P E M Environmental Planning & Management, Inc.

1983 Marcus Ave., Suite 109
Lake Success, New York 11042
(516) 328-1194
Fax (516) 328-1381

LETTER OF TRANSMITTAL

Date: 30-Sep-03	Job No. 23001
Attention: Mr. George Momberger	
Re: *Katonah Quarterly Water Monitoring*	

TO:

NYSDEC
625 Broadway
Albany, NY 12233

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☐ Shop Drawings ☐ Prints ☐ Plans ☐ Qualifications ☐ Specifications

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1	9/30/03		*Katonah Quarterly Water Monitoring Report - 2nd Quarter*

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REMARKS

If there are any questions, please call me.

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Site Name
Site #
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Town
Foilable ___ Yes ___
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ENVIRONMENTAL
PLANNING &
EPM MANAGEMENT, INC.

October 2, 2003

James Hahn
James J. Hahn Engineering
Millbrook Office Center
Route 22 & Milltown Road
Brewster, NY 10509

Dear Mr. Hahn:

Enclosed please find the quarterly monitoring report for the second quarter of 2003 for the Katonah Municipal Well, Town of Bedford, Westchester County, New York (NYSDEC Site ID # 3-60-007).

Please call me with any questions..

Very Truly Yours,

Aphrodite Socrates
Vice President

cc: Kenneth Caffrey, PE, NYSDOH
George Momberger, NYSDEC
William Nixon, Town of Bedford
Paul Kutzy, Westchester County DOH
Damian Duda, USEPA region 2

GROUNDWATER QUALITY MONITORING
QUARTERLY REPORT
JUNE 2003
KATONAH MUNICIPAL WELL
TOWN OF BEDFORD
WESTCHESTER, NEW YORK
NYSDEC Site ID # 3-60-007

SEPTEMBER 14, 2003

PREPARED FOR:

James J. Hahn Engineering
Millbrook Office Center
Route 22 & Milltown Road
Brewster, New York 10509

PREPARED BY:

Environmental Planning & Management, Inc.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042

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1.0 INTRODUCTION

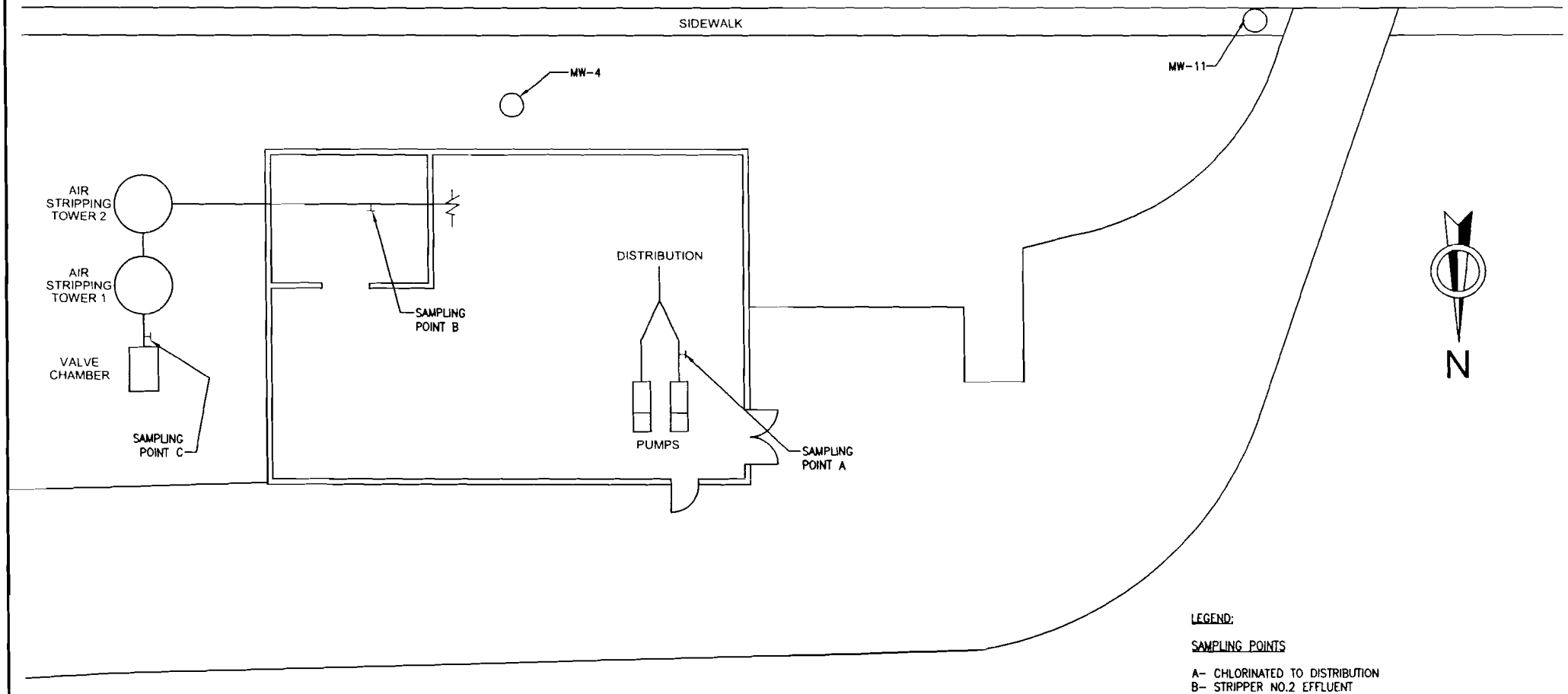
This quarterly groundwater sampling and analysis report has been prepared for the Katonah Municipal Well Site in Katonah, Town of Bedford, New York. This submittal is in accordance with the groundwater monitoring requirements of the New York State Department of Health (NYSDOH) and the U.S. Environmental Protection Agency (USEPA). This report includes the data collection and analysis results of the remedial system operation, for the quarter of April of 2003 to June of 2003. Sampling of the remedial system was conducted on June 25, 2003.

2.0 SAMPLE COLLECTION

Environmental Planning & Management, Inc., collected samples on June 25, 2003. Three samples were collected from sampling taps; the raw water sampling tap (RW), the stripper number two effluent sampling tap (STEF) and the distribution sampling tap (DIST). One field duplicate sample (DUP) of the Raw Water was collected on June 25, 2003. Sample locations are shown on Figure 1 - Sampling Tap Location Schematic. Sampling was conducted in accordance with the approved Project Operation Plan.

Samples were labeled at the field location and placed into transport coolers containing ice. A trip blank and chain-of-custody documentation accompanied the samples to the laboratory for analysis. The samples were analyzed by SciLab Boston, in accordance with CLP methods, for volatile organics (Principal Organic Contaminants), by method 524.2, revision number 3.

JAY STREET



LEGEND:

SAMPLING POINTS

A- CHLORINATED TO DISTRIBUTION
B- STRIPPER NO.2 EFFLUENT
C- RAW WATER

GROUNDWATER MONITORING WELLS

MW-4 6" WELL
MW-11 2" WELL

PEM ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 MARCUS AVENUE
SUITE 109
LAKE SUCCESS, NEW YORK 11042

DRAWN BY: AMR	DATE: 06/26/03	CLIENT: KATONAH MUNICIPAL WATER SYSTEM	TITLE: SIMPLIFIED SAMPLING LOCATION SCHEMATIC
CHECKED BY: EW	FILENAME: KATONAH		PROJECT LOCATION: KATONAH MUNICPAL WATER SYSTEM KATONAH, NEW YORK
APPR'VD BY: ASG	SCALE: NOT TO SCALE		DRAWING NO: FIG. 1
PATH: C:\AMR\BEDFORD\KATONAH\22001DWGS			SHEET 1 OF 1

3.0 FINDINGS

Table 1 provides a summary of the analytical results for the quarterly water quality monitoring, as well as the applicable NYSDOH Drinking Water Standards and the U.S. EPA clean-up requirement for Tetrachloroethene. As indicated by the laboratory analysis, the treatment system effluent meets the NYSDOH drinking water standards and the USEPA clean-up level of less than one part per billion (ppb) (or non-detectable) for Tetrachloroethene and meets the levels of less than 100 parts per billion for Trihalomethanes.

Tetrachloroethene was detected in the raw water sample, RW, at a concentration of **33.0** ug/l (ppb), exceeding the NYSDOH drinking water standard for that compound. Three additional VOC's, cis-1,2-Dichloroethene, Trichloroethene and Methylene Chloride, were detected in RW at concentrations of 1.4 ppb and 1.5 ppb and 2.10 ppb, respectively. These values are below the NYSDOH drinking water standards.

One VOC, Methylene Chloride, was detected in the treated (stripper number 2) water sample, STEFF, at a concentration of .6 ppb. This value is below the NYSDOH drinking water standard.

Three VOC's, dibromochlorethane, bromodichlormethane and Methylene Chloride were found in the distribution water sample, DIST, at concentrations of 2.9 ppb and 1.3 ppb and .7 respectively. These values are well below the NYSDOH drinking water standards.

One VOC, Methylene Chloride was found in the storage blank, STORAGE BLANK , at a concentration of 1.5 ppb. This is due to laboratory contamination.

The results of the sample, DUP, were similar to the results found in the RW sample. The DUP sample and RW sample were both taken from the same raw water tap location.

One VOC, Methylene Chloride, was found in the trip blank, TRIP BLANK, at a concentration of 2.9 ppb indicating laboratory contamination.

Refer to Table 1 for a summary of the groundwater analysis results for volatile organic compounds (VOC's). Table 1 reflects the detectable concentration values which have been qualified as a result of data validation. Refer to Appendix A for the data validation report which details the changes in the detectable concentration values discussed above.

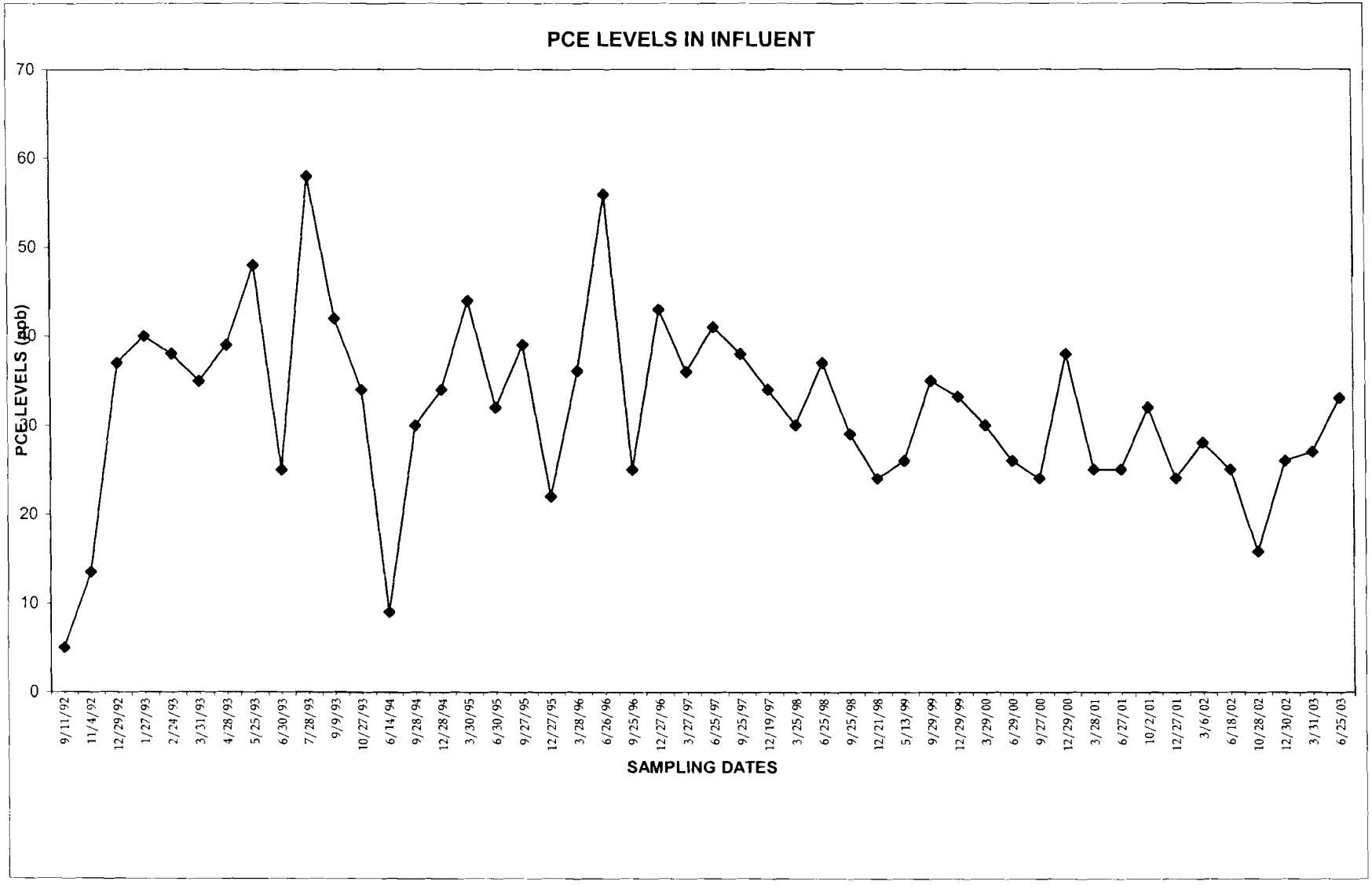
The PCE concentration in the Influent (raw water) has increased over the last sampling event (see Figure 2). To date, the PCE level in the raw water samples is not of significant concern, since the treated water and distribution water samples continue to exhibit non-detectable or insignificant concentrations of PCE. However, changes in PCE levels will continue to be closely monitored.

Table 1 - SUMMARY OF QUARTERLY ANALYTICAL RESULTS
KATONAH MUNICIPAL WELL
June 2003

Date Collected	06/25/03				
Sample Location	RW (Influent)	DUP (RW)	STEFF (Treated Water)	DIST (Distribution Water)	NYSDOH\ USEPA Standard
Volatile Organic Compounds (ppb)					
Tetrachloroethene	**33.00**	**35.00**	0.5U	0.5U	**5/1***
Trichloroethene	1.50	1.60	0.5U	0.5U	**5**
cis-1,2-Dichloroethene	1.40	1.40	0.5U	0.5U	**5**
Methylene Chloride	2.1B	2.1B	0.6B	0.7B	**5**
Dibromochloromethane	1U	2U	1U	2.90	**50**
Bromodichloromethane	2U	1U	0.5U	1.30	**50**

* 1 ppb is the USEPA cleanup standard for the site
1 - Determined undetect following data validation
Level exceeds the USEPA/NYSDOH standard
U Denotes detection limit/not detected
J Denotes an estimated value
N Presumptive evidence of a compound
R Determined unusable following data validation
NS No standard
B Denotes Detection in the Field Blank, Storage Blank and Trip Blank as well.

Figure 2


PCE LEVELS IN INFLUENT
PCE LEVELS (ppb)
70
60
50
40
30
20
10
0
9/11/92
11/4/92
12/29/92
1/27/93
2/24/93
3/31/93
4/28/93
5/25/93
6/30/93
7/28/93
9/9/93
10/27/93
6/14/94
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3/29/00
6/29/00
9/27/00
12/29/00
3/28/01
6/27/01
10/2/01
12/27/01
3/6/02
6/18/02
10/28/02
12/30/02
3/31/03
6/25/03
SAMPLING DATES

4.0 FUTURE ACTIONS

Water quality monitoring will continue to be conducted quarterly at the treatment system influent, stripper number 2 effluent, and distribution entry point. Groundwater monitoring well samples will be collected bi-annually.

The next sampling event, the first quarterly event for year twelve, is scheduled for September 30, 2003.

APPENDIX A

Katonah Municipal Well Site
Data Validation
Groundwater Quality Monitoring
Quarterly Report - June 2003

Samples Collected by Environmental Planning & Management, Inc.
Samples Analyzed by SciLab Boston

Data Validation Performed by:

_____

Julie Smith
Environmental Chemist

PROJECT DESCRIPTION

Report Prepared by: Julie Smith, Environmental Chemist

Date of Validation Report: September 15, 2003

EPM Project Name/No. 22001-Katonah

Laboratory: SCILAB Boston, Inc.

Laboratory Project Name: SCILAB Work Order 0306-00445

Laboratory Report Date: July 10, 2003

Deliverable Format: Full Data Package

Sample Date: June 25, 2003

Samples Validated:

EPM Sample ID	Laboratory Sample ID
RW	0306-00445-001
RWMS	0306-00445-001M
RWMSD	0306-00445-001P
DUP	0306-00445-002
DIST	0306-00445-003
Trip Blank	0306-00445-004
STEFF	0306-00445-005

Validation Protocols/ References:

U.S. Environmental Protection Agency (USEPA) Standard Operating Procedure for the Validation of Organic Data Acquired Using Method 524.2 (Revision 4.1, 1995), Revision 1, October 2001.

U.S. Environmental Protection Agency (USEPA) Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry, Method 524.2, Methods for Chemical Analysis of Water and Wastes, 1995.

U.S. Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review, 1999.

INTRODUCTION

Data qualification provides guidance regarding data usability. As part of the environmental laboratory analytical reporting process under most environmental methods of analysis, the laboratory is required to append data qualifiers to reported analytical observations to account for minor, acceptable QC deficiencies that arise during the course of standard operations. As part of the analytical data validation process, additional data qualifiers may be applied. These qualifiers are applied for other QC deficiencies that impact data quality but that may not have been identified by the laboratory or that may not be part of the reporting requirement of the applied analytical method. In many cases, the laboratory may be compliant with the requirements of the applied analytical methods but may not be compliant with the data validation review protocols.

In general, the data qualifiers are intended to assist the data user with the overall data interpretation by serving as descriptive indicators of the data quality of the associated analytical observations. There are a number of other data qualifiers that describe the representativeness of the associated data and also serve to provide information about the quality of the associated control data.

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. When data are qualified as estimated (qualified "J"), there generally is no information on the quantitative impact on the associated result although there may be useful information on the direction of bias of the result

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be confirmed. In some cases, sample data are qualified as unusable and rejected (qualified "R") due to major method non-compliance or extreme deficiencies in associated QC data. In these cases, there is no information as to the presence or absence of the rejected analyte in the affected sample.

VALIDATION SUMMARY

The analytical data has been reviewed in accordance with the appropriate regulatory guidelines and/or associated analytical methodology. If required, the data has been qualified, negated, or rejected according to applicable validation protocols and professional judgment. The analytical validation was performed based upon the following parameters:

* Completeness of data package
Blank Contamination
* Hold Times
* GC/MS Performance Check (Tuning) Summaries
* System Monitoring Compound (Surrogate) Recoveries
* Internal Standard Area Performance
Initial and Continuing Calibration Results
* Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Summaries
* Laboratory Control Sample
* Target Compound Identification and Quantitation
++ Tentatively Identified Compounds

* All criteria were met for this parameter
++ Area not examined

OVERALL DATA ASSESSMENT

The volatile organics data was validated for compliance with the requirements set forth in Method 524.2 and as described by the National Functional Guidelines for Organic Data Review. With regard to the data package deliverables, most of the data deliverable requirements were met, with the exception of some minor correctable deficiencies. Please note that these deficiencies do not impact data usability. Overall, Scilab Boston has submitted analytical data of acceptable completeness and known quality.

VOLATILE ORGANIC RESULTS

Scilab Boston reports non-detected organic results generated by using Method 524.2 "CRDL U" at the corresponding reporting limits.

Blank Contamination

Laboratory method blanks are clean liquid and/or solid matrix samples prepared by the laboratory and analyzed in the same manner as the investigative samples. Water laboratory method blanks are used to ensure that the investigative samples are not contaminated during the sample preparation, sample analysis or from previous sample (instrument carry-over).

Field-blanks consist of deionized water poured over or through decontaminated sampling equipment and collected into the sample bottles. Field-blanks measure contamination potentially caused by improper decontamination of sampling equipment. Trip-blanks are carbon-free deionized water samples that accompany volatile investigative samples during all stages of shipment, storage and analysis. The trip-blanks are used to assess the potential for artificial introduction of volatile compounds into the investigative samples during the transportation and sample handling processes.

- The VOA target compound, methylene chloride, was detected in the method blank (1.2 µg/L), storage blank (1.5 µg/L) and trip blank sample (2.9 µg/L) associated with Scilab

Report 0306-00445. The positive methylene chloride results in the associated project samples are ≤ 5x the concentration in the associated blanks and therefore are qualitatively questionable and negated due to laboratory contamination.

Hold Times

Technical hold times were assessed by comparing the sample dates with that of the preparation dates and/or analysis dates. The laboratory cooler receipt temperature associated with the reviewed Scilab Report 0306-00445 fell within the 4°C (±2°C) requirement. All volatile analyses performed on associated samples were within the required hold times. No qualifier is required.

Internal Standard Area Performance

Internal standards are analytes of interest, which are added to the investigative samples prior to analysis to ensure that GC/MS sensitivity and responses remain stable. Internal standards are reported with the volatile analyses.

The volatile internal standard area counts and retention times fell within control limits for the associated project samples. No qualifier is required.

Matrix Spike/Matrix Spike Duplicate

Matrix spikes are samples spiked with known concentrations of analytes of interest. The MS/MSD percent recoveries and duplicate results are used to assess extraction efficiencies, possible matrix effects, and overall analytical accuracy and precision.

A matrix spike/matrix spike duplicate was performed on EPM Sample RW. The volatile percent recoveries and relative percent differences fell within control limits, providing a positive indication of the overall accuracy associated with these analyses. No qualifier is required.

Laboratory Control Sample

The laboratory control sample (LCS) and/or blank spike (BS) are blank samples fortified (spiked) with known concentrations of analytes of interest. The percent recoveries of the LCS and/or BS are used to assess extraction efficiencies, and overall analytical accuracy and precision.

The volatile LCS/BS results fell within acceptable control limits. No qualifier is required.

System Monitoring Compounds (Surrogates)

System monitoring compounds are those compounds that are not expected to be detected in the investigative samples but that are chemically similar to analytes of interest. Surrogate compound percent recoveries are used to assess extraction efficiencies, possible matrix effects and overall analytical accuracy.

- The recoveries of the volatile surrogates, 4-bromofluorobenzene (BFB) and 1,2-dichlorobenzene-d4 (DCB), fell within control limits for all samples associated with Scilab Report 0306-00445. No qualifier is required.

Initial Calibration and Continuing Calibration Results

Control limits for initial and continuing instrument calibrations are established to ensure that the instrument is capable of producing accurate quantitative data at the beginning and throughout each of the analyses.

The volatile initial and continuing calibration response factors (RRF), percent relative standard deviations (%RSD) and percent differences (%D) fell within acceptable control limits with the exception of methylene chloride (63%RSD) and 1,2-dibromo-3-chloropropane (0.010 RRF). No qualifier is required since methylene chloride was calibrated using linear regression ($r > 0.990$) as indicated in the case narrative. However, the non-detected 1,2-dibromo-3-chloropropane results for the associated samples are regarded as estimated values and flagged (UJ) since the RRF ≤ 0.05 in the initial calibration.

In the volatile five-point initial calibration, the RRFs for the lowest calibration standard (0.5 ppb) were omitted for the calculation of the %RSD for target compounds dibromochloromethane, bromoform and 1,2-dibromo-3-chloropropane. No qualifier is required since there is minimal impact on the data quality and also that EPA Method 524.2 allows for a minimum of three-point calibration. Accordingly, the CRDL for dibromochloromethane, bromoform and 1,2-dibromo-3-chloropropane reflect the lowest concentration of the standard used in the initial calibration (1.0 µg/L). No qualifier is required.

GC/MS Performance Check (Tuning) Summaries

Gas chromatograph/mass spectrometer (GC/MS) instrument tuning and performance checks are performed to ensure the instrument's ability to provide appropriate mass-resolution, identification and sensitivity.

The bromofluorobenzene (BFB) tuning compound mass-ion abundance criteria for the volatile organic compound analyses were reported within control limits. All samples were analyzed within eight hours of BFB injection. No qualifier is required.

Compound Identification and Quantitation

The laboratory calculations are verified and compound identifications are reviewed and assessed by the data reviewer.

In the course of the analytical procedures, it is sometimes necessary to dilute or reanalyze a sample. Frequently, the original analysis and dilution and/or reanalysis are reported by the laboratory and included in the report. Sample RW was analyzed at a 1:2 dilution resulting in elevated detection limits, due to target compound, tetrachloroethene, concentration exceeding the linear calibration range requirements. No qualifier is required.

Tentatively Identified Compounds

Area not examined, validation not requested.

Laboratory Chronicle

EPM Sample ID	Scilab Sample ID	Sample Matrix	Date Collected	Date Received	Date Extracted	Date Analyzed	Analysis
RW	0306-00445-001	water	6/25/2003	6/26/2003	n/a	7/3/2003	Volatiles +10
DUP	0306-00445-002	water	6/25/2003	6/26/2003	n/a	7/3/2003	Volatiles +10
DIST	0306-00445-003	water	6/25/2003	6/26/2003	n/a	7/3/2003	Volatiles +10
Trip Blank	0306-00445-004	water	6/25/2003	6/26/2003	n/a	7/3/2003	Volatiles +10
STEFF	0306-00445-005	water	6/25/2003	6/26/2003	n/a	7/3/2003	Volatiles +10

Volatiles Method 524.2

Instrument Performance Check (BFB)

7/2/2003 meets QC requirements
7/3/2003 meets QC requirements

Initial Calibration 2-Jul-03

Compound	0.5 RRF		1 RRF		10 RRF		15 RRF		25 RRF		Mean	STDEV	%RSD	
Fluorobenzene (IS)	11401747		13377745		12972873		11856141		14373121					
Vinyl Chloride	202600	0.355	482217	0.360	5034909	0.388	7000069	0.394	12065929	0.336	0.367	0.024	6.55	
1,1-dichloroethene	133961	0.235	279740	0.209	2911836	0.224	4078653	0.229	6894596	0.192	0.218	0.017	8.01	
Methylene Chloride	253680	0.445	409595	0.306	2392712	0.184	3508264	0.197	5154963	0.143	0.255	0.122	47.76	linear regression (r > 0.990)
tetrachloroethene	127202	0.223	368170	0.275	3602238	0.278	4863392	0.273	8739036	0.243	0.259	0.024	9.39	
Carbon tetrachloride	115180	0.202	339092	0.253	3307281	0.255	5174459	0.291	10049858	0.280	0.256	0.034	13.38	
Bromoform	13642	0.024	66832	0.050	740196	0.057	1030201	0.058	1517317	0.042	0.052	0.007	14.11	
Trichloroethene	140419	0.246	349425	0.261	3461886	0.267	4682839	0.263	8106759	0.226	0.253	0.017	6.74	
BFB	2490189	0.218	3149313	0.235	3028616	0.233	2767207	0.233	3376827	0.235	0.231	0.007	3.10	

All %RSD's <20% except for methylene chloride (calculated using linear regression)

Continuing Calibration VSTD010 7/03/03

Compound	10 RRF		% D	Status
Fluorobenzene (IS)	12485593			
Vinyl Chloride	4434072	0.3551	3.1	ok
1,1-dichloroethene	2685924	0.2151	1.3	ok
Methylene Chloride	2213346	0.1773	30.6	out
tetrachloroethene	3370980	0.2700	-4.4	ok
Carbon tetrachloride	3974319	0.3183	-24.2	ok
Bromoform	606817	0.0486	6.2	ok
Trichloroethene	3246635	0.2600	-2.9	ok
BFB	2831512	0.2268	1.9	ok

All %D's <30% except for methylene chloride

Surrogate Recovery	BFB	Status	1,2-dichlorobenzene-d4	Status	Limits
VBLK01	95	ok	86	ok	80-120
RW	98	ok	89	ok	80-120
RWMS	98	ok	101	ok	80-120
RWMSD	99	ok	103	ok	80-120
STEFF	100	ok	90	ok	80-120
DIST	95	ok	86	ok	80-120
DUP	97	ok	89	ok	80-120
Trip Blank	95	ok	87	ok	80-120
MSB01	98	ok	101	ok	80-120

Internal Standard Summary

All project samples were analyzed within the internal standard area and retention time control limits.

Blanks	Result	
Method Blank VBLK01	1.2 ug/L methylene chloride	The positive methylene chloride results in the samples are less than 5x the
Storage Blank	1.5 ug/L methylene chloride	concentration in the associated blanks, therefore the results are negated due to
Trip Blank	2.9 ug/L methylene chloride	laboratory contamination as indicated in the blanks.

Prepared by Julie Smith 9/23/2003

QC	Amt in Sample	Matrix Spike	%R	MSD	%R	RPD	%R 70-130	RPD 15
Vinyl Chloride	ND	17.3	87	18.2	91	5	70-130	15
Methylene Chloride	2.1	27.5	127	26.7	123	-3	70-130	15
Chloroform	ND	20.3	102	20.6	103	1	70-130	15
Bromochloromethane	ND	19.6	98	20.7	104	5	70-130	15
Trichloroethene	1.5	22	103	22.1	103	0	70-130	15
Tetrachloroethene	32.7	57	122	55.3	113	-7	70-130	15
Dibromochloromethane	ND	18.8	94	19.3	97	3	70-130	15
Bromodichloromethane	ND	20.3	102	20.6	103	1	70-130	15

Outside QC limits

Sample Results

ug/L= (area of compound)(amt of IS in nanograms) x df / (area of IS)(RRT)

Sample ID RW Lab ID 0306-00445-0013

						Result	Reported
Trichloroethene	266985	10	2	5339700			
	14104947	0.253	=	3568551.59	=	1.50 ug/L	1.5 ug/L
Tetrachloroetnene	5958922	10	2	119178440			
	14104947	0.2580	=	3639076.33	=	32.75 ug/L	33 ug/L
cis-1,2-dichloroethene	235629	10	2	4712580			
	14104947	0.2400	=	3385187.28	=	1.39 ug/L	1.4 ug/L

APPENDIX B
LABORATORY ANALYSIS SUMMARY REPORT

SCILAB

Eight School Street
Weymouth, MA 02189
781-337-9334

Laboratory Report

Report Date 07/10/2003
Workorder No. 0306-00445

Customer: Environmental Planning & Mgmt.
1983 Marcus Avenue
Suite 109
Lake Success, NY 11042

Attention: Francesco Portelos

Subject: KATONAH

Sample: 001 RW (MS/MSD)
Date: 06/25/2003 **Time:** 10:00:00AM
Matrix: WATER

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Drinking Water Volatiles			ug/L		NAC	07/03/2003	
Dichlorodifluoromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Chloromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Vinyl Chloride	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Bromomethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Chloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Trichlorofluoromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1-Dichloroethene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Methylene Chloride	EPA 524.2	2.1	ug/L	1.0	NAC	07/03/2003	B
Methyl-Tert-Butyl-Ether	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Trans-1,2-Dichloroethene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1-Dichloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
2,2-Dichloropropane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
cis-1,2-Dichloroethene	EPA 524.2	1.4	ug/L	1.0	NAC	07/03/2003	
Chloroform	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Bromochloromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1,1-Trichloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1-Dichloropropene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Carbon Tetrachloride	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2-Dichloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Benzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Trichloroethene	EPA 524.2	1.5	ug/L	1.0	NAC	07/03/2003	
1,2-Dichloropropane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Bromodichloromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Dibromomethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
cis-1,3-Dichloropropene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Toluene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 NJ: 59744

SCILAB

Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 001 RW (MS/MSD)
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
trans-1,3-Dichloropropene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1,2-Trichloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,3-Dichloropropane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Tetrachloroethene	EPA 524.2	33	ug/L	1.0	NAC	07/09/2003	
Dibromochloromethane	EPA 524.2	ND	ug/L	2.0	NAC	07/09/2003	
1,2-Dibromoethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Chlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Ethylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
m & p-Xylene	EPA 524.2	ND	ug/L	2.0	NAC	07/03/2003	
o-Xylene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Styrene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Bromoform	EPA 524.2	ND	ug/L	2.0	NAC	07/03/2003	
Isopropylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2,3-Trichloropropane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
n-Propylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Bromobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,3,5-Trimethylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
2-Chlorotoluene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
4-Chlorotoluene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
tert-Butylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2,4-Trimethlybenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
sec-Butylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
4-Isopropyltoluene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,3-Dichlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,4-Dichlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
n-Butylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2-Dichlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2-Dibromo-3-Chloropropan	EPA 524.2	ND	ug/L	2.0	NAC	07/03/2003	
1,2,4-Trichlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Hexachlorobutadiene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Naphthalene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2,3-Trichlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
4-BROMOFLUOROBENZEN		98.4	%		NAC	07/03/2003	
1,2-DICHLOROBENZENE-D		89.3	%		NAC	07/03/2003	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 NJ: 59744

SCILAB

Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 002 DUP
Date: 06/25/2003 **Time:** 10:15:00AM
Matrix: WATER

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Drinking Water Volatiles			ug/L		NAC	07/03/2003	
Dichlorodifluoromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Chloromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Vinyl Chloride	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Bromomethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Chloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Trichlorofluoromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1-Dichloroethene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Methylene Chloride	EPA 524.2	2.1	ug/L	1.0	NAC	07/09/2003	B
Methyl-Tert-Butyl-Ether	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Trans-1,2-Dichloroethene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1-Dichloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
2,2-Dichloropropane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
cis-1,2-Dichloroethene	EPA 524.2	1.4	ug/L	1.0	NAC	07/03/2003	
Chloroform	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Bromochloromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1,1-Trichloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1-Dichloropropene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Carbon Tetrachloride	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2-Dichloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Benzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Trichloroethene	EPA 524.2	1.6	ug/L	1.0	NAC	07/03/2003	
1,2-Dichloropropane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Bromodichloromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Dibromomethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
cis-1,3-Dichloropropene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Toluene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
trans-1,3-Dichloropropene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1,2-Trichloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,3-Dichloropropane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Tetrachloroethene	EPA 524.2	35	ug/L	1.0	NAC	07/09/2003	
Dibromochloromethane	EPA 524.2	ND	ug/L	2.0	NAC	07/03/2003	
1,2-Dibromoethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Chlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 NJ: 59744

SCILAB

Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 002 DUP
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Ethylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
m & p-Xylene	EPA 524.2	ND	ug/L	2.0	NAC	07/03/2003	
o-Xylene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Styrene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Bromoform	EPA 524.2	ND	ug/L	2.0	NAC	07/03/2003	
Isopropylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2,3-Trichloropropane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
n-Propylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Bromobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,3,5-Trimethylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
2-Chlorotoluene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
4-Chlorotoluene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
tert-Butylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2,4-Trimethlybenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
sec-Butylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
4-Isopropyltoluene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,3-Dichlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,4-Dichlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
n-Butylbenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2-Dichlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2-Dibromo-3-Chloropropan	EPA 524.2	ND	ug/L	2.0	NAC	07/03/2003	
1,2,4-Trichlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Hexachlorobutadiene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Naphthalene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2,3-Trichlorobenzene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
4-BROMOFLUOROBENZEN		97.2	%		NAC	07/03/2003	
1,2-DICHLOROBENZENE-D		89.3	%		NAC	07/03/2003	

Sample: 003 DIST
Date: 06/25/2003 Time: 10:20:00AM
Matrix: WATER

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Drinking Water Volatiles			ug/L		NAC	07/03/2003	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA.2050 NJ: 59744

SCILAB

Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 003 DIST
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Dichlorodifluoromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Vinyl Chloride	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromomethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trichlorofluoromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Methylene Chloride	EPA 524.2	0.7	ug/L	0.50	NAC	07/09/2003	B
Methyl-Tert-Butyl-Ether	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trans-1,2-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
2,2-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
cis-1,2-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloroform	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromochloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,1-Trichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Carbon Tetrachloride	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Benzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromodichloromethane	EPA 524.2	1.3	ug/L	0.50	NAC	07/09/2003	
Dibromomethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
cis-1,3-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Toluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
trans-1,3-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,2-Trichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Tetrachloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Dibromochloromethane	EPA 524.2	2.9	ug/L	1.0	NAC	07/09/2003	
1,2-Dibromoethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Ethylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
m & p-Xylene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
o-Xylene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 NJ: 59744

SCILAB

Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 003 DIST
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Styrene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromoform	EPA 524.2	2.5	ug/L	1.0	NAC	07/09/2003	
Isopropylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,3-Trichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
n-Propylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3,5-Trimethylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
2-Chlorotoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-Chlorotoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
tert-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,4-Trimethlybenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
sec-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-Isopropyltoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,4-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
n-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dibromo-3-Chloropropan	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2,4-Trichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Hexachlorobutadiene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Naphthalene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,3-Trichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-BROMOFLUOROBENZEN		94.6	%		NAC	07/03/2003	
1,2-DICHLOROBENZENE-D		85.8	%		NAC	07/03/2003	

Sample: 004 TB
Date: 06/25/2003
Matrix: WATER

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Drinking Water Volatiles			ug/L		NAC	07/03/2003	
Dichlorodifluoromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Vinyl Chloride	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromomethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 NJ: 59744

SCILAB

Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 004 TB
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Chloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trichlorofluoromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Methylene Chloride	EPA 524.2	2.9	ug/L	0.50	NAC	07/09/2003	B
Methyl-Tert-Butyl-Ether	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trans-1,2-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
2,2-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
cis-1,2-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloroform	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromochloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,1-Trichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Carbon Tetrachloride	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Benzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromodichloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Dibromomethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
cis-1,3-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Toluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
trans-1,3-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,2-Trichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Tetrachloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Dibromochloromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2-Dibromoethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Ethylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
m & p-Xylene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
o-Xylene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Styrene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromoform	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Isopropylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 NJ: 59744

SCILAB

Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 004 TB
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
1,2,3-Trichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
n-Propylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3,5-Trimethylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
2-Chlorotoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-Chlorotoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
tert-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,4-Trimethlybenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
sec-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-Isopropyltoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,4-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
n-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dibromo-3-Chloropropan	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2,4-Trichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Hexachlorobutadiene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Naphthalene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,3-Trichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-BROMOFLUOROBENZEN		95.3	%		NAC	07/03/2003	
1,2-DICHLOROBENZENE-D		86.6	%		NAC	07/03/2003	

Sample: 005 STEFF
Date: 06/25/2003 Time: 10:25:00AM
Matrix: WATER

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Drinking Water Volatiles			ug/L		NAC	07/03/2003	
Dichlorodifluoromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Vinyl Chloride	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromomethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trichlorofluoromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Methylene Chloride	EPA 524.2	0.6	ug/L	0.50	NAC	07/09/2003	B

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 NJ: 59744

SCILAB

Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 005 STEFF
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Methyl-Tert-Butyl-Ether	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trans-1,2-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
2,2-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
cis-1,2-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloroform	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromochloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,1-Trichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Carbon Tetrachloride	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Benzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromodichloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Dibromomethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
cis-1,3-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Toluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
trans-1,3-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,2-Trichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Tetrachloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Dibromochloromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2-Dibromoethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Ethylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
m & p-Xylene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
o-Xylene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Styrene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromoform	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Isopropylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,3-Trichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
n-Propylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3,5-Trimethylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 NJ: 59744

SCILAB

Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 005 STEFF
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
2-Chlorotoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-Chlorotoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
tert-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,4-Trimethlybenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
sec-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-Isopropyltoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,4-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
n-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dibromo-3-Chloropropan	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2,4-Trichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Hexachlorobutadiene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Naphthalene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,3-Trichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-BROMOFLUOROBENZEN		95.4	%		NAC	07/03/2003	
1,2-DICHLOROBENZENE-D		85.4	%		NAC	07/03/2003	

Sample: 006 STORAGE BLANK
Date: 06/26/2003 Time: 12:00:00PM
Matrix: WATER

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Drinking Water Volatiles			ug/L		NAC	07/03/2003	
Dichlorodifluoromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Vinyl Chloride	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromomethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trichlorofluoromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Methylene Chloride	EPA 524.2	1.5	ug/L	0.50	NAC	07/09/2003	B
Methyl-Tert-Butyl-Ether	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trans-1,2-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
2,2-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	

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Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 006 STORAGE BLANK
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
cis-1,2-Dichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chloroform	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromochloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,1-Trichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Carbon Tetrachloride	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Benzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Trichloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromodichloromethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Dibromomethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
cis-1,3-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Toluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
trans-1,3-Dichloropropene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,2-Trichloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3-Dichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Tetrachloroethene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Dibromochloromethane	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2-Dibromoethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Chlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Ethylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
m & p-Xylene	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
o-Xylene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Styrene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromoform	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
Isopropylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,3-Trichloropropane	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
n-Propylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Bromobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3,5-Trimethylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
2-Chlorotoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-Chlorotoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
tert-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,4-Trimethlybenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	

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Customer: Environmental Planning & Mgmt.

Workorder No. 0306-00445

Sample: 006 STORAGE BLANK
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
sec-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-Isopropyltoluene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,3-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,4-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
n-Butylbenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2-Dibromo-3-Chloropropan	EPA 524.2	ND	ug/L	1.0	NAC	07/03/2003	
1,2,4-Trichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Hexachlorobutadiene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
Naphthalene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
1,2,3-Trichlorobenzene	EPA 524.2	ND	ug/L	0.50	NAC	07/03/2003	
4-BROMOFLUOROBENZEN		102.5	%		NAC	07/03/2003	
1,2-DICHLOROBENZENE-D		92.9	%		NAC	07/03/2003	

To the best of my knowledge this report is true and accurate.

Authorized By: _____

Nicole Ingersoll, Technical Director

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 NJ: 59744

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SCILAB BOSTON, INC.
8 SCHOOL STREET
WEYMOUTH, MA 02189
781.337.9334 PH 781.337.7642 FAX

SCILAB JOB NO: 0306-445 | PAGE 1 OF 1

DUE DATE: ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☐ 7 DAY ☒ 10 DAY

TEMP UPON RECEIPT: 2.4°C

DATA PACKAGE:

P.O.#

COMPANY: Environmental Planning + Mgmt.

ADDRESS: 1483 Marcus Ave. #104

PHONE: 516-328-1184 FAX 1: 516-328-1381 FAX 2:

CLIENT CONTACT: F. Portelos EMAIL: fportelos@epmco.com

PROJECT NAME: Katonah PROJECT NUMBER: 22001 PROJECT STATE: NY

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER

CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING DATE	SAMPLING TIME	SAMPLING TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE PH AT LOGIN	Volatile VOC 524.2 Rev 3	Notes
1	RW	A		V	2	6/25/03	10:00am	F.P.	G	HCL/Ice		X	MDL < .5ug/l include TICS; NYS ASPB Package
1	RW MS/MSD	↓		↓	2	↓	10:05	↓	↓	↓		X	
2	DUP	↓		↓	1	↓	10:15	↓	↓	↓		X	
3	DIST	↓		↓	2	↓	10:20	↓	↓	↓		X	
4	TB	↓		↓	1	↓		↓	↓	↓		X	
5	Steff	A		V	2	↓	10:25	↓	G	↓		X	

SAMPLED BY: (PRINT) Francesco Portelos DATE: 6/25/03
(SIGN) [signature] TIME: 10:00AM

RELINQUISHED BY: (PRINT) Same DATE: 6/25/03
(SIGN) [signature] TIME: 5:00PM

RELINQUISHED BY: (PRINT) DATE:
(SIGN) TIME:

RECEIVED BY: (PRINT) DATE:
(SIGN) TIME:

RECEIVED BY: (PRINT) DATE:
(SIGN) TIME:

RECEIVED FOR LABORATORY BY: MARK PORTA DATE: 6/26/03
(SIGN) [signature] TIME: 9:30