



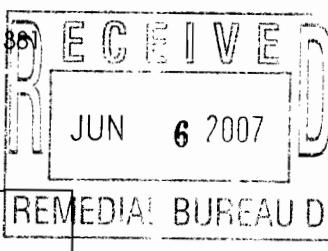
1983 Marcus Ave., Suite 109  
Lake Success, New York 11042  
(516) 328-1194  
Fax (516) 328-1861

## **LETTER OF TRANSMITTAL**

Date: 06/05/07	Job No. 27001
Attention: <b>Mr. Carl Hoffman</b>	
Re: <b>Katonah Quarterly Water Monitoring</b>	

TO:

**NYSDEC  
625 Broadway  
Albany, NY 12233-7013**



**WE ARE SENDING YOU:**  Included  Under separate cover via \_\_\_\_\_ the following items:

- Shop Drawings     Prints     Plans     Qualifications     Specifications  
 Copy of Letter     Report

COPIES	DATE	NO.
1	6/5/07	Katonah Quarterly Water Monitoring Report

THESE ARE TRANSMITTED AS INDICATED BELOW:

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| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted        | <input type="checkbox"/> Submit _____ Copies for distribution |
| <input checked="" type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _____ Corrected Prints        |
| <input type="checkbox"/> For review & comment    |   |   |

## REMARKS

If there are any questions, please call me.

---

COPY TO File

SIGNED

M. M. V.  
A. STACEY 60601



James Hahn  
James J. Hahn Engineering  
Putnam Business Park  
1689 Route 22  
Brewster, NY 10509

May 130, 2007

Dear Mr. Hahn:

Enclosed please find the quarterly monitoring report for the end of the 1<sup>st</sup> quarter of 2007 for the Katonah Municipal Well, Town of Bedford, Westchester County, New York (NYSDEC Site ID # 3-60-007).

Please call me with any questions.

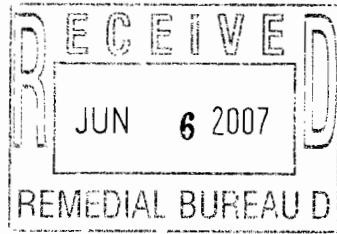
Sincerely,



Francesco Portelos  
Project Engineer

A handwritten signature in black ink, appearing to read "Francesco Portelos". Below the signature, the name "Francesco Portelos" is printed in a standard font, followed by "Project Engineer" on a new line.

cc: Kenneth Caffrey, PE, NYSDOH  
Carl Hoffman, NYSDEC  
William Nixon, Town of Bedford  
Paul Kutzy, Westchester County DOH  
Damian Duda, USEPA Region 2



**GROUNDWATER QUALITY MONITORING  
QUARTERLY REPORT  
MARCH 2007  
KATONAH MUNICIPAL WELL  
TOWN OF BEDFORD  
WESTCHESTER, NEW YORK  
NYSDEC SITE ID # 3-60-007**

**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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### **APPENDICES**

Appendix A - Data Validation Groundwater Monitoring Quarterly Report

Appendix B - Laboratory Analysis Report

## **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 end of the 1<sup>st</sup> quarter of 2007. Sampling of the remedial system was conducted on March 29, 2007.

## **2.0 SAMPLE COLLECTION**

Environmental Planning & Management, Inc., collected samples on March 29, 2007. Three sample sets were collected from sampling taps; the raw water sampling tap (RW), the stripper number two effluent sampling tap (STEFF), and the distribution sampling tap (DIST). One field duplicate sample (DUP) was collected on March 29, 2007 of the RW sampling tap. Samples were also collected from two monitoring wells, W4 and W11. 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 Chemtech , in accordance with CLP methods, for volatile organics (Principal Organic Contaminants), by method 524.2, revision number 3.

### **3.0 FINDINGS**

#### **VOC Analysis**

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 (untreated) sample, RW, at a concentration of 18ug/l (ppb), exceeding the NYSDOH drinking water standard for that compound.

One VOC, Methylene Chloride was detected in the treated (stripper number 2) water sample, STEFF, at a concentration of .5ppb. These values are well below the NYSDOH drinking water standards.

Two VOC's, Dibromochloromethane and Bromodichloromethane were found in the distribution water sample, DIST, at concentrations of 4.1ppb and 1.6ppb respectively. These values are well below the NYSDOH drinking water standards.

No VOC's, were detected in the field blank water sample, FB.

Analytical results found in DUP, a duplicate sample of the Raw Water sample, RW, are similar.

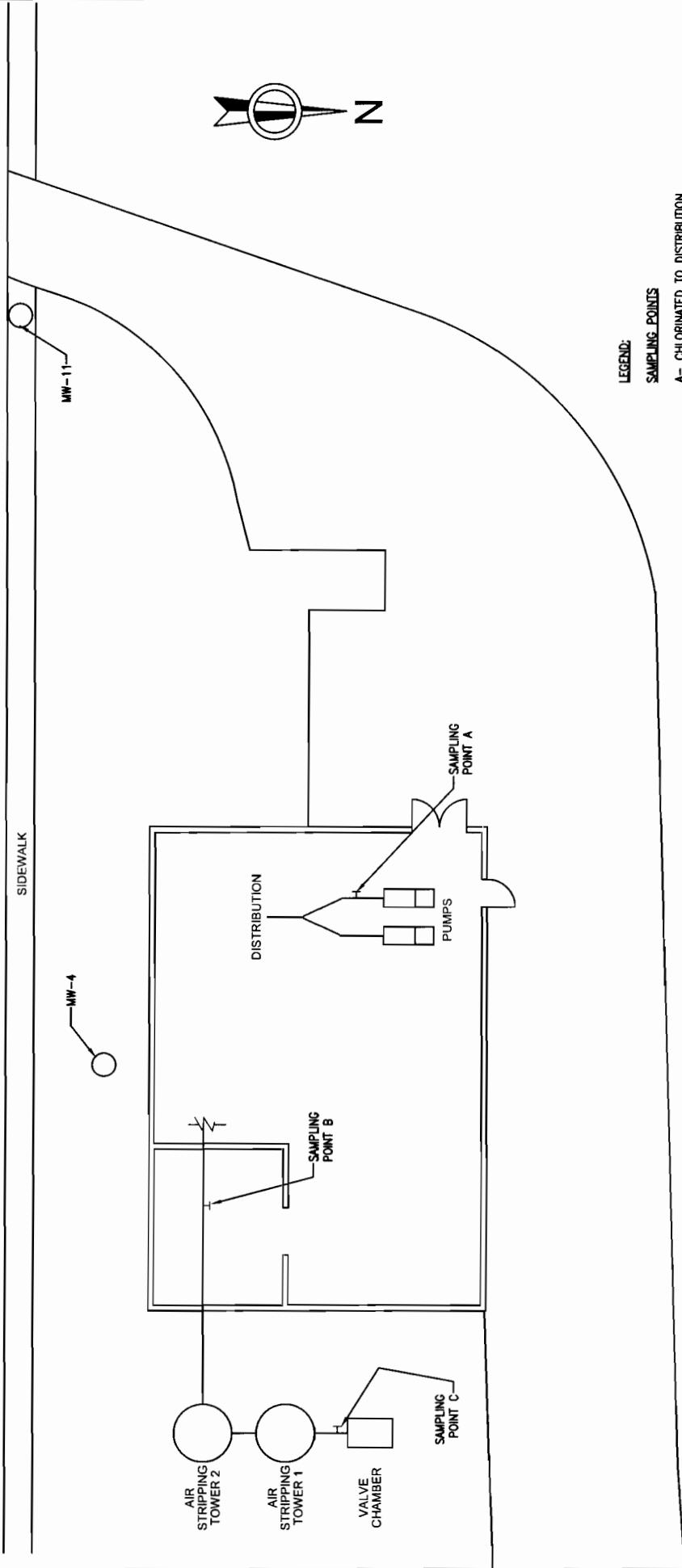
No VOC's, were detected in monitoring well 4, W4.

No VOC's, were detected in monitoring well 11, W11.

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 decreased 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.

# 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

ENVIRONMENTAL PLANNING & MANAGEMENT, INC. 1983 MARCUS AVENUE LAKE SUCCESS, NEW YORK 11042	DRAWN BY:	AMR	DATE:	PROJECT LOCATION: KATONAH MUNICIPAL WATER SYSTEM	TITLE: KATONAH MUNICIPAL WATER SYSTEM	SIMPLIFIED SAMPLING LOCATION SCHEMATIC	DRAWING NO:
	CHECKED BY:	FP	FILENAME: KATONAH				
	APPR'D BY:	ASG	SCALE: NOT TO SCALE				
			PATH: C:\AMR\BEDFORD\KATONAH\22001DINGS				

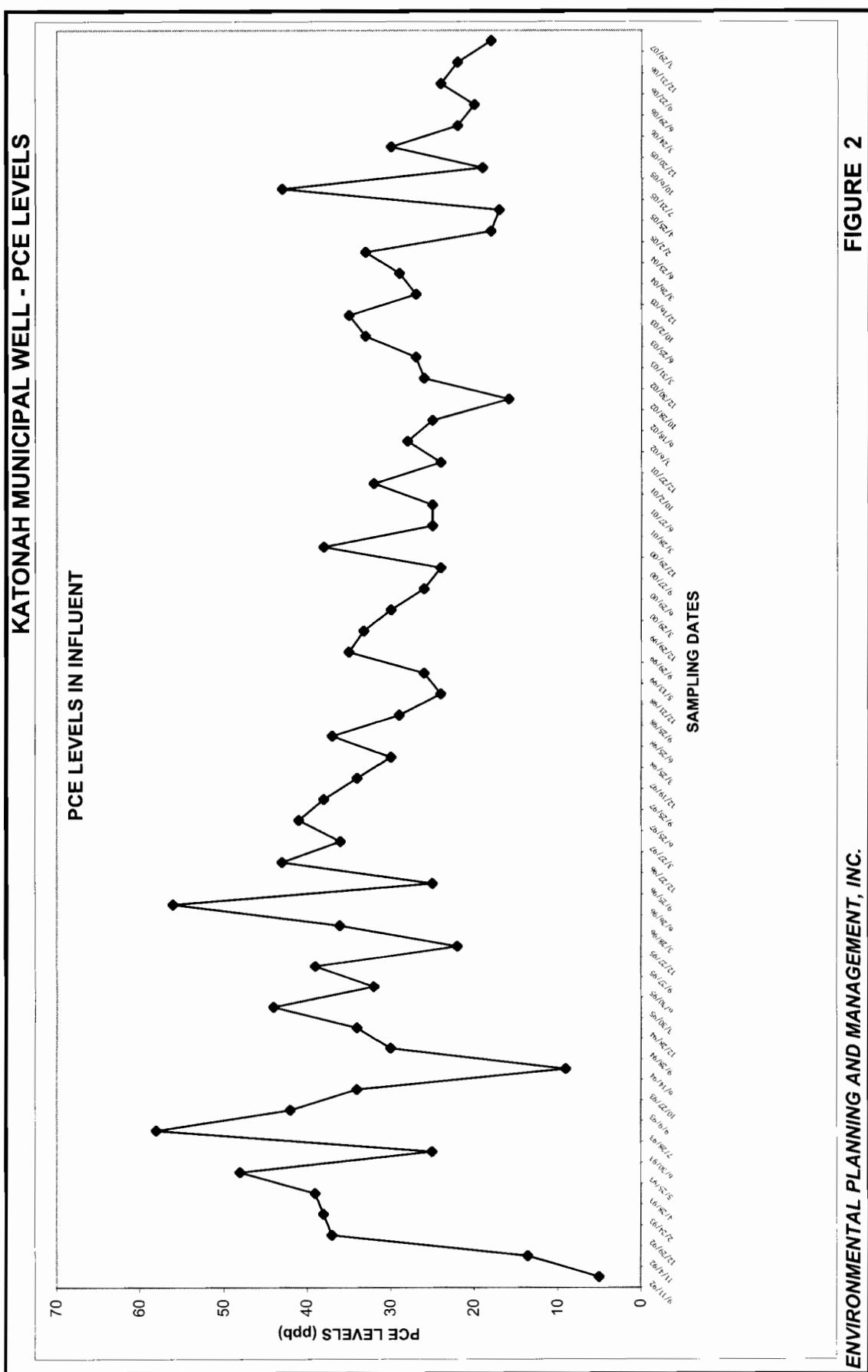
**PM**  
**EM**

**FIG. 1**  
SHEET 1 OF 1

Table 1 - SUMMARY OF QUARTERLY VOC RESULTS  
KATONAH MUNICIPAL WELL

Date Collected	Sample Location	3/29/2007						
		Raw Water (Influent)	RW DUP	STEFF (Treated Water)	DIST (Distribution Water)	W4 (Well 4)	W11 (Well 11)	FB (Field Blank)
<b>Volatile Organic Compounds (ppb)</b>								
Tetrachloroethene	18 J	18 J	0.16 UJ	0.16 UJ	0.2 J	0.4 J	0.16 UJ	5/1*
Trichloroethene	0.6 J	0.6 J	0.15 UJ	0.15 UJ	0.3 J	0.15 UJ	0.15 UJ	5
cis-1,2-Dichloroethene	0.9 J	0.8 J	0.12 UJ	0.12 UJ	0.5 J	0.12 UJ	0.12 UJ	5
Methylene Chloride	0.27 UJ	0.27 UJ	0.5 J	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ	5
Dibromochloromethane	0.17 UJ	0.17 UJ	0.17 UJ	4.1 J	0.17 UJ	0.17 UJ	0.17 UJ	50
Bromodichloromethane	0.17 UJ	0.17 UJ	0.17 UJ	1.6 J	0.17 UJ	0.17 UJ	0.17 UJ	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 as well.



**FIGURE 2**

**ENVIRONMENTAL PLANNING AND MANAGEMENT, INC.**

#### **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. EPM will communicate with the Town of Bedford Water Department to schedule a date when all the taps are available for sampling.

The next sampling event, the end of the second quarterly event for year sixteen, is tentatively scheduled for the end of June 2007.

## **APPENDIX A**

**Katonah Municipal Well Site  
Data Validation  
Groundwater Quality Monitoring  
Quarterly Report - March 2007**

**Samples Collected by Environmental Planning & Management, Inc.  
Samples Analyzed by Chemtech**

**Data Validation Performed by:**

**Andrea Schuessler  
Environmental Chemist**

# **DATA VALIDATION REPORT #4**

## **VOLATILE ORGANIC ANALYSES**

### **WATER SAMPLES**

Katonah Water Sampling 1st Quarter 2007 Project

Lab Project No. Y2134

Sampling Date of March 29, 2007

#### **PREPARED FOR:**

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

May 2007

#### **PREPARED BY:**

ChemWorld Environmental, Inc.  
14 Orchard Way North  
Rockville, Maryland 20854

(301) 294 - 6144 Phone and Fax  
Email: [chemworld@comcast.net](mailto:chemworld@comcast.net)

Katonah Water Sampling 1st Quarter 2007 Project  
Data Validation Report #4: Volatile Organic Analyses

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Introduction		1
1.0 Volatile Organics by GC/MS		1
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1.2 Surrogate Recovery		2
1.3 MS/MSD and LCS		2
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1.5 Blanks		2
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1.7 Internal Standards		3
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**Appendices**

- A Data Summary Forms: Volatile Organics
- B Data Qualifiers
- C Case Narratives
- D Chain-of-Custody Forms

**DATA VALIDATION SUMMARY #4:  
VOLATILE ORGANIC ANALYSES  
WATER SAMPLES**

**Katonah Water Sampling 1st Quarter 2007 Project**

**Lab Project No. Y2134**

**Sampling Date of March 29, 2007**

**INTRODUCTION**

This Data Validation Summary Report for organic analyses was generated for 6 water samples, 1 Field Blank and the associated quality control samples for Lab Project No. Y2134. Sampling activities were conducted in support of the field investigation for the Katonah Water Sampling 1st Quarter 2007 Project. The analytical laboratory work was performed by CHEMTECH Laboratories, Mountainside, NJ.

Analytical testing was performed for Volatile organic compounds using United States Environmental Protection Agency (USEPA) Method 524.2 by Gas Chromatography / Mass Spectrometry (GC/MS). This report provides a summary of data acceptability and deviations in accordance with the USEPA **Region II Standard Operating Procedure for the Validation of Organic Data Acquired Using Method 524.2 (October 2001)**; and the appropriate method from the New York State Department of Environmental Conservation (NYSDEC) Analytical Service Protocols (ASP), where applicable and relevant.

**1.0 VOLATILE ORGANICS BY GC/MS**

The following items/criteria were reviewed, as method appropriate:

- Completeness of Data Package
- Chain-of-Custody Forms
- Holding Times from Verified Time of Sample Receipt (VTSR)
- Surrogate Recovery
- Matrix Spike / Matrix Spike Duplicates (MS/MSD)
- Laboratory Control Sample (LCS)
- Calibration (Initial and Continuing)
- Blanks (Method and Field)
- GC/MS Instrument Performance Check
- Internal Standards
- Field Duplicates (Table 1)
- Compound Identification and Quantitation

All items above were generated within acceptable Quality Control (QC) specifications with deviations detailed as follows. All data reviewed is considered to be valid and usable with the appropriate qualifiers, as noted on the data summary forms in Appendix A and within the following text.

**1.1 Holding Times**

All of the samples except 'RW' were analyzed beyond the acceptable NYSDEC holding time of 10 days from Verified Time of Sample Receipt (VTSR) for the preserved water samples. The samples were analyzed 1 day beyond the holding time and were qualified as 'J', estimated, for the positive results and 'UJ', estimated, for the non-detectable results. These samples include: DUP, DIST, STEFF, W-4, W-11

and Field Blank (FB). However, it should be noted that the samples were analyzed within the USEPA Holding time of 14 days from collection for preserved water samples.

### **1.2 Surrogate Recovery**

All surrogate recovery was found to be generated within the acceptable limits for 4-Bromofluorobenzene and 1,2-Dichlorobenzene-d4.

### **1.3 MS/MSD and LCS**

One site-specific MS/MSD sample set using project sample RW and one LCS were analyzed for Lab Project No. Y2134. Acceptable accuracy (percent recovery) and precision (relative percent difference (RPD)) were generated for the QC samples. Qualification of the data set was not required.

### **1.4 Calibration**

All initial and continuing calibrations were performed within acceptable limits for the GC/MS analyses, with the exceptions as noted below. Review items included average Relative Response Factors (avgRRF), limit of  $\geq 0.05$ ; Percent Relative Standard Deviation (% RSD), limit of 20%; Relative Response Factors (RRF), limit of  $\geq 0.05$ ; and Percent Difference (% D), limit of 30%.

Initial Calibration, 04/10/2007:

Eight Volatile compounds generated avgRRF's at or above 0.01 but below 0.05. The compounds included: tert-butyl alcohol, Acrylonitrile, Acetone, 2-Butanone, t-1,4-Dichloro-2-butene, Propionitrile, Tetrahydrofuran and 1,2-Dibromo-3-chloropropane. The project samples were qualified as 'J', estimated, for the positive results and 'UJ', estimated, for the non-detectable results for the compounds noted. In addition, Methyl Acrylate, Naphthalene and Iodomethane generated RSD of >20%, in the range of 26.4% to 37.6%. Additional qualification was not required. Positive results were not detected for these compounds.

Continuing Calibration, 04/11/2007 at 12:28:

The same compounds noted above generated RRF's at  $> 0.01$  but  $< 0.05$  for the associated continuing calibration. Additional qualification of the data set was not required for these compounds.

### **1.5 Blanks**

#### **1.5.1 Field Blanks**

One Field Blank was collected on 3/29/07 and analyzed for Volatiles by Method 524.2. Methylene Chloride was detected in the Field Blank at 0.5 ug/L. However, this result was qualified as 'U', not detected, through Section 1.5.2 Method Blanks, below.

#### **1.5.2 Method Blanks**

Two method blanks were analyzed by Method 524.2 for Volatile organics for the water samples. Methylene Chloride was detected in Method Blank (VBLK02) at 0.3 ug/L. A limit of ten times this result was used for review and qualification of the associated water samples. The samples were qualified as 'U', not detected, at the Contract Required Quantitation Limit (CRQL) for Methylene Chloride, when the compound's presence was less than 10 times the method blank result and reported at less than the CRQL or at the CRQL.

### **1.6 GC/MS Instrument Performance Check**

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB).

### **1.7 Internal Standards**

The internal standard Fluorobenzene generated acceptable area counts and retention time variation for all of the project samples.

### **1.8 Field Duplicates**

Samples RW and DUP were collected as the field duplicate water samples and analyzed for Volatiles. Acceptable precision (Relative Percent Difference) was generated for all of the Volatiles for the duplicate pair. A limit of 20% was used to evaluate RPD. The calculated RPD for the duplicate pair ranged from 0% to 11.8%. Table 1 attached includes the calculated RPD's for the duplicates.

### **1.9 Compound Identification**

GC/MS qualitative analyses are considered to be acceptable for the data set. Retention times and mass spectra were generated within appropriate quality control specifications.

---

### **1.10 Compound Quantitation and Reported Detection Limits**

GC/MS quantitative analyses are considered to be acceptable. Sample dilutions, internal standards, and response factors were found to be within acceptable limits.

**Table 1**  
**Field Duplicate Precision Table**  
**Katonah Water Sampling 1st Quarter 2007 Project**  
**(All results in ug/L)**

\*RPD = Relative Percent Difference

**ND = Not Detected**

NC = Not Calculated

**ATTACHMENT A**



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	RW	SDG No.:	Y2134
Lab Sample ID:	Y2134-01	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006534.D	1	4/10/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
<b>TARGETS</b>						
75-71-8	Dichlorodifluoromethane	0.06	U	0.5	0.06	ug/L
74-87-3	Chloromethane	0.07	U	0.5	0.07	ug/L
75-01-4	Vinyl Chloride	0.07	U	0.5	0.07	ug/L
74-83-9	Bromomethane	0.23	U	0.5	0.23	ug/L
75-00-3	Chloroethane	0.17	U	0.5	0.17	ug/L
75-69-4	Trichlorofluoromethane	0.09	U	0.5	0.09	ug/L
75-65-0	tert-Butyl Alcohol	2.9	U $\Delta$	5.0	2.9	ug/L
60-29-7	Diethyl Ether	0.16	U	0.5	0.16	ug/L
75-35-4	1,1-Dichloroethene	0.14	U	0.5	0.14	ug/L
74-88-4	Iodomethane	0.08	U	0.5	0.08	ug/L
107-5-1	Allyl Chloride	0.15	U	0.5	0.15	ug/L
107-13-1	Acrylonitrile	0.46	U $\Delta$	2.5	0.46	ug/L
67-64-1	Acetone	1.1	U $\Delta$	5.0	1.1	ug/L
75-15-0	Carbon disulfide	0.14	U	0.5	0.14	ug/L
1634-04-4	Methyl tert-butyl Ether	0.15	U	0.5	0.15	ug/L
79-20-9	Methyl acrylate	0.16	U	0.5	0.16	ug/L
75-09-2	Methylene Chloride	0.27	U	0.5	0.27	ug/L
156-60-5	trans-1,2-Dichloroethene	0.14	U	0.5	0.14	ug/L
75-34-3	1,1-Dichloroethane	0.16	U	0.5	0.16	ug/L
78-93-3	2-Butanone	0.99	U $\Delta$	5.0	0.99	ug/L
56-23-5	Carbon Tetrachloride	0.15	U	0.5	0.15	ug/L
594-20-7	2,2-Dichloropropane	0.19	U	0.5	0.19	ug/L
156-59-2	cis-1,2-Dichloroethene	0.9		0.5	0.12	ug/L
67-66-3	Chloroform	0.16	U	0.5	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.14	U	0.5	0.14	ug/L
110-57-6	t-1,4-Dichloro-2-butene	0.45	U $\Delta$	1.0	0.45	ug/L
563-58-6	1,1-Dichloropropene	0.16	U	0.5	0.16	ug/L
108-20-3	Isopropyl Ether	0.18	U	0.5	0.18	ug/L
107-12-0	Propionitrile	1.7	U $\Delta$	5.0	1.7	ug/L
71-43-2	Benzene	0.14	U	0.5	0.14	ug/L
107-06-2	1,2-Dichloroethane	0.21	U	0.5	0.21	ug/L
79-01-6	Trichloroethene	0.6		0.5	0.15	ug/L

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	RW	SDG No.:	Y2134
Lab Sample ID:	Y2134-01	Matrix:	WATER
Analytical Method:	S24.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006534.D	1	4/10/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
78-87-5	1,2-Dichloropropane	0.14	U	0.5	0.14	ug/L
126-98-7	Methacrylonitrile	0.62	U	0.5	0.62	ug/L
109-99-9	Tetrahydrofuran	0.45	U	2.0	0.45	ug/L
109-69-3	1-Chlorobutane	0.17	U	0.5	0.17	ug/L
74-95-3	Dibromomethane	0.19	U	0.5	0.19	ug/L
75-27-4	Bromodichloromethane	0.17	U	0.5	0.17	ug/L
108-10-1	4-Methyl-2-Pentanone	0.90	U	2.5	0.90	ug/L
80-62-6	Methyl methacrylate	0.32	U	0.5	0.32	ug/L
97-63-2	Ethyl methacrylate	0.16	U	0.5	0.16	ug/L
108-88-3	Toluene	0.13	U	0.5	0.13	ug/L
10061-02-6	t-1,3-Dichloropropene	0.14	U	0.5	0.14	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.13	U	0.5	0.13	ug/L
79-00-5	1,1,2-Trichloroethane	0.18	U	0.5	0.18	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	0.5	0.14	ug/L
591-78-6	2-Hexanone	0.81	U	2.5	0.81	ug/L
124-48-1	Dibromochloromethane	0.17	U	0.5	0.17	ug/L
106-93-4	1,2-Dibromoethane	0.17	U	0.5	0.17	ug/L
127-18-4	Tetrachloroethene	18		0.5	0.16	ug/L
108-90-7	Chlorobenzene	0.13	U	0.5	0.13	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.17	U	0.5	0.17	ug/L
67-72-1	Hexachloroethane	0.17	U	0.5	0.17	ug/L
100-41-4	Ethyl Benzene	0.14	U	0.5	0.14	ug/L
126777-61-2	m/p-Xylenes	0.29	U	1.0	0.29	ug/L
95-47-6	o-Xylene	0.15	U	0.5	0.15	ug/L
100-42-5	Styrene	0.14	U	0.5	0.14	ug/L
75-25-2	Bromoform	0.17	U	0.5	0.17	ug/L
108-86-1	Bromobenzene	0.14	U	0.5	0.14	ug/L
98-82-8	Isopropylbenzene	0.14	U	0.5	0.14	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	0.5	0.18	ug/L
96-18-4	1,2,3-Trichloropropane	0.20	U	0.5	0.20	ug/L
103-65-1	N-propylbenzene	0.14	U	0.5	0.14	ug/L
95-49-8	2-Chlorotoluene	0.11	U	0.5	0.11	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.5	0.15	ug/L

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

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Client Sample ID:	RW	SDG No.:	Y2134
Lab Sample ID:	Y2134-01	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006534.D	1	4/10/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-43-4	4-Chlorotoluene	0.15	U	0.5	0.15	ug/L
98-06-6	tert-Butylbenzene	0.15	U	0.5	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.15	U	0.5	0.15	ug/L
135-98-8	Sec-butylbenzene	0.14	U	0.5	0.14	ug/L
99-87-6	p-Isopropyltoluene	0.14	U	0.5	0.14	ug/L
541-73-1	1,3-Dichlorobenzene	0.15	U	0.5	0.15	ug/L
106-46-7	1,4-Dichlorobenzene	0.17	U	0.5	0.17	ug/L
104-51-8	n-Butylbenzene	0.12	U	0.5	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.5	0.16	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.19	U	0.5	0.19	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.11	U	0.5	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.5	0.13	ug/L
91-20-3	Naphthalene	0.14	U	0.5	0.14	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.16	U	0.5	0.16	ug/L
<b>SURROGATES</b>						
2199-69-1	1,2-Dichlorobenzene-d4	0.9	90 %	80 - 120		SPK: 1
460-00-4	4-Bromofluorobenzene	1.03	103 %	80 - 120		SPK: 1
<b>INTERNAL STANDARDS</b>						
462-06-6	Fluorobenzene	283877	8.14			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07042 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	DUP	SDG No.:	Y2134
Lab Sample ID:	Y2134-03	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical-Batch ID
VF006542.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
<b>TARGETS</b>						
75-71-8	Dichlorodifluoromethane	0.06	U J	0.5	0.06	ug/L
74-87-3	Chloromethane	0.07	U	0.5	0.07	ug/L
75-01-4	Vinyl Chloride	0.07	U	0.5	0.07	ug/L
74-83-9	Bromomethane	0.23	U	0.5	0.23	ug/L
75-00-3	Chloroethane	0.17	U	0.5	0.17	ug/L
75-69-4	Trichlorofluoromethane	0.09	U	0.5	0.09	ug/L
75-65-0	tert-Butyl Alcohol	2.9	U	5.0	2.9	ug/L
60-29-7	Diethyl Ether	0.16	U	0.5	0.16	ug/L
75-35-4	1,1-Dichloroethene	0.14	U	0.5	0.14	ug/L
74-88-4	Iodomethane	0.08	U	0.5	0.08	ug/L
107-5-1	Allyl Chloride	0.15	U	0.5	0.15	ug/L
107-13-1	Acrylonitrile	0.46	U	2.5	0.46	ug/L
67-64-1	Acetone	1.1	U	5.0	1.1	ug/L
75-15-0	Carbon disulfide	0.14	U	0.5	0.14	ug/L
1634-04-4	Methyl tert-butyl Ether	0.15	U	0.5	0.15	ug/L
79-20-9	Methyl acrylate	0.16	U	0.5	0.16	ug/L
75-09-2	Methylene Chloride	0.27	U	0.5	0.27	ug/L
156-60-5	trans-1,2-Dichloroethene	0.14	U	0.5	0.14	ug/L
75-34-3	1,1-Dichloroethane	0.16	U	0.5	0.16	ug/L
78-93-3	2-Butanone	0.99	U	5.0	0.99	ug/L
56-23-5	Carbon Tetrachloride	0.15	U	0.5	0.15	ug/L
594-20-7	2,2-Dichloropropane	0.19	U	0.5	0.19	ug/L
156-59-2	cis-1,2-Dichloroethene	0.8	J	0.5	0.12	ug/L
67-66-3	Chloroform	0.16	U J	0.5	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.14	U	0.5	0.14	ug/L
110-57-6	t-1,4-Dichloro-2-butene	0.45	U	1.0	0.45	ug/L
563-58-6	1,1-Dichloropropene	0.16	U	0.5	0.16	ug/L
108-20-3	Isopropyl Ether	0.18	U	0.5	0.18	ug/L
107-12-0	Propionitrile	1.7	U	5.0	1.7	ug/L
71-43-2	Benzene	0.14	U	0.5	0.14	ug/L
107-06-2	1,2-Dichloroethane	0.21	U	0.5	0.21	ug/L
79-01-6	Trichloroethene	0.6	J	0.5	0.15	ug/L

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range



284 Sheffield Street, Mountainside, NJ 07042 Phone: 908-789-8900 Fax: 908-789-8922

**Report of Analysis**

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	DUP	SDG No.:	Y2134
Lab Sample ID:	Y2134-03	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006542.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
78-87-5	1,2-Dichloropropane	0.14	U J	0.5	0.14	ug/L
126-98-7	Methacrylonitrile	0.62	U	0.5	0.62	ug/L
109-99-9	Tetrahydrofuran	0.45	U	2.0	0.45	ug/L
109-69-3	1-Chlorobutane	0.17	U	0.5	0.17	ug/L
74-95-3	Dibromomethane	0.19	U	0.5	0.19	ug/L
75-27-4	Bromodichloromethane	0.17	U	0.5	0.17	ug/L
108-10-1	4-Methyl-2-Pentanone	0.90	U	2.5	0.90	ug/L
80-62-6	Methyl methacrylate	0.32	U	0.5	0.32	ug/L
97-63-2	Ethyl methacrylate	0.16	U	0.5	0.16	ug/L
108-88-3	Toluene	0.13	U	0.5	0.13	ug/L
10061-02-6	t-1,3-Dichloropropene	0.14	U	0.5	0.14	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.13	U	0.5	0.13	ug/L
79-00-5	1,1,2-Trichloroethane	0.18	U	0.5	0.18	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	0.5	0.14	ug/L
591-78-6	2-Hexanone	0.81	U	2.5	0.81	ug/L
124-48-1	Dibromochloromethane	0.17	U	0.5	0.17	ug/L
106-93-4	1,2-Dibromoethane	0.17	U J	0.5	0.17	ug/L
127-18-4	Tetrachloroethylene	18	J	0.5	0.16	ug/L
108-90-7	Chlorobenzene	0.13	U J	0.5	0.13	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.17	U	0.5	0.17	ug/L
67-72-1	Hexachloroethane	0.17	U	0.5	0.17	ug/L
100-41-4	Ethyl Benzene	0.14	U	0.5	0.14	ug/L
126777-61-2	m/p-Xylenes	0.29	U	1.0	0.29	ug/L
95-47-6	o-Xylene	0.15	U	0.5	0.15	ug/L
100-42-5	Styrene	0.14	U	0.5	0.14	ug/L
75-25-2	Bromoform	0.17	U	0.5	0.17	ug/L
108-86-1	Bromobenzene	0.14	U	0.5	0.14	ug/L
98-82-8	Isopropylbenzene	0.14	U	0.5	0.14	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	0.5	0.18	ug/L
96-18-4	1,2,3-Trichloropropane	0.20	U	0.5	0.20	ug/L
103-65-1	N-propylbenzene	0.14	U	0.5	0.14	ug/L
95-49-8	2-Chlorotoluene	0.11	U	0.5	0.11	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.15	U J	0.5	0.15	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	DUP	SDG No.:	Y2134
Lab Sample ID:	Y2134-03	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006542.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-43-4	4-Chlorotoluene	0.15	U	0.5	0.15	ug/L
98-06-6	tert-Butylbenzene	0.15	U	0.5	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.15	U	0.5	0.15	ug/L
135-98-8	Sec-butylbenzene	0.14	U	0.5	0.14	ug/L
99-87-6	p-Isopropyltoluene	0.14	U	0.5	0.14	ug/L
541-73-1	1,3-Dichlorobenzene	0.15	U	0.5	0.15	ug/L
106-46-7	1,4-Dichlorobenzene	0.17	U	0.5	0.17	ug/L
104-51-8	n-Butylbenzene	0.12	U	0.5	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.5	0.16	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.19	U	0.5	0.19	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.11	U	0.5	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.5	0.13	ug/L
91-20-3	Naphthalene	0.14	U	0.5	0.14	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.16	U	0.5	0.16	ug/L
<b>SURROGATES</b>						
2199-69-1	1,2-Dichlorobenzene-d4	0.98	98 %	80 - 120	SPK:	1
460-00-4	4-Bromofluorobenzene	0.98	98 %	80 - 120	SPK:	1
<b>INTERNAL STANDARDS</b>						
462-06-6	Fluorobenzene	327016	8.14			

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B = Analyte Found in Associated Method Blank

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	DIST	SDG No.:	Y2134
Lab Sample ID:	Y2134-04	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID		
VF006543.D	1	4/11/2007	VF041007		

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
<b>TARGETS</b>						
75-71-8	Dichlorodifluoromethane	0.06	U	0.5	0.06	ug/L
74-87-3	Chloromethane	0.07	U	0.5	0.07	ug/L
75-01-4	Vinyl Chloride	0.07	U	0.5	0.07	ug/L
74-83-9	Bromomethane	0.23	U	0.5	0.23	ug/L
75-00-3	Chloroethane	0.17	U	0.5	0.17	ug/L
75-69-4	Trichlorofluoromethane	0.09	U	0.5	0.09	ug/L
75-65-0	tert-Butyl Alcohol	2.9	U	5.0	2.9	ug/L
60-29-7	Diethyl Ether	0.16	U	0.5	0.16	ug/L
75-35-4	1,1-Dichloroethene	0.14	U	0.5	0.14	ug/L
74-88-4	Iodomethane	0.08	U	0.5	0.08	ug/L
107-5-1	Allyl Chloride	0.15	U	0.5	0.15	ug/L
107-13-1	Acrylonitrile	0.46	U	2.5	0.46	ug/L
67-64-1	Acetone	1.1	U	5.0	1.1	ug/L
75-15-0	Carbon disulfide	0.14	U	0.5	0.14	ug/L
1634-04-4	Methyl tert-butyl Ether	0.15	U	0.5	0.15	ug/L
79-20-9	Methyl acrylate	0.16	U	0.5	0.16	ug/L
75-09-2	Methylene Chloride	0.27	U	0.5	0.27	ug/L
156-60-5	trans-1,2-Dichloroethene	0.14	U	0.5	0.14	ug/L
75-34-3	1,1-Dichloroethane	0.16	U	0.5	0.16	ug/L
78-93-3	2-Butanone	0.99	U	5.0	0.99	ug/L
56-23-5	Carbon Tetrachloride	0.15	U	0.5	0.15	ug/L
594-20-7	2,2-Dichloropropane	0.19	U	0.5	0.19	ug/L
156-59-2	cis-1,2-Dichloroethene	0.12	U	0.5	0.12	ug/L
67-66-3	Chloroform	0.5	J	0.5	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.14	U	0.5	0.14	ug/L
110-57-6	t-1,4-Dichloro-2-butene	0.45	U	1.0	0.45	ug/L
563-58-6	1,1-Dichloropropene	0.16	U	0.5	0.16	ug/L
108-20-3	Isopropyl Ether	0.18	U	0.5	0.18	ug/L
107-12-0	Propionitrile	1.7	U	5.0	1.7	ug/L
71-43-2	Benzene	0.14	U	0.5	0.14	ug/L
107-06-2	1,2-Dichloroethane	0.21	U	0.5	0.21	ug/L
79-01-6	Trichloroethene	0.15	U	0.5	0.15	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	DIST	SDG No.:	Y2134
Lab Sample ID:	Y2134-04	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006543.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
78-87-5	1,2-Dichloropropane	0.14	U J	0.5	0.14	ug/L
126-98-7	Methacrylonitrile	0.62	U	0.5	0.62	ug/L
109-99-9	Tetrahydrofuran	0.45	U	2.0	0.45	ug/L
109-69-3	1-Chlorobutane	0.17	U	0.5	0.17	ug/L
74-95-3	Dibromomethane	0.19	U ↓	0.5	0.19	ug/L
75-27-4	Bromodichloromethane	1.6	J	0.5	0.17	ug/L
108-10-1	4-Methyl-2-Pentanone	0.90	U J	2.5	0.90	ug/L
80-62-6	Methyl methacrylate	0.32	U	0.5	0.32	ug/L
97-63-2	Ethyl methacrylate	0.16	U	0.5	0.16	ug/L
108-88-3	Toluene	0.13	U	0.5	0.13	ug/L
10061-02-6	t-1,3-Dichloropropene	0.14	U	0.5	0.14	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.13	U	0.5	0.13	ug/L
79-00-5	1,1,2-Trichloroethane	0.18	U	0.5	0.18	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	0.5	0.14	ug/L
591-78-6	2-Hexanone	0.81	U ↓	2.5	0.81	ug/L
124-48-1	Dibromochloromethane	4.1	J	0.5	0.17	ug/L
106-93-4	1,2-Dibromoethane	0.17	U J	0.5	0.17	ug/L
127-18-4	Tetrachloroethene	0.16	U	0.5	0.16	ug/L
108-90-7	Chlorobenzene	0.13	U	0.5	0.13	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.17	U	0.5	0.17	ug/L
67-72-1	Hexachloroethane	0.17	U	0.5	0.17	ug/L
100-41-4	Ethyl Benzene	0.14	U	0.5	0.14	ug/L
126777-61-2	m/p-Xylenes	0.29	U	1.0	0.29	ug/L
95-47-6	o-Xylene	0.15	U	0.5	0.15	ug/L
100-42-5	Styrene	0.14	U ↓	0.5	0.14	ug/L
75-25-2	Bromoform	3.5	J	0.5	0.17	ug/L
108-86-1	Bromobenzene	0.14	U J	0.5	0.14	ug/L
98-82-8	Isopropylbenzene	0.14	U	0.5	0.14	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	0.5	0.18	ug/L
96-18-4	1,2,3-Trichloropropane	0.20	U	0.5	0.20	ug/L
103-65-1	N-propylbenzene	0.14	U	0.5	0.14	ug/L
95-49-8	2-Chlorotoluene	0.11	U	0.5	0.11	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.15	U ↓	0.5	0.15	ug/L

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range



284 Sheffield Street, Mountainside, NJ 07042 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	DIST	SDG No.:	Y2134
Lab Sample ID:	Y2134-04	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006543.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-43-4	4-Chlorotoluene	0.15	U ↓	0.5	0.15	ug/L
98-06-6	tert-Butylbenzene	0.15	U	0.5	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.15	U	0.5	0.15	ug/L
135-98-8	Sec-butylbenzene	0.14	U	0.5	0.14	ug/L
99-87-6	p-Isopropyltoluene	0.14	U	0.5	0.14	ug/L
541-73-1	1,3-Dichlorobenzene	0.15	U	0.5	0.15	ug/L
106-46-7	1,4-Dichlorobenzene	0.17	U	0.5	0.17	ug/L
104-51-8	n-Butylbenzene	0.12	U	0.5	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.5	0.16	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.19	U	0.5	0.19	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.11	U	0.5	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.5	0.13	ug/L
91-20-3	Naphthalene	0.14	U	0.5	0.14	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.16	U ↓	0.5	0.16	ug/L
<b>SURROGATES</b>						
2199-69-1	1,2-Dichlorobenzene-d4	0.93	93 %	80 - 120		SPK: 1
460-00-4	4-Bromofluorobenzene	0.93	93 %	80 - 120		SPK: 1
<b>INTERNAL STANDARDS</b>						
462-06-6	Fluorobenzene	283624	8.14			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	STEFF	SDG No.:	Y2134
Lab Sample ID:	Y2134-05	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006544.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
<b>TARGETS</b>						
75-71-8	Dichlorodifluoromethane	0.06	U J	0.5	0.06	ug/L
74-87-3	Chloromethane	0.07	U	0.5	0.07	ug/L
75-01-4	Vinyl Chloride	0.07	U	0.5	0.07	ug/L
74-83-9	Bromomethane	0.23	U	0.5	0.23	ug/L
75-00-3	Chloroethane	0.17	U	0.5	0.17	ug/L
75-69-4	Trichlorofluoromethane	0.09	U	0.5	0.09	ug/L
75-65-0	tert-Butyl Alcohol	2.9	U	5.0	2.9	ug/L
60-29-7	Diethyl Ether	0.16	U	0.5	0.16	ug/L
75-35-4	1,1-Dichloroethene	0.14	U	0.5	0.14	ug/L
74-88-4	Iodomethane	0.08	U	0.5	0.08	ug/L
107-5-1	Allyl Chloride	0.15	U	0.5	0.15	ug/L
107-13-1	Acrylonitrile	0.46	U	2.5	0.46	ug/L
67-64-1	Acetone	1.1	U	5.0	1.1	ug/L
75-15-0	Carbon disulfide	0.14	U	0.5	0.14	ug/L
1634-04-4	Methyl tert-butyl Ether	0.15	U	0.5	0.15	ug/L
79-20-9	Methyl acrylate	0.16	U ↓	0.5	0.16	ug/L
75-09-2	Methylene Chloride	0.5	U L	0.5	0.27	ug/L
156-60-5	trans-1,2-Dichloroethene	0.14	U J	0.5	0.14	ug/L
75-34-3	1,1-Dichloroethane	0.16	U	0.5	0.16	ug/L
78-93-3	2-Butanone	0.99	U	5.0	0.99	ug/L
56-23-5	Carbon Tetrachloride	0.15	U	0.5	0.15	ug/L
594-20-7	2,2-Dichloropropane	0.19	U	0.5	0.19	ug/L
156-59-2	cis-1,2-Dichloroethene	0.12	U	0.5	0.12	ug/L
67-66-3	Chloroform	0.16	U	0.5	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.14	U	0.5	0.14	ug/L
110-57-6	t-1,4-Dichloro-2-butene	0.45	U	1.0	0.45	ug/L
563-58-6	1,1-Dichloropropene	0.16	U	0.5	0.16	ug/L
108-20-3	Isopropyl Ether	0.18	U	0.5	0.18	ug/L
107-12-0	Propionitrile	1.7	U	5.0	1.7	ug/L
71-43-2	Benzene	0.14	U	0.5	0.14	ug/L
107-06-2	1,2-Dichloroethane	0.21	U	0.5	0.21	ug/L
79-01-6	Trichloroethene	0.15	U ↓	0.5	0.15	ug/L

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	STEFF	SDG No.:	Y2134
Lab Sample ID:	Y2134-05	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006544.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
78-87-5	1,2-Dichloropropane	0.14	U	0.5	0.14	ug/L
126-98-7	Methacrylonitrile	0.62	U	0.5	0.62	ug/L
109-99-9	Tetrahydrofuran	0.45	U	2.0	0.45	ug/L
109-69-3	1-Chlorobutane	0.17	U	0.5	0.17	ug/L
74-95-3	Dibromomethane	0.19	U	0.5	0.19	ug/L
75-27-4	Bromodichloromethane	0.17	U	0.5	0.17	ug/L
108-10-1	4-Methyl-2-Pentanone	0.90	U	2.5	0.90	ug/L
80-62-6	Methyl methacrylate	0.32	U	0.5	0.32	ug/L
97-63-2	Ethyl methacrylate	0.16	U	0.5	0.16	ug/L
108-88-3	Toluene	0.13	U	0.5	0.13	ug/L
10061-02-6	t-1,3-Dichloropropene	0.14	U	0.5	0.14	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.13	U	0.5	0.13	ug/L
79-00-5	1,1,2-Trichloroethane	0.18	U	0.5	0.18	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	0.5	0.14	ug/L
591-78-6	2-Hexanone	0.81	U	2.5	0.81	ug/L
124-48-1	Dibromochloromethane	0.17	U	0.5	0.17	ug/L
106-93-4	1,2-Dibromoethane	0.17	U	0.5	0.17	ug/L
127-18-4	Tetrachloroethene	0.16	U	0.5	0.16	ug/L
108-90-7	Chlorobenzene	0.13	U	0.5	0.13	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.17	U	0.5	0.17	ug/L
67-72-1	Hexachloroethane	0.17	U	0.5	0.17	ug/L
100-41-4	Ethyl Benzene	0.14	U	0.5	0.14	ug/L
126777-61-2	m/p-Xylenes	0.29	U	1.0	0.29	ug/L
95-47-6	o-Xylene	0.15	U	0.5	0.15	ug/L
100-42-5	Styrene	0.14	U	0.5	0.14	ug/L
75-25-2	Bromoform	0.17	U	0.5	0.17	ug/L
108-86-1	Bromobenzene	0.14	U	0.5	0.14	ug/L
98-82-8	Isopropylbenzene	0.14	U	0.5	0.14	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	0.5	0.18	ug/L
96-18-4	1,2,3-Trichloropropane	0.20	U	0.5	0.20	ug/L
103-65-1	N-propylbenzene	0.14	U	0.5	0.14	ug/L
95-49-8	2-Chlorotoluene	0.11	U	0.5	0.11	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.5	0.15	ug/L

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	STEFF	SDG No.:	Y2134
Lab Sample ID:	Y2134-05	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006544.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-43-4	4-Chlorotoluene	0.15	U J	0.5	0.15	ug/L
98-06-6	tert-Butylbenzene	0.15	U	0.5	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.15	U	0.5	0.15	ug/L
135-98-8	Sec-butylbenzene	0.14	U	0.5	0.14	ug/L
99-87-6	p-Isopropyltoluene	0.14	U	0.5	0.14	ug/L
541-73-1	1,3-Dichlorobenzene	0.15	U	0.5	0.15	ug/L
106-46-7	1,4-Dichlorobenzene	0.17	U	0.5	0.17	ug/L
104-51-8	n-Butylbenzene	0.12	U	0.5	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.5	0.16	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.19	U	0.5	0.19	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.11	U	0.5	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.5	0.13	ug/L
91-20-3	Naphthalene	0.14	U	0.5	0.14	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.16	U ↓	0.5	0.16	ug/L
<b>SURROGATES</b>						
2199-69-1	1,2-Dichlorobenzene-d4	0.86	86 %	80 - 120	SPK: 1	
460-00-4	4-Bromofluorobenzene	0.99	99 %	80 - 120	SPK: 1	
<b>INTERNAL STANDARDS</b>						
462-06-6	Fluorobenzene	284756	8.14			

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range



284 Sheffield Street, Mountainside, NJ 07042 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	W4	SDG No.:	Y2134
Lab Sample ID:	Y2134-06	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006545.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
<b>TARGETS</b>						
75-71-8	Dichlorodifluoromethane	0.06	U	0.5	0.06	ug/L
74-87-3	Chloromethane	0.07	U	0.5	0.07	ug/L
75-01-4	Vinyl Chloride	0.07	U	0.5	0.07	ug/L
74-83-9	Bromomethane	0.23	U	0.5	0.23	ug/L
75-00-3	Chloroethane	0.17	U	0.5	0.17	ug/L
75-69-4	Trichlorofluoromethane	0.09	U	0.5	0.09	ug/L
75-65-0	tert-Butyl Alcohol	2.9	U	5.0	2.9	ug/L
60-29-7	Diethyl Ether	0.16	U	0.5	0.16	ug/L
75-35-4	1,1-Dichloroethene	0.14	U	0.5	0.14	ug/L
74-88-4	Iodomethane	0.08	U	0.5	0.08	ug/L
107-5-1	Allyl Chloride	0.15	U	0.5	0.15	ug/L
107-13-1	Acrylonitrile	0.46	U	2.5	0.46	ug/L
67-64-1	Acetone	1.1	U	5.0	1.1	ug/L
75-15-0	Carbon disulfide	0.14	U	0.5	0.14	ug/L
1634-04-4	Methyl tert-butyl Ether	0.15	U	0.5	0.15	ug/L
79-20-9	Methyl acrylate	0.16	U	0.5	0.16	ug/L
75-09-2	Methylene Chloride	0.27	U	0.5	0.27	ug/L
156-60-5	trans-1,2-Dichloroethene	0.14	U	0.5	0.14	ug/L
75-34-3	1,1-Dichloroethane	0.16	U	0.5	0.16	ug/L
78-93-3	2-Butanone	0.99	U	5.0	0.99	ug/L
56-23-5	Carbon Tetrachloride	0.15	U	0.5	0.15	ug/L
594-20-7	2,2-Dichloropropane	0.19	U	0.5	0.19	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	J	0.5	0.12	ug/L
67-66-3	Chloroform	0.16	U	0.5	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.14	U	0.5	0.14	ug/L
110-57-6	t-1,4-Dichloro-2-butene	0.45	U	1.0	0.45	ug/L
563-58-6	1,1-Dichloropropene	0.16	U	0.5	0.16	ug/L
108-20-3	Isopropyl Ether	0.18	U	0.5	0.18	ug/L
107-12-0	Propionitrile	1.7	U	5.0	1.7	ug/L
71-43-2	Benzene	0.14	U	0.5	0.14	ug/L
107-06-2	1,2-Dichloroethane	0.21	U	0.5	0.21	ug/L
79-01-6	Trichloroethene	0.3	J	0.5	0.15	ug/L

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

<b>Client:</b>	<b>EPM, INC.</b>	<b>Date Collected:</b>	<b>3/29/2007</b>
<b>Project:</b>	<b>Katonah</b>	<b>Date Received:</b>	<b>3/31/2007</b>
<b>Client Sample ID:</b>	<b>W4</b>	<b>SDG No.:</b>	<b>Y2134</b>
<b>Lab Sample ID:</b>	<b>Y2134-06</b>	<b>Matrix:</b>	<b>WATER</b>
<b>Analytical Method:</b>	<b>524.2 Rev3</b>	<b>% Moisture:</b>	<b>100</b>
<b>Sample Wt/Wt:</b>	<b>25.0 Units: mL</b>	<b>Soil Extract Vol:</b>	<b>uL</b>
<b>Soil Aliquot Vol:</b>	<b>uL</b>		

<b>File ID:</b>	<b>Dilution:</b>	<b>Date Analyzed</b>	<b>Analytical Batch ID</b>
<b>VF006545.D</b>	<b>1</b>	<b>4/11/2007</b>	<b>VF041007</b>

<b>CAS Number</b>	<b>Parameter</b>	<b>Conc.</b>	<b>Qualifier</b>	<b>RL</b>	<b>MDL</b>	<b>Units</b>
78-87-5	1,2-Dichloropropane	0.14	U J	0.5	0.14	ug/L
126-98-7	Methacrylonitrile	0.62	U	0.5	0.62	ug/L
109-99-9	Tetrahydrofuran	0.45	U	2.0	0.45	ug/L
109-69-3	1-Chlorobutane	0.17	U	0.5	0.17	ug/L
74-95-3	Dibromomethane	0.19	U	0.5	0.19	ug/L
75-27-4	Bromodichloromethane	0.17	U	0.5	0.17	ug/L
108-10-1	4-Methyl-2-Pentanone	0.90	U	2.5	0.90	ug/L
80-62-6	Methyl methacrylate	0.32	U	0.5	0.32	ug/L
97-63-2	Ethyl methacrylate	0.16	U	0.5	0.16	ug/L
108-88-3	Toluene	0.13	U	0.5	0.13	ug/L
10061-02-6	t-1,3-Dichloropropene	0.14	U	0.5	0.14	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.13	U	0.5	0.13	ug/L
79-00-5	1,1,2-Trichloroethane	0.18	U	0.5	0.18	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	0.5	0.14	ug/L
591-78-6	2-Hexanone	0.81	U	2.5	0.81	ug/L
124-48-1	Dibromochloromethane	0.17	U	0.5	0.17	ug/L
106-93-4	1,2-Dibromoethane	0.17	U	0.5	0.17	ug/L
127-18-4	Tetrachloroethylene	0.2	J	0.5	0.16	ug/L
108-90-7	Chlorobenzene	0.13	U J	0.5	0.13	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.17	U	0.5	0.17	ug/L
67-72-1	Hexachloroethane	0.17	U	0.5	0.17	ug/L
100-41-4	Ethyl Benzene	0.14	U	0.5	0.14	ug/L
126777-61-2	m/p-Xylenes	0.29	U	1.0	0.29	ug/L
95-47-6	o-Xylene	0.15	U	0.5	0.15	ug/L
100-42-5	Styrene	0.14	U	0.5	0.14	ug/L
75-25-2	Bromoform	0.17	U	0.5	0.17	ug/L
108-86-1	Bromobenzene	0.14	U	0.5	0.14	ug/L
98-82-8	Isopropylbenzene	0.14	U	0.5	0.14	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	0.5	0.18	ug/L
96-18-4	1,2,3-Trichloropropane	0.20	U	0.5	0.20	ug/L
103-65-1	N-propylbenzene	0.14	U	0.5	0.14	ug/L
95-49-8	2-Chlorotoluene	0.11	U	0.5	0.11	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.5	0.15	ug/L

U = Not Detected

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MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	W4	SDG No.:	Y2134
Lab Sample ID:	Y2134-06	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006545.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-43-4	4-Chlorotoluene	0.15	U ↓	0.5	0.15	ug/L
98-06-6	tert-Butylbenzene	0.15	U	0.5	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.15	U	0.5	0.15	ug/L
135-98-8	Sec-butylbenzene	0.14	U	0.5	0.14	ug/L
99-87-6	p-Isopropyltoluene	0.14	U	0.5	0.14	ug/L
541-73-1	1,3-Dichlorobenzene	0.15	U	0.5	0.15	ug/L
106-46-7	1,4-Dichlorobenzene	0.17	U	0.5	0.17	ug/L
104-51-8	n-Butylbenzene	0.12	U	0.5	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.5	0.16	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.19	U	0.5	0.19	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.11	U	0.5	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.5	0.13	ug/L
91-20-3	Naphthalene	0.14	U	0.5	0.14	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.16	U ↓	0.5	0.16	ug/L
<b>SURROGATES</b>						
2199-69-1	1,2-Dichlorobenzene-d4	0.98	98 %	80 - 120	SPK:	1
460-00-4	4-Bromofluorobenzene	1.04	104 %	80 - 120	SPK:	1
<b>INTERNAL STANDARDS</b>						
462-06-6	Fluorobenzene	284375	8.14			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	W11	SDG No.:	Y2134
Lab Sample ID:	Y2134-07	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006546.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
<b>TARGETS</b>						
75-71-8	Dichlorodifluoromethane	0.06	U J	0.5	0.06	ug/L
74-87-3	Chloromethane	0.07	U	0.5	0.07	ug/L
75-01-4	Vinyl Chloride	0.07	U	0.5	0.07	ug/L
74-83-9	Bromomethane	0.23	U	0.5	0.23	ug/L
75-00-3	Chloroethane	0.17	U	0.5	0.17	ug/L
75-69-4	Trichlorofluoromethane	0.09	U	0.5	0.09	ug/L
75-65-0	tert-Butyl Alcohol	2.9	U	5.0	2.9	ug/L
60-29-7	Diethyl Ether	0.16	U	0.5	0.16	ug/L
75-35-4	1,1-Dichloroethene	0.14	U	0.5	0.14	ug/L
74-88-4	Iodomethane	0.08	U	0.5	0.08	ug/L
107-5-1	Allyl Chloride	0.15	U	0.5	0.15	ug/L
107-13-1	Acrylonitrile	0.46	U	2.5	0.46	ug/L
67-64-1	Acetone	1.1	U	5.0	1.1	ug/L
75-15-0	Carbon disulfide	0.14	U	0.5	0.14	ug/L
1634-04-4	Methyl tert-butyl Ether	0.15	U	0.5	0.15	ug/L
79-20-9	Methyl acrylate	0.16	U	0.5	0.16	ug/L
75-09-2	Methylene Chloride	0.27	U	0.5	0.27	ug/L
156-60-5	trans-1,2-Dichloroethene	0.14	U	0.5	0.14	ug/L
75-34-3	1,1-Dichloroethane	0.16	U	0.5	0.16	ug/L
78-93-3	2-Butanone	0.99	U	5.0	0.99	ug/L
56-23-5	Carbon Tetrachloride	0.15	U	0.5	0.15	ug/L
594-20-7	2,2-Dichloropropane	0.19	U	0.5	0.19	ug/L
156-59-2	cis-1,2-Dichloroethene	0.12	U	0.5	0.12	ug/L
67-66-3	Chloroform	0.16	U	0.5	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.14	U	0.5	0.14	ug/L
110-57-6	t-1,4-Dichloro-2-butene	0.45	U	1.0	0.45	ug/L
563-58-6	1,1-Dichloropropene	0.16	U	0.5	0.16	ug/L
108-20-3	Isopropyl Ether	0.18	U	0.5	0.18	ug/L
107-12-0	Propionitrile	1.7	U	5.0	1.7	ug/L
71-43-2	Benzene	0.14	U	0.5	0.14	ug/L
107-06-2	1,2-Dichloroethane	0.21	U	0.5	0.21	ug/L
79-01-6	Trichloroethene	0.15	U	0.5	0.15	ug/L

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	W11	SDG No.:	Y2134
Lab Sample ID:	Y2134-07	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006546.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
78-87-5	1,2-Dichloropropane	0.14	U	0.5	0.14	ug/L
126-98-7	Methacrylonitrile	0.62	U	0.5	0.62	ug/L
109-99-9	Tetrahydrofuran	0.45	U	2.0	0.45	ug/L
109-69-3	1-Chlorobutane	0.17	U	0.5	0.17	ug/L
74-95-3	Dibromomethane	0.19	U	0.5	0.19	ug/L
75-27-4	Bromodichloromethane	0.17	U	0.5	0.17	ug/L
108-10-1	4-Methyl-2-Pentanone	0.90	U	2.5	0.90	ug/L
80-62-6	Methyl methacrylate	0.32	U	0.5	0.32	ug/L
97-63-2	Ethyl methacrylate	0.16	U	0.5	0.16	ug/L
108-88-3	Toluene	0.13	U	0.5	0.13	ug/L
10061-02-6	1-1,3-Dichloropropene	0.14	U	0.5	0.14	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.13	U	0.5	0.13	ug/L
79-00-5	1,1,2-Trichloroethane	0.18	U	0.5	0.18	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	0.5	0.14	ug/L
591-78-6	2-Hexanone	0.81	U	2.5	0.81	ug/L
124-48-1	Dibromochloromethane	0.17	U	0.5	0.17	ug/L
106-93-4	1,2-Dibromoethane	0.17	U	0.5	0.17	ug/L
127-18-4	Tetrachloroethene	0.4	J	0.5	0.16	ug/L
108-90-7	Chlorobenzene	0.13	U	0.5	0.13	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.17	U	0.5	0.17	ug/L
67-72-1	Hexachloroethane	0.17	U	0.5	0.17	ug/L
100-41-4	Ethyl Benzene	0.14	U	0.5	0.14	ug/L
126777-61-2	m/p-Xylenes	0.29	U	1.0	0.29	ug/L
95-47-6	o-Xylene	0.15	U	0.5	0.15	ug/L
100-42-5	Styrene	0.14	U	0.5	0.14	ug/L
75-25-2	Bromoform	0.17	U	0.5	0.17	ug/L
108-86-1	Bromobenzene	0.14	U	0.5	0.14	ug/L
98-82-8	Isopropylbenzene	0.14	U	0.5	0.14	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	0.5	0.18	ug/L
96-18-4	1,2,3-Trichloropropane	0.20	U	0.5	0.20	ug/L
103-65-1	N-propylbenzene	0.14	U	0.5	0.14	ug/L
95-49-8	2-Chlorotoluene	0.11	U	0.5	0.11	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.5	0.15	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	W11	SDG No.:	Y2134
Lab Sample ID:	Y2134-07	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006546.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-43-4	4-Chlorotoluene	0.15	U ↓	0.5	0.15	ug/L
98-06-6	tert-Butylbenzene	0.15	U	0.5	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.15	U	0.5	0.15	ug/L
135-98-8	Sec-butylbenzene	0.14	U	0.5	0.14	ug/L
99-87-6	p-Isopropyltoluene	0.14	U	0.5	0.14	ug/L
541-73-1	1,3-Dichlorobenzene	0.15	U	0.5	0.15	ug/L
106-46-7	1,4-Dichlorobenzene	0.17	U	0.5	0.17	ug/L
104-51-8	n-Butylbenzene	0.12	U	0.5	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.5	0.16	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.19	U	0.5	0.19	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.11	U	0.5	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.5	0.13	ug/L
91-20-3	Naphthalene	0.14	U	0.5	0.14	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.16	U ↓	0.5	0.16	ug/L
<b>SURROGATES</b>						
2199-69-1	1,2-Dichlorobenzene-d4	0.91	91 %	80 - 120	SPK:	1
460-00-4	4-Bromofluorobenzene	0.96	96 %	80 - 120	SPK:	1
<b>INTERNAL STANDARDS</b>						
462-06-6	Fluorobenzene	249549	8.13			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07042 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	FB	SDG No.:	Y2134
Lab Sample ID:	Y2134-09	Matrix:	WATER
Analytical Method:	S24.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006541.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
<b>TARGETS</b>						
75-71-8	Dichlorodifluoromethane	0.06	U J	0.5	0.06	ug/L
74-87-3	Chloromethane	0.07	U	0.5	0.07	ug/L
75-01-4	Vinyl Chloride	0.07	U	0.5	0.07	ug/L
74-83-9	Bromomethane	0.23	U	0.5	0.23	ug/L
75-00-3	Chloroethane	0.17	U	0.5	0.17	ug/L
75-69-4	Trichlorofluoromethane	0.09	U	0.5	0.09	ug/L
75-65-0	tert-Butyl Alcohol	2.9	U	5.0	2.9	ug/L
60-29-7	Diethyl Ether	0.16	U	0.5	0.16	ug/L
75-35-4	1,1-Dichloroethene	0.14	U	0.5	0.14	ug/L
74-88-4	Iodomethane	0.08	U	0.5	0.08	ug/L
107-5-1	Allyl Chloride	0.15	U	0.5	0.15	ug/L
107-13-1	Acrylonitrile	0.46	U	2.5	0.46	ug/L
67-64-1	Acetone	1.1	U	5.0	1.1	ug/L
75-15-0	Carbon disulfide	0.14	U	0.5	0.14	ug/L
1634-04-4	Methyl tert-butyl Ether	0.15	U	0.5	0.15	ug/L
79-20-9	Methyl acrylate	0.16	U	0.5	0.16	ug/L
75-09-2	Methylene Chloride	0.5	U	0.5	0.27	ug/L
156-60-5	trans-1,2-Dichloroethene	0.14	U J	0.5	0.14	ug/L
75-34-3	1,1-Dichloroethane	0.16	U	0.5	0.16	ug/L
78-93-3	2-Butanone	0.99	U	5.0	0.99	ug/L
56-23-5	Carbon Tetrachloride	0.15	U	0.5	0.15	ug/L
594-20-7	2,2-Dichloropropane	0.19	U	0.5	0.19	ug/L
156-59-2	cis-1,2-Dichloroethene	0.12	U	0.5	0.12	ug/L
67-66-3	Chloroform	0.16	U	0.5	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.14	U	0.5	0.14	ug/L
110-57-6	t-1,4-Dichloro-2-butene	0.45	U	1.0	0.45	ug/L
563-58-6	1,1-Dichloropropene	0.16	U	0.5	0.16	ug/L
108-20-3	Isopropyl Ether	0.18	U	0.5	0.18	ug/L
107-12-0	Propionitrile	1.7	U	5.0	1.7	ug/L
71-43-2	Benzene	0.14	U	0.5	0.14	ug/L
107-06-2	1,2-Dichloroethane	0.21	U	0.5	0.21	ug/L
79-01-6	Trichloroethene	0.15	U	0.5	0.15	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	FB	SDG No.:	Y2134
Lab Sample ID:	Y2134-09	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006541.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
78-87-5	1,2-Dichloropropane	0.14	U	0.5	0.14	ug/L
126-98-7	Methacrylonitrile	0.62	U	0.5	0.62	ug/L
109-99-9	Tetrahydrofuran	0.45	U	2.0	0.45	ug/L
109-69-3	1-Chlorobutane	0.17	U	0.5	0.17	ug/L
74-95-3	Dibromomethane	0.19	U	0.5	0.19	ug/L
75-27-4	Bromodichloromethane	0.17	U	0.5	0.17	ug/L
108-10-1	4-Methyl-2-Pentanone	0.90	U	2.5	0.90	ug/L
80-62-6	Methyl methacrylate	0.32	U	0.5	0.32	ug/L
97-63-2	Ethyl methacrylate	0.16	U	0.5	0.16	ug/L
108-88-3	Toluene	0.13	U	0.5	0.13	ug/L
10061-02-6	t-1,3-Dichloropropene	0.14	U	0.5	0.14	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.13	U	0.5	0.13	ug/L
79-00-5	1,1,2-Trichloroethane	0.18	U	0.5	0.18	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	0.5	0.14	ug/L
591-78-6	2-Hexanone	0.81	U	2.5	0.81	ug/L
124-48-1	Dibromochloromethane	0.17	U	0.5	0.17	ug/L
106-93-4	1,2-Dibromoethane	0.17	U	0.5	0.17	ug/L
127-18-4	Tetrachloroethene	0.16	U	0.5	0.16	ug/L
108-90-7	Chlorobenzene	0.13	U	0.5	0.13	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.17	U	0.5	0.17	ug/L
67-72-1	Hexachloroethane	0.17	U	0.5	0.17	ug/L
100-41-4	Ethyl Benzene	0.14	U	0.5	0.14	ug/L
126777-61-2	m/p-Xylenes	0.29	U	1.0	0.29	ug/L
95-47-6	o-Xylene	0.15	U	0.5	0.15	ug/L
100-42-5	Styrene	0.14	U	0.5	0.14	ug/L
75-25-2	Bromoform	0.17	U	0.5	0.17	ug/L
108-86-1	Bromobenzene	0.14	U	0.5	0.14	ug/L
98-82-8	Isopropylbenzene	0.14	U	0.5	0.14	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.18	U	0.5	0.18	ug/L
96-18-4	1,2,3-Trichloropropane	0.20	U	0.5	0.20	ug/L
103-65-1	N-propylbenzene	0.14	U	0.5	0.14	ug/L
95-49-8	2-Chlorotoluene	0.11	U	0.5	0.11	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.15	U	0.5	0.15	ug/L

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

## Report of Analysis

Client:	EPM, INC.	Date Collected:	3/29/2007
Project:	Katonah	Date Received:	3/31/2007
Client Sample ID:	FB	SDG No.:	Y2134
Lab Sample ID:	Y2134-09	Matrix:	WATER
Analytical Method:	524.2 Rev3	% Moisture:	100
Sample Wt/Wt:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF006541.D	1	4/11/2007	VF041007

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-43-4	4-Chlorotoluene	0.15	U	0.5	0.15	ug/L
98-06-6	tert-Butylbenzene	0.15	U	0.5	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.15	U	0.5	0.15	ug/L
135-98-8	Sec-butylbenzene	0.14	U	0.5	0.14	ug/L
99-87-6	p-Isopropyltoluene	0.14	U	0.5	0.14	ug/L
541-73-1	1,3-Dichlorobenzene	0.15	U	0.5	0.15	ug/L
106-46-7	1,4-Dichlorobenzene	0.17	U	0.5	0.17	ug/L
104-51-8	n-Butylbenzene	0.12	U	0.5	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.5	0.16	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.19	U	0.5	0.19	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.11	U	0.5	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.5	0.13	ug/L
91-20-3	Naphthalene	0.14	U	0.5	0.14	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.16	U	0.5	0.16	ug/L
<b>SURROGATES</b>						
2199-69-1	1,2-Dichlorobenzene-d4	0.92	92 %	80 - 120	SPK:	1
460-00-4	4-Bromofluorobenzene	1	100 %	80 - 120	SPK:	1
<b>INTERNAL STANDARDS</b>						
462-06-6	Fluorobenzene	312245	8.13			

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range

**ATTACHMENT B**

### **ORGANIC DATA QUALIFIERS**

- U -** Indicates that the compound was analyzed for, but not detected at or above the Contract Required Quantitation Limit (CRQL), or the compound is not detected due to qualification through the method or field blank.
- J -** The associated numerical value is an estimated quantity.
- JN -** Tentatively identified with approximated concentrations (Volatile and Semi-Volatile Organics). Presumptively present at an approximated quantity (Pesticides/PCBs).
- UJ -** The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance from quality control limits.
- C -** Applies to Pesticide results where the identification has been confirmed by GC/MS.
- E -** Reported value is estimated due to quantitation above the calibration range.
- D -** Reported result taken from diluted sample analysis.
- A -** Aldol condensation product.
- R -** Reported value is unusable and rejected due to variance from quality control limits.
- NA -** Not Analyzed.

**ATTACHMENT C**



284 Sheffield Street, Mountainside NJ 07092  
Tel: 908-789-8900 Fax 908-789-8922

## COVER PAGE

ProjectID: Katonah

OrderID: Y2134

CustomerName: EPM, INC.

LAB SAMPLE NO.	CLIENT SAMPLE NO
Y2134-01	RW
Y2134-02	RWMS
Y2134-03	DUP
Y2134-04	DIST
Y2134-05	STEFF
Y2134-06	W4
Y2134-07	W11
Y2134-08	DEP
Y2134-09	FB
Y2134-10	RWMSD

I certify that the 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 hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Middlewood Utilities Name: Middlewood Utilities  
Date: 4/13/07 Title: DA/loc



## CASE NARRATIVE

**EPM, INC.**

**Project Name:** Katonah

**Project # N/A**

**Chemtech Project # Y2134**

**A. Number of Samples and Date of Receipt:**

10 Water samples were received on 3/31/07.

**B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Chloride, Metals Group3, pH, Specific Conductance, and Volatiles Method 524.2. This data package contains results for Volatiles Method 524.2.

**C. Analytical Techniques:**

The analysis performed on instrument MSVOA F were done using GC column RTX624, which is 75 meters, 0.53 ID, 3.0 df, Restek Cat. #10974. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Tuning criteria met requirements.

I certify that the 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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V. Reyes Name: Mildred V. Reyes

Date: 4/13/07 Title: QA/QC

**ATTACHMENT D**

# CHEMTECH

## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092  
 (908) 789-8900 Fax (908) 789-8922  
[www.chemtech.net](http://www.chemtech.net)

CHEMTECH PROJECT NO.

*Y2134*

COC Number

064362

### CLIENT INFORMATION

REPORT TO BE SENT TO:

*EPA Inc.*

COMPANY: *1993 Marcus Ave. Inc.*

ADDRESS: *Lake Success State: NY ZIP: 11047*

CITY: *F. Portelos*

ATTENTION: *F. Portelos*

PHONE: *516-338-1144 FAX: 516-338-1331*

### CLIENT PROJECT INFORMATION

PROJECT NAME: *Katona*

BILL TO: *EPA Inc.* PO#:

PROJECT NO.: *27001*

LOCATION: *Katona*

PROJECT MANAGER: *F. Portelos*

e-mail: *F.Portelos*

PHONE: *516-338-1144*

FAX: *516-338-1331*

### CLIENT BILLING INFORMATION

BILL TO: *EPA Inc.*

ADDRESS: *Katona*

CITY: *F. Portelos*

STATE: *ZIP:*

ATTENTION: *F. Portelos*

PHONE: *516-338-1144*

ANALYSIS

PHONE:

### DATA TURNAROUND INFORMATION

FAX: *10* DAYS\*

HARD COPY: *10* DAYS\*

EDD: *10* DAYS\*

\* TO BE APPROVED BY CHEMTECH

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

RESULTS ONLY

USEPA CLP

RESULTS + QC

New York State ASP "B"

New Jersey REDUCED

New York State ASP "A"

New Jersey CLP

Other

EDD FORMAT

### PRESERVATIVES

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

Other

Comments:

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments:

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RElinquished by: *John Portelos* Received by: *John Portelos*

DATE/TIME: *3/24/02 6:30AM* DATE/TIME: *3/24/02 6:30AM*

RElinquished by: *John Portelos* Received by: *John Portelos*

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**APPENDIX B  
LABORATORY ANALYSIS SUMMARY REPORT**



**284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 789-8922 www.chemtech.net**

Bromoform	75-25-2	0.17 U	0.17 U	3.5	0.17 U				
Bromobenzene	108-86-1	0.14 U							
Isopropylbenzene	98-82-8	0.14 U							
1,1,2,2-Tetrachloroethane	79-34-5	0.18 U							
1,2,3-Trichloropropane	96-18-4	0.20 U							
n-propylbenzene	103-65-1	0.14 U							
2-Chlorotoluene	95-49-8	0.11 U							
1,3,5-Trimethylbenzene	108-67-8	0.15 U							
4-Chlorotoluene	106-43-4	0.15 U							
tert-Butylbenzene	98-06-6	0.15 U							
1,2,4-Trimethylbenzene	95-63-6	0.15 U							
sec-Butylbenzene	135-98-8	0.14 U							
p-Isopropyltoluene	99-87-6	0.14 U							
1,3-Dichlorobenzene	541-73-1	0.15 U							
1,4-Dichlorobenzene	106-46-7	0.17 U							
n-Butylbenzene	104-51-8	0.12 U							
1,2-Dichlorobenzene	95-50-1	0.16 U							
1,2-Dibromo-3-Chloropropane	96-12-8	0.19 U							
1,2,4-Trichlorobenzene	120-82-1	0.11 U							
Hexachlorobutadiene	87-68-3	0.13 U							
Naphthalene	91-20-3	0.14 U							
1,2,3-Trichlorobenzene	87-61-6	0.16 U							

Total Confident Conc. VOC                    19.5                    19.4                    9.7                    0.5                    1                    0.4                    0.5  
 Total TICs                                    0                            0                            0                            0                            0                            0                            0

#### Qualifiers

- U - The compound was not detected at the indicated concentration.
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- NR - Not analyzed