE

Prep Batch 6021

Units

Orig HSN : **433001** MS HSN : **15448** MSD HSN : **15449**

COMPOUND	Original	SPIKE	MS	MS %	MS %	SPIKE	MSD	MSD %	MSD %	RPD	QC. LIMITS		
	Amount	ADDED	Amount	REC #	FLAG	ADDED	Amount	REC #	FLAG	RPD	LCL	UCL	RPD
Nitrate	5.272	4	9.85	114		4	9.79	113		0.57	75	125	25
Nitrate/Nitrite	5.272	4	9.85	114		4	9.79	113		0.57	75	125	25
Nitrite	0	0.5	0.564	113		0.5	0.545	109		3.43	75	125	25

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: EPA-MW-23(433001MS)
Project ID _____
Project Num _____
Lab Sample ID: 15448
Analytical Batch 1706 Prep Batch 6021
Date Collected: 1/15/04 Time: 9:40
Date Received: 1/16/04 9:40:00 AM
Date Analyzed: 1/26/04
Date Prepared: 1/26/04

Analytical Method: EPA 353.3
Prep Method: _____

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	9.85	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	9.85	mg/L		0.1	0.4	10
Nitrite	Nitrite	0.564	mg/L		0.01	0.04	1

1 - Equivalent
INORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Management Laboratories
Client ID: QC ACCOUNT
Matrix: W
Sample g/ml: 10.00
% Solids: not dec. _____
Instrument ID _____

Sample ID: EPA-MW-23(433001MSD)
Project ID _____
Project Num _____
Lab Sample ID: 15449
Analytical Batch 1706 Prep Batch 6021
Date Collected: 1/15/04 Time: 9:40
Date Received: 1/16/04 9:40:00 AM

Analytical Method: EPA 353.3
Prep Method: _____

Date Analyzed: 1/26/04
Date Prepared: 1/26/04

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL	DIL
Nitrate	Nitrate	9.79	mg/L		0.1	0.4	10
N/N	Nitrate/Nitrite	9.79	mg/L		0.1	0.4	10
Nitrite	Nitrite	0.545	mg/L		0.01	0.04	1