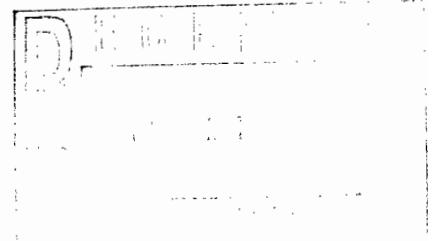


Post Remediation Groundwater Monitoring Report
Operable Unit – 1 (OU-1)
Utility Manufacturing Company
700 Main Street
Westbury, New York
07/03

July 2003

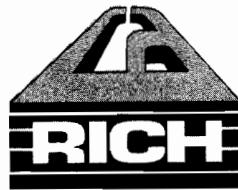
Prepared for:

Utility Manufacturing Company
700 Main Street
Westbury, New York



Prepared by:

CA RICH CONSULTANTS, INC.
17 Dupont Street
Plainview, New York 11803



CA RICH CONSULTANTS, INC.

CERTIFIED GROUND-WATER AND
ENVIRONMENTAL SPECIALISTS

July 16, 2003

NYSDEC

Division of Hazardous Waste Remediation
625 Broadway
Albany, New York 12233-7015

Attention: Jeff Dyber, P.E.

Re: **Post-Remediation Groundwater Monitoring Report
Operable Unit – 1 (OU-1)
Utility Manufacturing Company
700 Main Street
Westbury, New York
Site Number: 130043H**

Dear Mr. Dyber:

CA RICH Consultants, Inc. (CA RICH) is pleased to provide you with the following Post-Remediation Groundwater Monitoring Report for OU-1 of the Utility Manufacturing site. This Report was prepared by CA RICH on behalf of the Utility Manufacturing Company (Utility) in accordance with an Order on Consent, Index Number W1-0795-97-06. For the purposes of this document, the contaminants of concern were perchloroethene (a.k.a. PCE or tetrachloroethene); trichloroethene (TCE); 1,1,1-trichloroethane (TCA) and their degradation products.

This Report includes the following items:

- Background;
- Post-Remediation Groundwater Monitoring Procedures;
- Post-Remediation Groundwater Monitoring Reporting; and
- Schedule;
- Summary and Conclusions.

1.0 Background

An Interim Remedial Measure (IRM) was performed at the Utility site from September 2001 through December 2002. This consisted of the installation of two air sparge points, two clustered soil vapor extraction wells and a multi-depth clustered monitoring well. An air compressor, regenerative blower and carbon units were installed in an equipment container located on the property. The air sparging/soil vapor extraction system operated from November 15, 2001 to December 19, 2002. In accordance with the IRM Work Plan, operation of the air sparging/soil vapor extraction system ceased after collection of the Fourth Quarter 2002 round of groundwater monitoring.

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A series of previous reports were generated for this site by both the NYSDEC and Utility. The following is a partial list of these previous documents.

<u>Investigation</u>	<u>Date</u>
NYS Superfund Contract, Site Investigation Report New Cassel Industrial Area (Ref. 1)	February 1995
NYS Superfund Contract, Multisite PSA Report New Cassel Industrial Area (Ref. 2)	March 1996
NYS Superfund Contract, Multisite PSA Report New Cassel Industrial Area (Ref. 3)	March 1997
Focused Remedial Investigation, Utility Manufacturing/ Wonder King, Anson Environmental, Ltd. (Ref. 4)	January 1999
On-Site Groundwater Investigation, Utility Manufacturing/ Wonder King, Anson Environmental, Ltd. (Ref. 5)	December 2000
Interim Remedial Measures Work Plan Utility Manufacturing Company 700 Main Street, Westbury, New York (Ref. 6)	August 2001
Interim Remedial Measures Report and Operation and Maintenance (O&M) Manual Utility Manufacturing Company 700 Main Street, Westbury, New York (Ref. 7)	December 2001
Quarterly Monitoring Report, Fourth Quarter 2002 Utility Manufacturing Company 700 Main Street, Westbury, New York (Ref. 8)	January 2003

2.0 Post-Remediation Groundwater Monitoring Procedures

A program of post-remediation groundwater monitoring was performed on the monitoring wells installed at this site. These wells include MW-1, MW-2, MW-3, MW-4, MW-5R, MW-6, MDCW-7S, MDCW-7I and MDCW-7D. The locations of the wells are presented on the attached Figure. The testing included halogenated volatile organic compounds using EPA Method 8021 or its equivalent.

A volume of at least three casing volumes of groundwater was purged from each monitoring well and collected in a container using a submersible pump. The samples were then collected directly from the pump discharge.

As the goal of this Plan was to obtain post-remedial confirmation of the air sparging/soil vapor extraction effort, the Quality Assurance/Quality Control (QA/QC) procedures were similar to those used during the operation of the remediation system. One sample from each well was collected and placed into laboratory issued bottles. These were in turn placed in an ice-filled cooler and delivered to an ELAP-Certified laboratory under Chain-Of-Custody documentation. Trip blanks, field blanks, duplicates and matrix spikes were not performed.

3.0 Post-Remediation Groundwater Monitoring Reporting

When the sampling was completed and the results were received from the laboratory, a report was prepared. The report included the following.

- A description of the work performed;
- The results of the laboratory analysis; and
- Graphs of the concentration of perchloroethene versus time.

The graphs were updated after each sampling round and a report was submitted to the NYSDEC.

4.0 Schedule

The groundwater monitoring program began five months from the time the air sparging and soil vapor extraction system was turned off, which corresponds to June 2003. Monitoring will be performed annually thereafter for a period of two years (i.e.: June 2003 to June 2005).

Graphs of the concentration of perchloroethene versus time were compiled after each round of monitoring. *The post-remediation groundwater monitoring program will be deemed completed after the June 2003, June 2004 and June 2005 samples are analyzed and the VOC concentrations in site wells MW-4, MW-5R, MW-6 and MW-7S, 7I & 7D do not exceed all four of the following criteria:*

- *the concentration in the upgradient well or wells as determined by the NYSDEC;*
- *the highest concentration measured in any of the project wells during the third quarter 2002;*
- *the highest concentration measured in any of the project wells during the fourth quarter 2002;*
- *the NYSDEC groundwater standards.*

If any analyte exceeds all four criteria in wells MW-4, MW-5R, MW-6 and MDCW-7S, 7I & 7D, the NYSDEC will determine if additional monitoring and/or remediation is necessary.

5.0 Summary and Conclusions

The concentration of tetrachloroethene in the up gradient wells (MW-1&3) were greater than those in the down gradient wells. The highest concentration measured during the fourth quarter of 2002 (when operation of the remediation equipment was terminated) was 13 ug/L in MW-3. Six months later during the second quarter of 2003, the concentration of tetrachloroethene in this well decreased to 8.8 ug/L.

The concentration of tetrachloroethene in the remaining site wells were less than the regulatory level of 5.0 ug/L. This supports the effectiveness of the SVE/AS effort performed during the IRM. Another round of Post-Remediation sampling will be performed in June 2004.

CA RICH CONSULTANTS, INC.

If there are any questions regarding this Report, please do not hesitate to call our office.

Sincerely,

CA RICH CONSULTANTS, INC.



Eric A. Weinstock
Associate

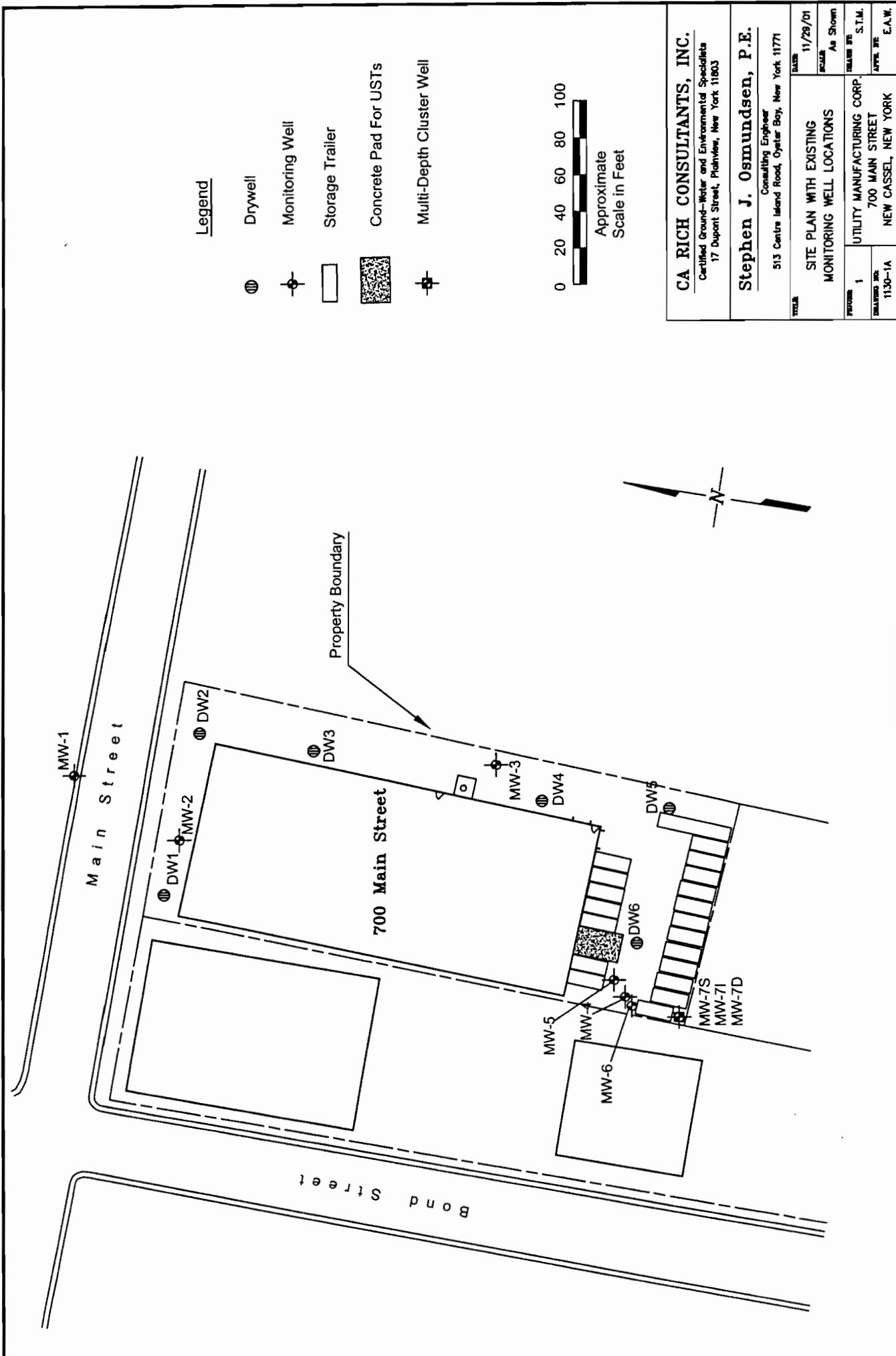
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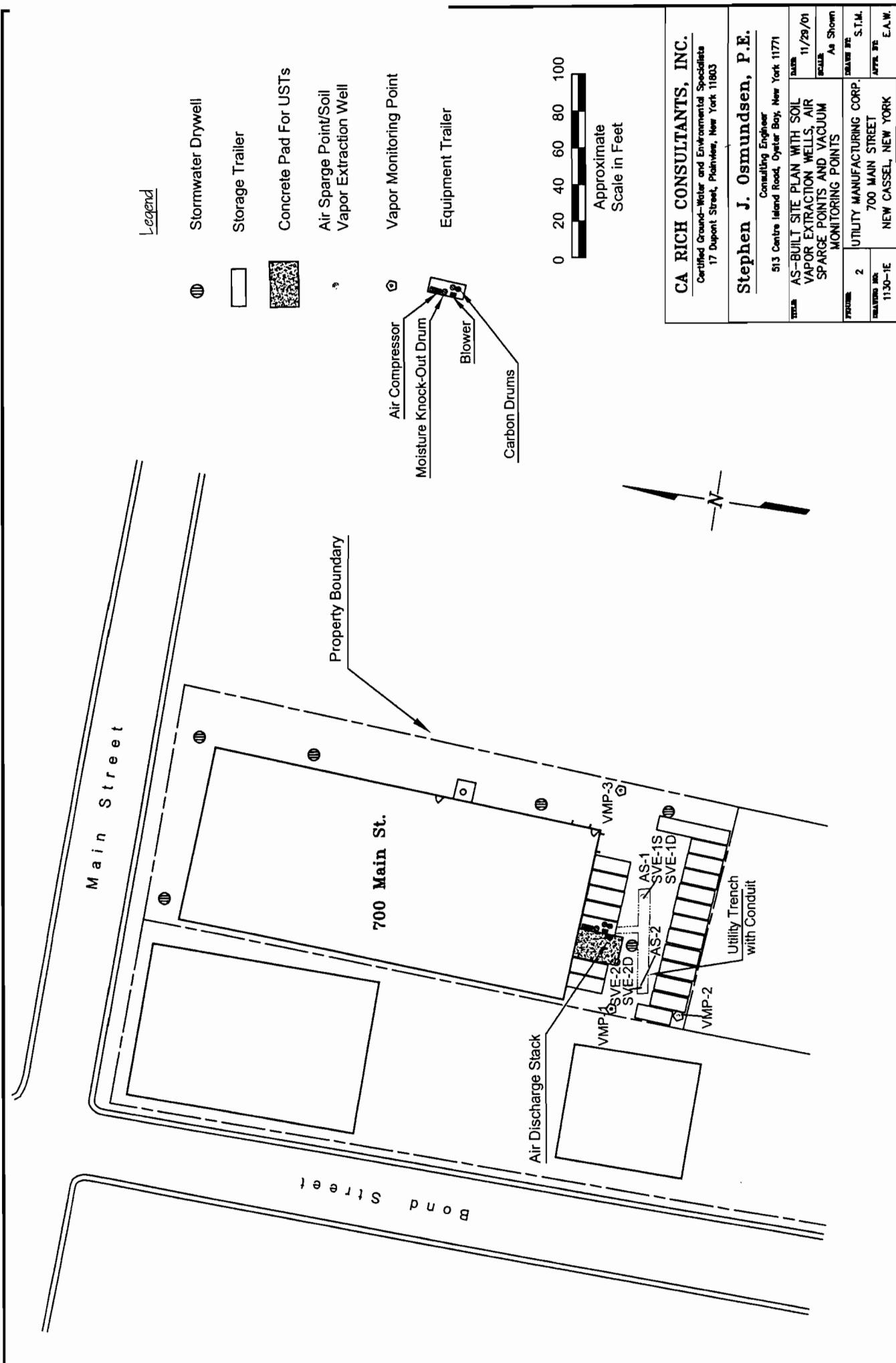
cc: Audie Kranz
 Miriam Villani, Esq.
 Alali Tamuno, Esq.
 Jacqueline Nealson

References

1. NYSDEC (February 1995), NYS Superfund Contract, Site Investigation Report, New Cassel Industrial Area.
2. NYSDEC, (March 1996), NYS Superfund Contract, Multisite PSA Report, New Cassel Industrial Area.
3. NYSDEC, (March 1997), NYS Superfund Contract, Multisite PSA Report, New Cassel Industrial Area.
4. Anson Environmental, Ltd., (January 1999), Focused Remedial Investigation, Utility Manufacturing/Wonder King,
5. Anson Environmental, Ltd , (December 2000), On-Site Groundwater Investigation, Utility Manufacturing/Wonder King.
6. CA RICH, August 2001, Interim Remedial Measures Work Plan, Utility Manufacturing Company, 700 Main Street, Westbury, New York
7. CA RICH, December 2001, Interim Remedial Measures Report, Utility Manufacturing Company, 700 Main Street, Westbury, New York
8. CA RICH, January 2003, Quarterly Monitoring Report, Fourth Quarter 2002, Utility Manufacturing Company, 700 Main Street, Westbury, New York
9. CA RICH, April 2003, Post Remediation Monitoring Plan, Utility Manufacturing Company, 700 Main Street, Westbury, New York

FIGURES





TABLES

Table 1
Summary of Analytical Detections in Well MW-1
Utility Manufacturing, Westbury, NY

Comments/Calendar Quarter	Well ID	MW-1		MW-1		MW-1		MW-1		NYSDEC TOGS* values
		Baseline Data	1 Qtr 2002 55 to 60 10/29/2001	2 Qtr 2002 55 to 60 03/14/2002	3 Qtr 2002 55 to 60 06/24/2002	4 Qtr 2002 55 to 60 09/17/2002	55 to 60 12/19/2002	55 to 60 06/18/2003	55 to 60 06/18/2003	
Sample depth in feet										
Date Sampled										
Days since system start up		-17	119	221	306	399	580			
Days since initial sample		0	136	238	323	416	597			
<hr/>										
Volatile Organics (EPA METHOD 8021) Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Tetrachloroethene	5.4	2.8	1.7	3.9	2.0	2.1				5.00
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Vinyl Chonide	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00
1,1,1 Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
1,1 Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00

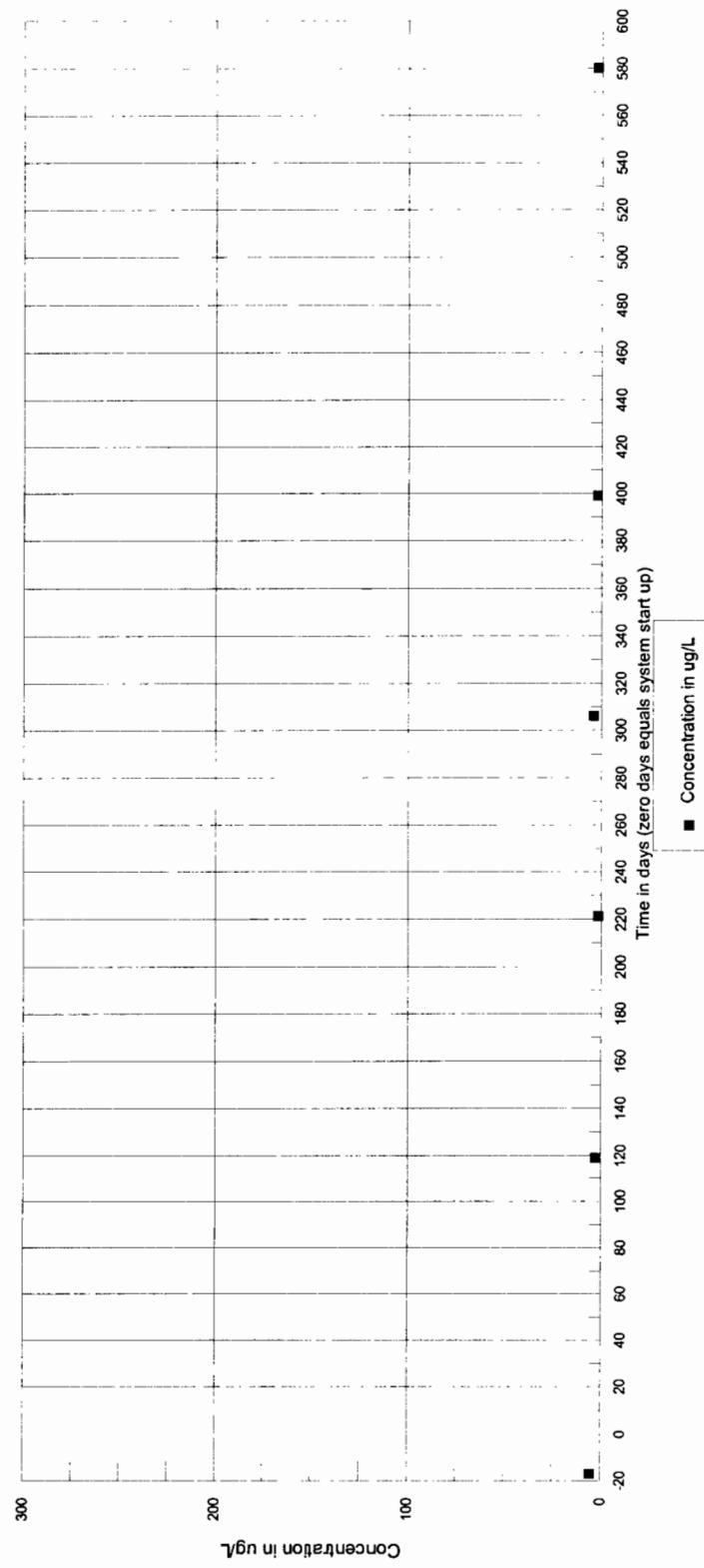
Notes:

ND: Indicates compound analyzed but not detected at laboratory detection level.
 ug/L: micrograms per liter or parts per billion.
 Date of system start up:
 11/15/2001

*NYSDEC Technical and Operational Guidance Series (1.1.1)
 Ambient Water Quality Standards and Guidance Values; June 1998

Prepared by CA Rich Consultants Inc.

MW-1
Tetrachloroethene versus time



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Table 2
Summary of Analytical Detections in Well MW-2
for Volatile Organics Compounds in Groundwater
Utility Manufacturing, Westbury, NY

Well ID Comments/Calendar Quarter	MW-2 Baseline Data	MW-2 1 Qtr 2002 dry	MW-2 2 Qtr 2002 dry	MW-2 3 Qtr 2002 dry	MW-2 4 Qtr 2002 dry	MW-2 12/19/2002 dry	MW-2 06/18/2003 dry	MW-2 06/18/2003 580	MW-2 597	NYSDEC TOGS* values
Date Sampled	10/29/2001	03/14/2002	06/24/2002	09/17/2002	12/19/2002	306	399			
Days since system start up	-17	119	221							
Days since initial sample	0	136	238	323	416					
<hr/>										
Volatile Organics (EPA METHOD 8021) Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Tetrachloroethene	dry	dry	dry	dry	dry	dry	dry	dry	dry	5.00
Trichloroethene	dry	dry	dry	dry	dry	dry	dry	dry	dry	5.00
cis-1,2-Dichloroethene	dry	dry	dry	dry	dry	dry	dry	dry	dry	5.00
trans-1,2-Dichloroethene	dry	dry	dry	dry	dry	dry	dry	dry	dry	5.00
Vinyl Chloride	dry	dry	dry	dry	dry	dry	dry	dry	dry	2.00
1,1,1 Trichloroethane	dry	dry	dry	dry	dry	dry	dry	dry	dry	5.00
1,1 Dichloroethane	dry	dry	dry	dry	dry	dry	dry	dry	dry	5.00
Chloroethane	dry	dry	dry	dry	dry	dry	dry	dry	dry	5.00

Notes:

ND: Indicates compound analyzed but not detected at laboratory detection level.

ug/L: micrograms per liter or parts per billion.

Date of system start up:

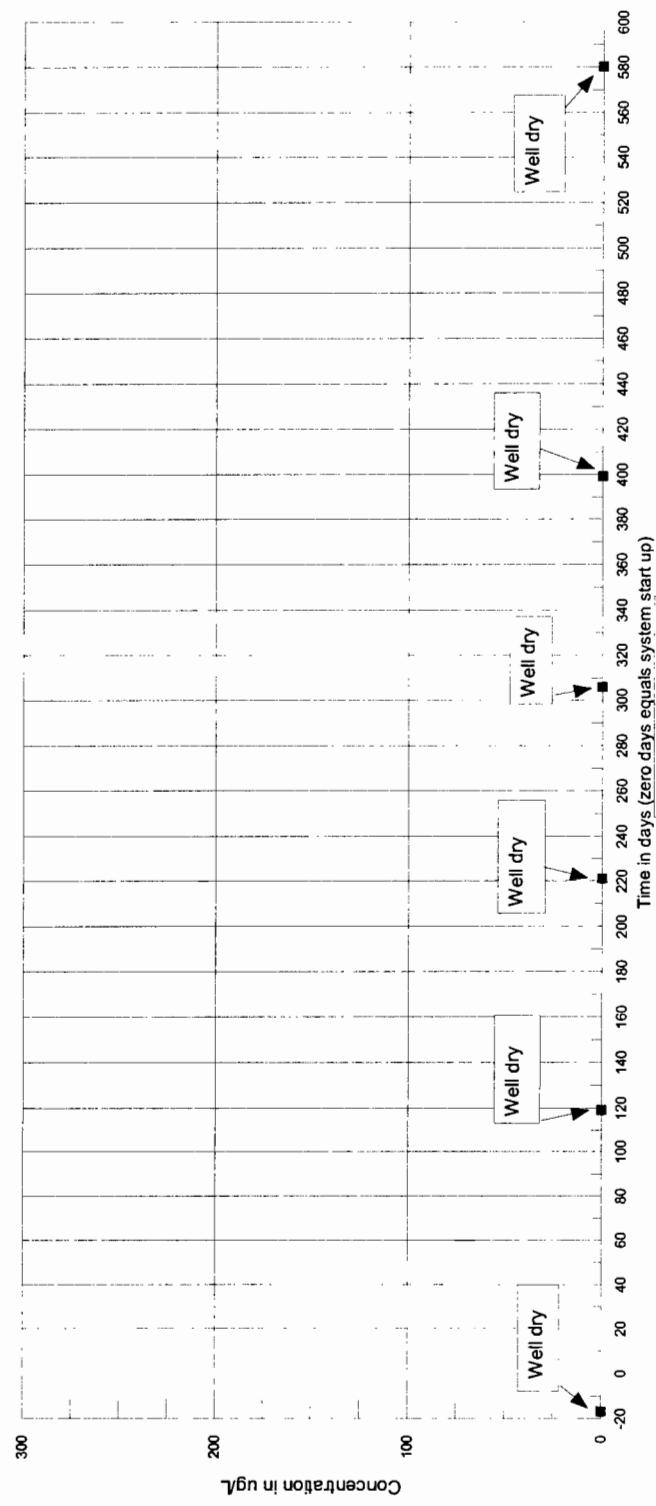
1/15/2001

*NYSDEC Technical and Operational Guidance Series (1.1.1)
 Ambient Water Quality Standards and Guidance Values; June 1998

Prepared by CA Rich Consultants Inc.

MW-2

Tetrachloroethylene versus time



There is no data for dates when the well is dry.

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Table 3
Summary of Analytical Detections In Well MW-3
for Volatile Organics Compounds in Groundwater
Utility Manufacturing, Westbury, NY

Well ID Comments/Calendar Quarter	MW-3 Baseline Data	MW-3 1 Qtr 2002 55 to 70	MW-3 2 Qtr 2002 55 to 70	MW-3 3 Qtr 2002 55 to 70	MW-3 4 Qtr 2002 55 to 70	MW-3 12/19/2002 306	MW-3 06/18/2003 399	MW-3 06/18/2003 580	NYSDEC TOGS* values
10/29/2001	03/14/2002	-17	119	221	306	399	580	597	
Volatile Organics (EPA METHOD 8021) Units									
Tetrachloroethene	49	14	15	20	13	8.8			5.00
Trichloroethene	2.9	ND	ND	ND	ND	ND			5.00
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND			5.00
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND			5.00
Vinyl Chloride	ND	ND	ND	ND	ND	ND			2.00
1,1,1 Trichloroethane	3.1	ND	ND	ND	ND	ND			5.00
1,1 Dichloroethane	ND	ND	ND	ND	ND	ND			5.00
Chloroethane	ND	ND	ND	ND	ND	ND			5.00

Notes:

ND: Indicates compound analyzed but not detected at laboratory detection level.

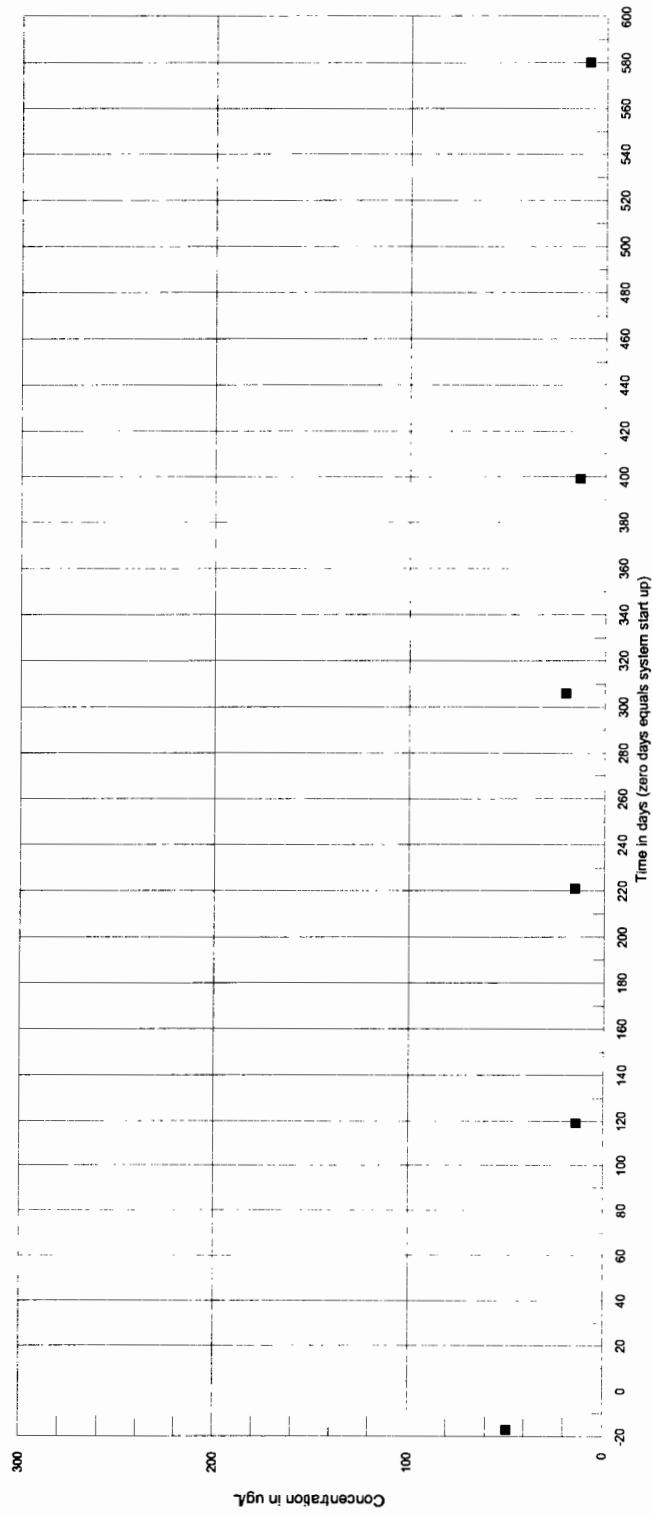
ug/L: micrograms per liter or parts per billion.

Date of system start up:
11/15/2001

*NYSDEC Technical and Operational Guidance Series (1.1:1)
 Ambient Water Quality Standards and Guidance Values; June 1998

Prepared by CA Rich Consultants Inc.

MW-3
Tetrachloroethylene versus time



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Table 4
Summary of Analytical Detections in Well MW-4
for Volatile Organics Compounds in Groundwater
Utility Manufacturing, Westbury, NY

Comments/Calendar Quarter	Well ID	MW-4 Baseline Data	MW-4		MW-4		MW-4		MW-4		NYSDEC TOGS* values
			dry	1 Qtr 2002	dry	2 Qtr 2002	3 Qtr 2002	dry	4 Qtr 2002	2 Qtr 2003	
Sample depth in feet		10/29/2001		03/14/2002		06/24/2002		09/17/2002		12/19/2002	29 to 39
Date Sampled		-17		119		221		306		399	06/18/2003
Days since system start up		0		136		238		323		416	580
Days since initial sample											597
<hr/>											
Volatile Organics (EPA METHOD 8021) Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Tetrachloroethene	dry	dry	1.4	5.8	8.6	8.6	2.9				5.00
Trichloroethene	dry	dry	1.4	4.6	2.8	ND					5.00
cis-1,2-Dichloroethene	dry	dry	ND	ND	ND	ND	4.5				5.00
trans-1,2-Dichloroethene	dry	dry	ND	ND	ND	ND	ND	ND			5.00
Vinyl Chloride	dry	dry	ND	ND	ND	ND	ND	ND			2.00
1,1,1 Trichloroethane	dry	dry	ND	ND	ND	ND	ND	ND			5.00
1,1 Dichloroethane	dry	dry	ND	ND	ND	ND	ND	ND			5.00
Chloroethane	dry	dry	ND	ND	ND	ND	ND	ND			5.00

Notes:

ND: Indicates compound analyzed but not detected at laboratory detection level.
 ug/L: micrograms per liter or parts per billion.
 Date of system start up: 11/15/2001

Prepared by CA Rich Consultants Inc.

*NYSDEC Technical and Operational Guidance Series (1.1.1)
 Ambient Water Quality Standards and Guidance Values; June 1998

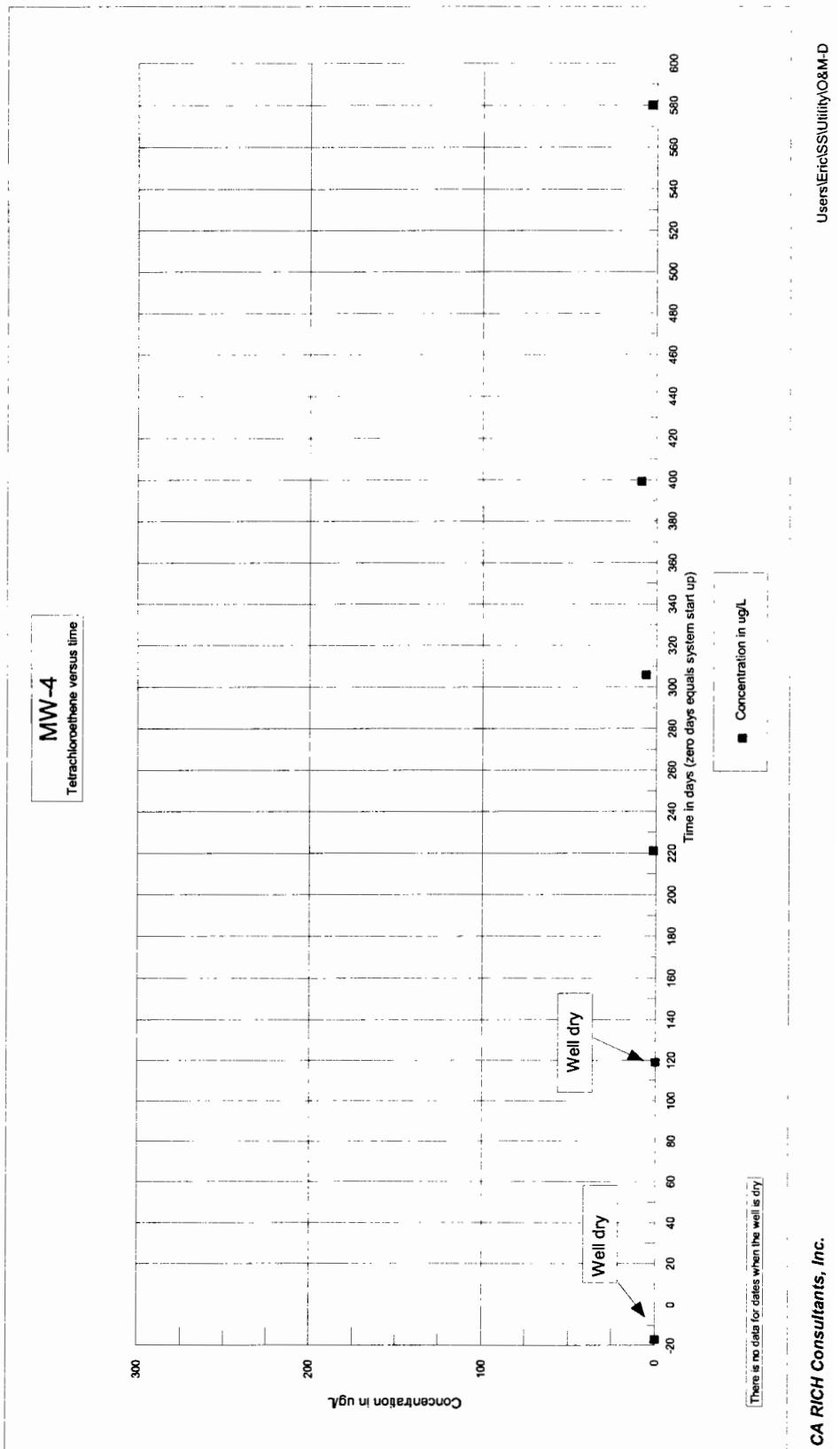


Table 5
Summary of Analytical Detections in Well MW-5 (MW-5R)
for Volatile Organics Compounds in Groundwater
Utility Manufacturing, Westbury, NY

Well ID Comments/Calendar Quarter Sample depth in feet Date Sampled Days since system start up Days since initial sample	MW-5 Baseline Data 55 to 61.5 10/29/2001	MW-5 1 Qtr 2002 dry	MW-5 2 Qtr 2002 dry	MW-5R 3 Qtr 2002 59 to 70 09/17/2002	MW-5R 4 Qtr 2002 59 to 70 12/19/2002	MW-5R 06/18/2003 399 580	MW-5R 597	NYSDEC TOGS* values
Volatile Organics (EPA METHOD 8021) Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Tetrachloroethene	220	dry	dry	1.6	ND	ND	ND	5.00
Trichloroethene	24	dry	dry	ND	ND	ND	ND	5.00
cis-1,2-Dichloroethene	25	dry	dry	ND	ND	ND	ND	5.00
trans-1,2-Dichloroethene	ND	dry	dry	ND	ND	ND	ND	5.00
Vinyl Chloride	ND	dry	dry	ND	ND	ND	ND	2.00
1,1,1 Trichloroethane	10	dry	dry	ND	ND	ND	ND	5.00
1,1 Dichloroethane	ND	dry	dry	ND	ND	ND	ND	5.00
Chloroethane	ND	dry	dry	ND	ND	ND	ND	5.00

Notes:

ND: Indicates compound analyzed but not detected at laboratory detection level.
 ug/L: micrograms per liter or parts per billion.
 Date of system start up: 11/15/2001

*NYSDEC Technical and Operational Guidance Series (1.1.1)
 Ambient Water Quality Standards and Guidance Values; June 1998

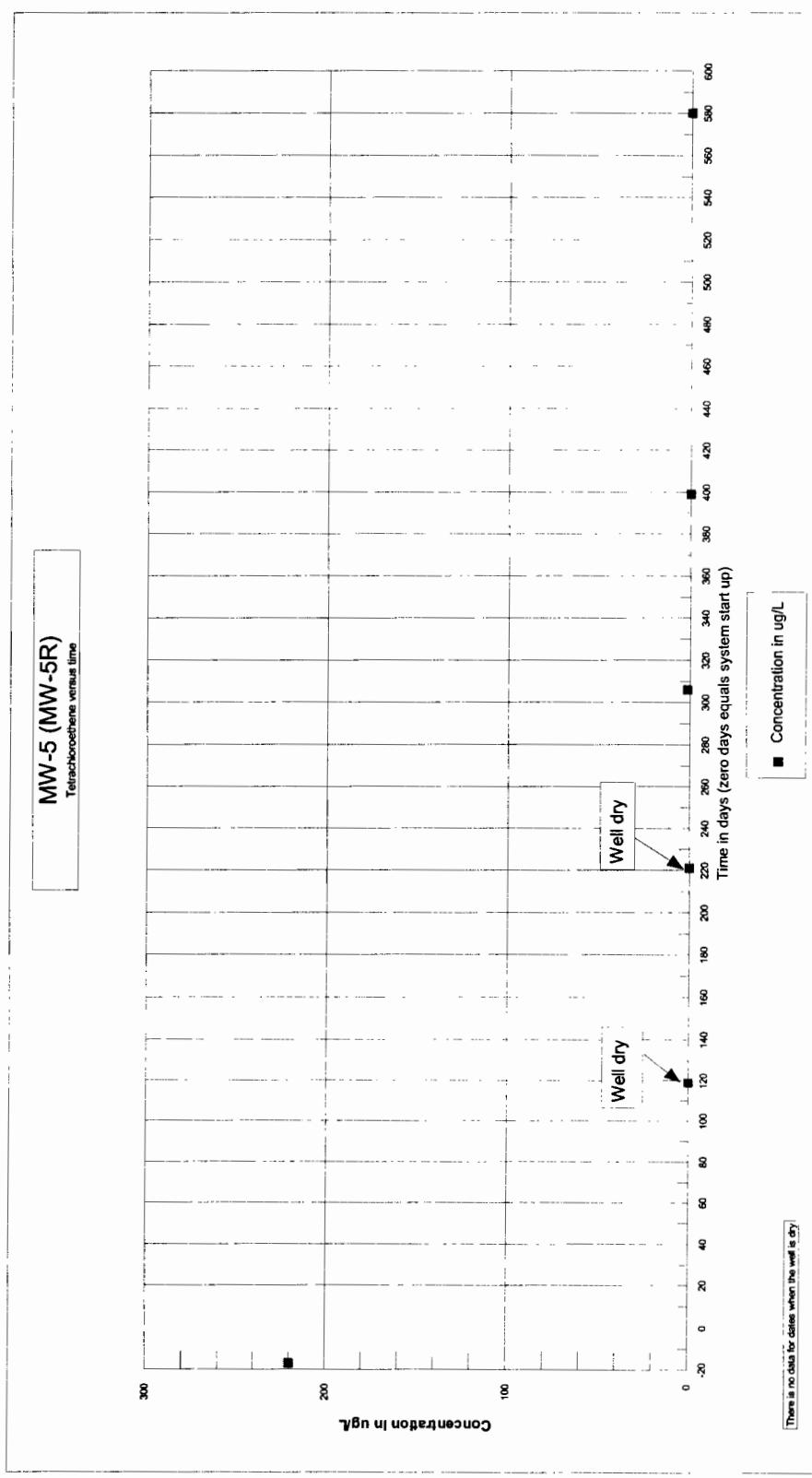


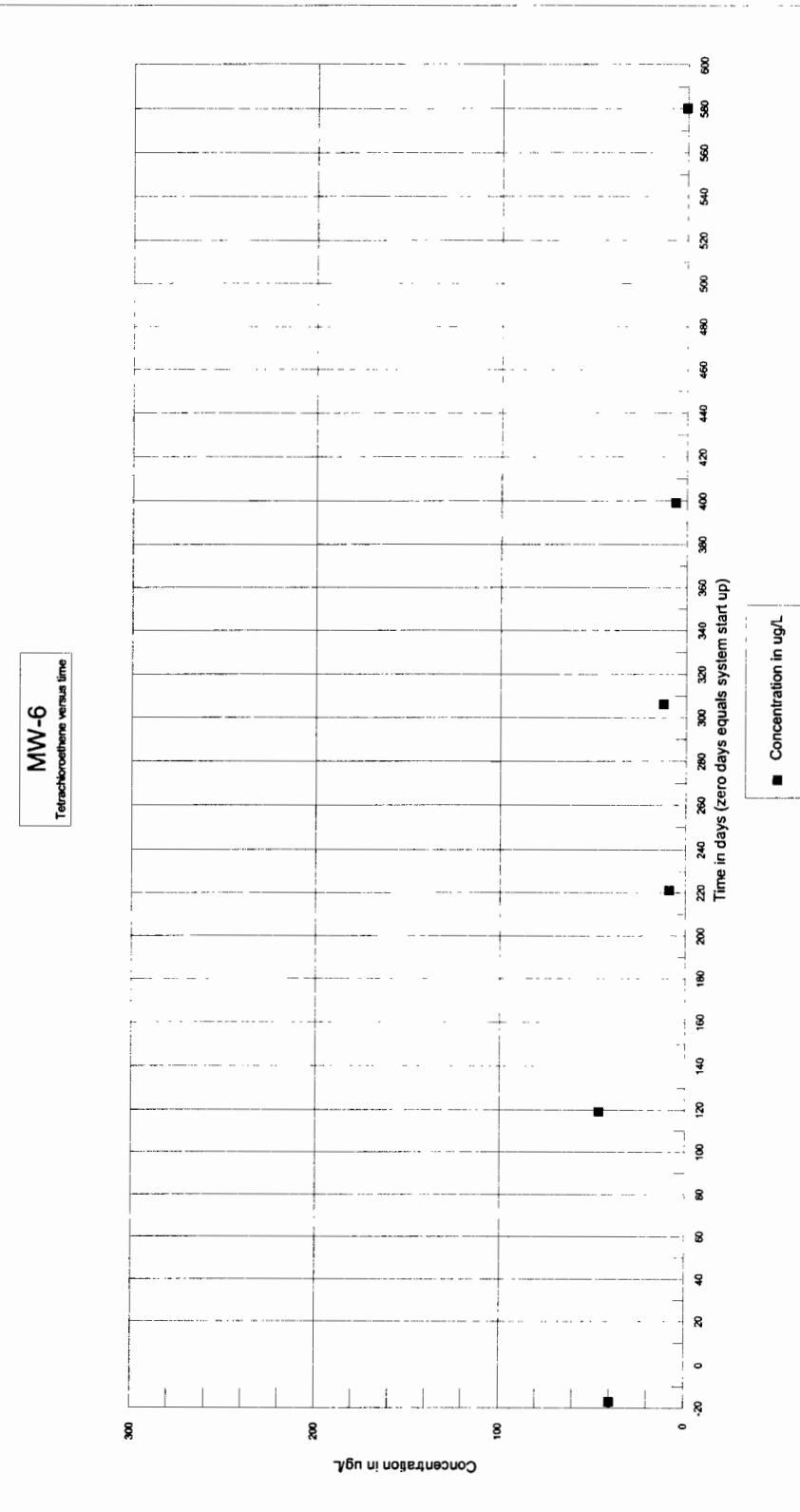
Table 6
Summary of Analytical Detections in Well MW-6
for Volatile Organics Compounds in Groundwater
Utility Manufacturing, Westbury, NY

Well ID Comments/Calendar Quarter	MW-6 Baseline Data	MW-6 1 Qtr 2002	MW-6 2 Qtr 2002	MW-6 3 Qtr 2002	MW-6 4 Qtr 2002	MW-6 55 to 95	MW-6 55 to 95	MW-6 55 to 95	MW-6 55 to 95	MW-6 06/18/2003	NYSDEC TOGS* values
Volatile Organics (EPA METHOD 8021) Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Tetrachloroethene	40	46	8.6	12	5.9	0.4					5.00
Trichloroethene	4	3.7	ND	1.1	ND	ND					5.00
cis-1,2-Dichloroethene	8.9	13	4.1	5.8	ND	ND					5.00
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND					5.00
Vinyl Chonide	ND	ND	ND	ND	ND	ND					2.00
1,1,1 Trichloroethane	1.5	2.4	ND	ND	ND	ND					5.00
1,1 Dichloroethane	ND	ND	ND	ND	ND	ND					5.00
Chloroethane	ND	ND	ND	ND	ND	ND					5.00

Notes:

ND: Indicates compound analyzed but not detected at laboratory detection level.
 ug/L: micrograms per liter or parts per billion.
 Date of system start up: 11/15/2001

*NYSDEC Technical and Operational Guidance Series (1.1.1)
 Ambient Water Quality Standards and Guidance Values; June 1998



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Users\EricSS\Utility\O&M-D

Table 7
Summary of Analytical Detections In Well MW-7S
for Volatile Organics Compounds in Groundwater
Utility Manufacturing, Westbury, NY

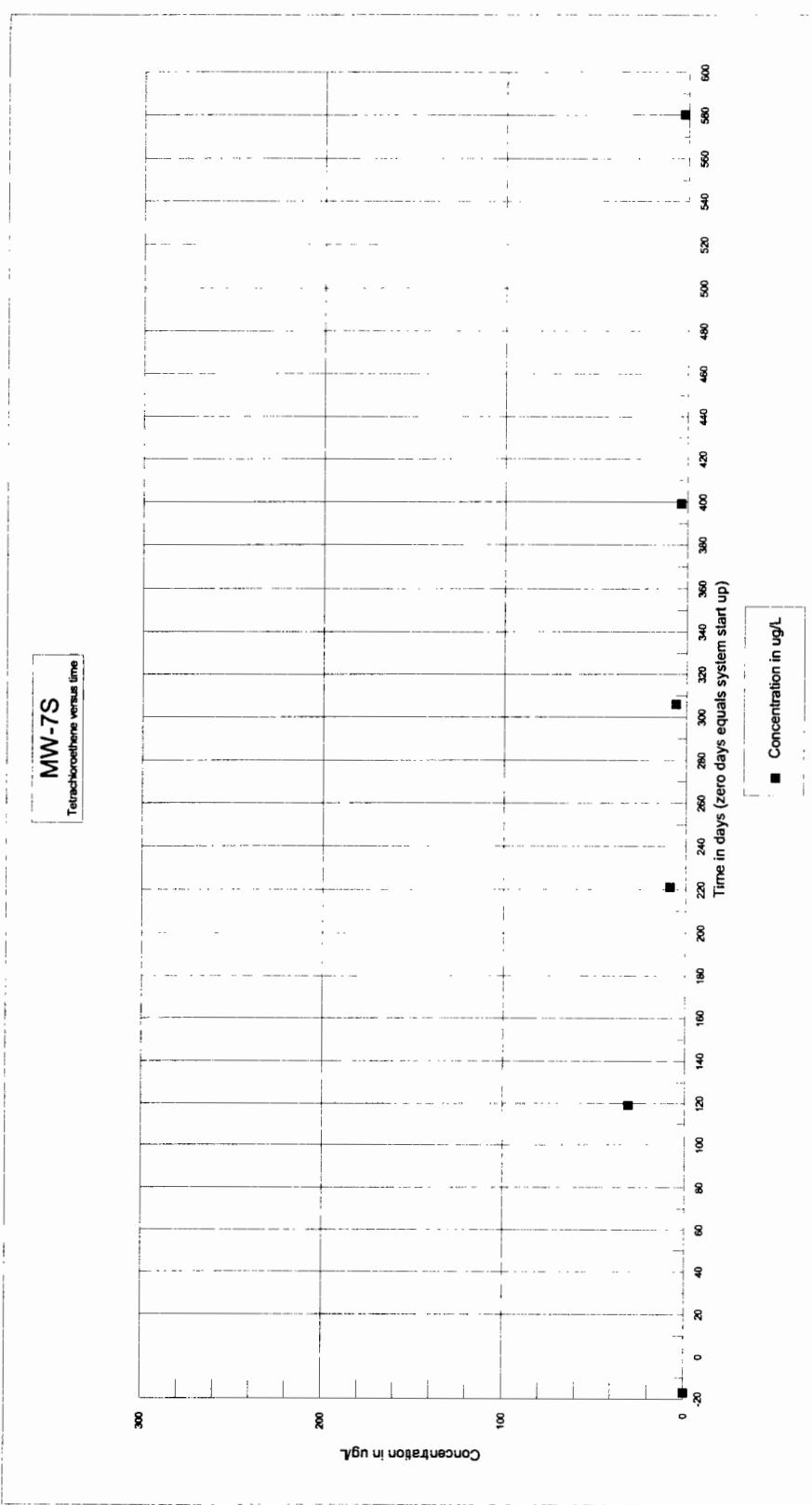
Well ID Comments/Calendar Quarter	MW-7S Baseline Data	MW-7S 1 Qtr 2002	MW-7S 2 Qtr 2002	MW-7S 3 Qtr 2002	MW-7S 4 Qtr 2002	MW-7S 55 to 70 03/14/2002	MW-7S 55 to 70 06/24/2002	MW-7S 55 to 70 09/17/2002	MW-7S 55 to 70 12/19/2002	MW-7S 55 to 70 06/18/2003	MW-7S 580 06/18/2003	MW-7S 597 06/18/2003	NYSDEC TOGS* values
Sample depth in feet	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Date Sampled	10/29/2001	55 to 70	55 to 70	55 to 70	55 to 70	55 to 70	55 to 70	55 to 70	55 to 70				
Days since system start up	-17	119	221	306	399	416	416	416	416	416	416	416	416
Days since initial sample	0	136	238	323	416	597	597	597	597	597	597	597	597
Volatile Organics (EPA METHOD 8021) Units													
Tetrachloroethene	ND	31	8.6	5.6	5.6	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2
Trichloroethene	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	7.1	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1 Trichloroethane	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND: Indicates compound analyzed but not detected at laboratory detection level.
 ug/L: micrograms per liter or parts per billion.
 Date of system start up: 1/15/2001

*NYSDEC Technical and Operational Guidance Series (1.1.1)
 Ambient Water Quality Standards and Guidance Values; June 1998

Prepared by CA Rich Consultants Inc.



CA RICH Consultants, Inc.

Users\Eric\SSUtility\O&M-D

Table 8
Summary of Analytical Detections In Well MW-71
for Volatile Organics Compounds in Groundwater
Utility Manufacturing, Westbury, NY

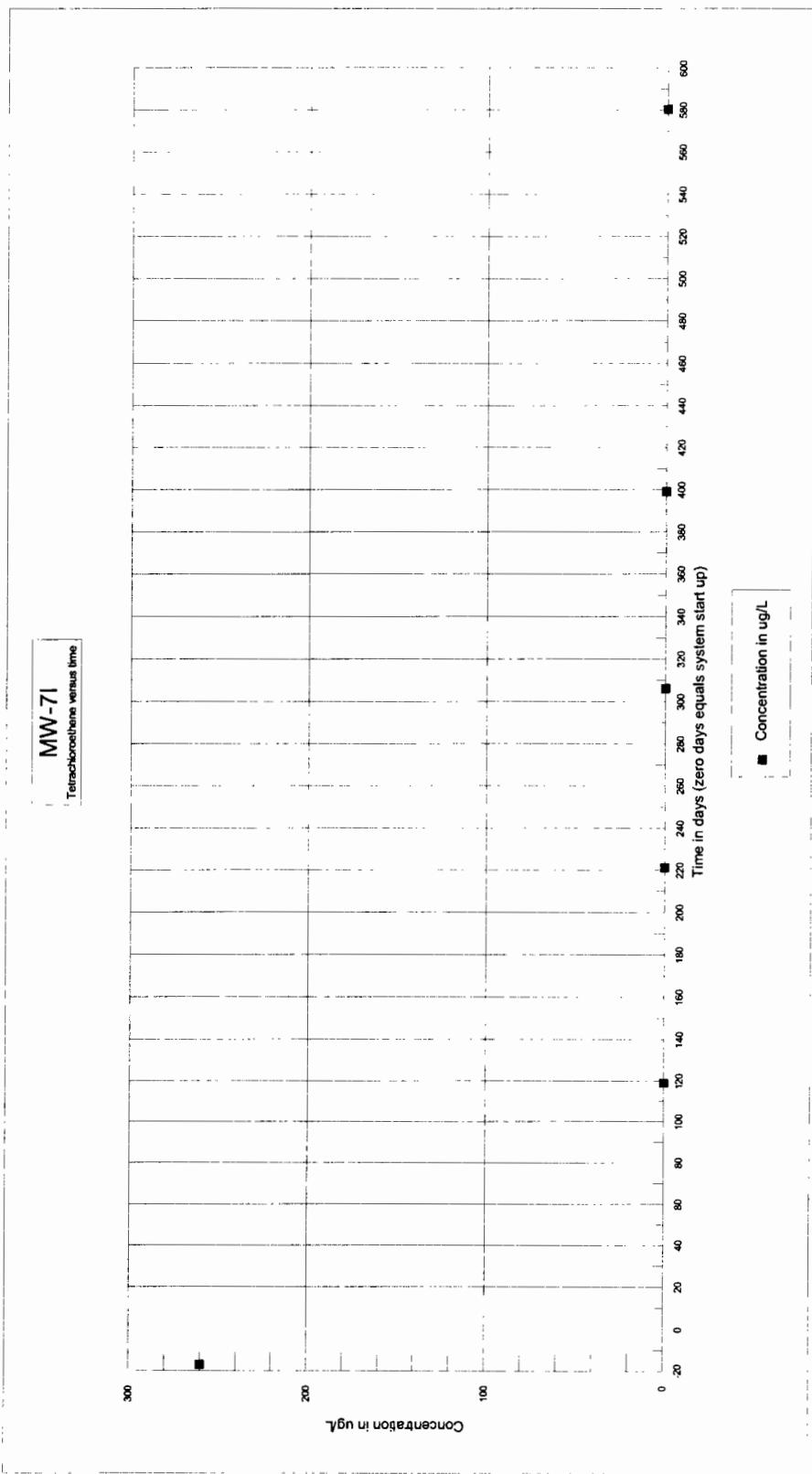
Well ID Comments/Calendar Quarter Sample depth in feet Date Sampled Days since system start up Days since initial sample	MW-71			MW-71			MW-71			MW-71		
	Baseline Data 78 to 88 10/29/2001	1 Qtr 2002 78 to 88 03/14/2002	2 Qtr 2002 78 to 88 06/24/2002	3 Qtr 2002 78 to 88 09/17/2002	4 Qtr 2002 78 to 88 12/19/2002	2 Qtr 2003 78 to 88 06/18/2003	4 Qtr 2002 78 to 88 09/17/2002	2 Qtr 2003 78 to 88 06/18/2003	4 Qtr 2002 78 to 88 09/17/2002	2 Qtr 2003 78 to 88 06/18/2003	4 Qtr 2002 78 to 88 09/17/2002	2 Qtr 2003 78 to 88 06/18/2003
Volatile Organics (EPA METHOD 8021) Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Tetrachloroethene	260	ND										
Trichloroethene	30	ND										
cis-1,2-Dichloroethene	32	ND										
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1 Trichloroethane	19	ND										
1,1 Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND: Indicates compound analyzed but not detected at laboratory detection level.
 ug/L: micrograms per liter or parts per billion.
 Date of system start up: 11/15/2001

ug/L: micrograms per liter or parts per billion.
 Date of system start up:

*NYSDEC Technical and Operational Guidance Series (1.1.1)
 Ambient Water Quality Standards and Guidance Values; June 1998



CA RICH Consultants, Inc.

Users\Eric\SSUtility\O&M-D

Table 9
Summary of Analytical Detections in Well MW-7D
for Volatile Organics Compounds in Groundwater
Utility Manufacturing, Westbury, NY

Well ID Comments/Calendar Quarter	Depth in feet	Date Sampled	Days since system start up	Days since initial sample	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D
					Baseline Data	1 Qtr 2002	2 Qtr 2002	3 Qtr 2002	4 Qtr 2002	95 to 105	95 to 105
Comments/Calendar Quarter	Depth in feet	Date Sampled	Days since system start up	Days since initial sample	10/29/2001	95 to 105					
					03/14/2002	06/24/2002	09/17/2002	12/19/2002	06/18/2003	06/18/2003	06/18/2003
					-17	119	221	306	399	580	597
					0	136	238	323	416	597	597
Volatile Organics (EPA METHOD 8021) Units					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Tetrachloroethene					ND	ND	ND	ND	ND	ND	ND
Trichloroethene					ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene					ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene					ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride					ND	ND	ND	ND	ND	ND	ND
1,1,1 Trichloroethane					2.6	1.2	1.6	2.5	ND	ND	ND
1,1 Dichloroethane					ND	ND	ND	ND	ND	ND	ND
Chloroethane					ND	ND	ND	ND	ND	ND	ND

Notes:

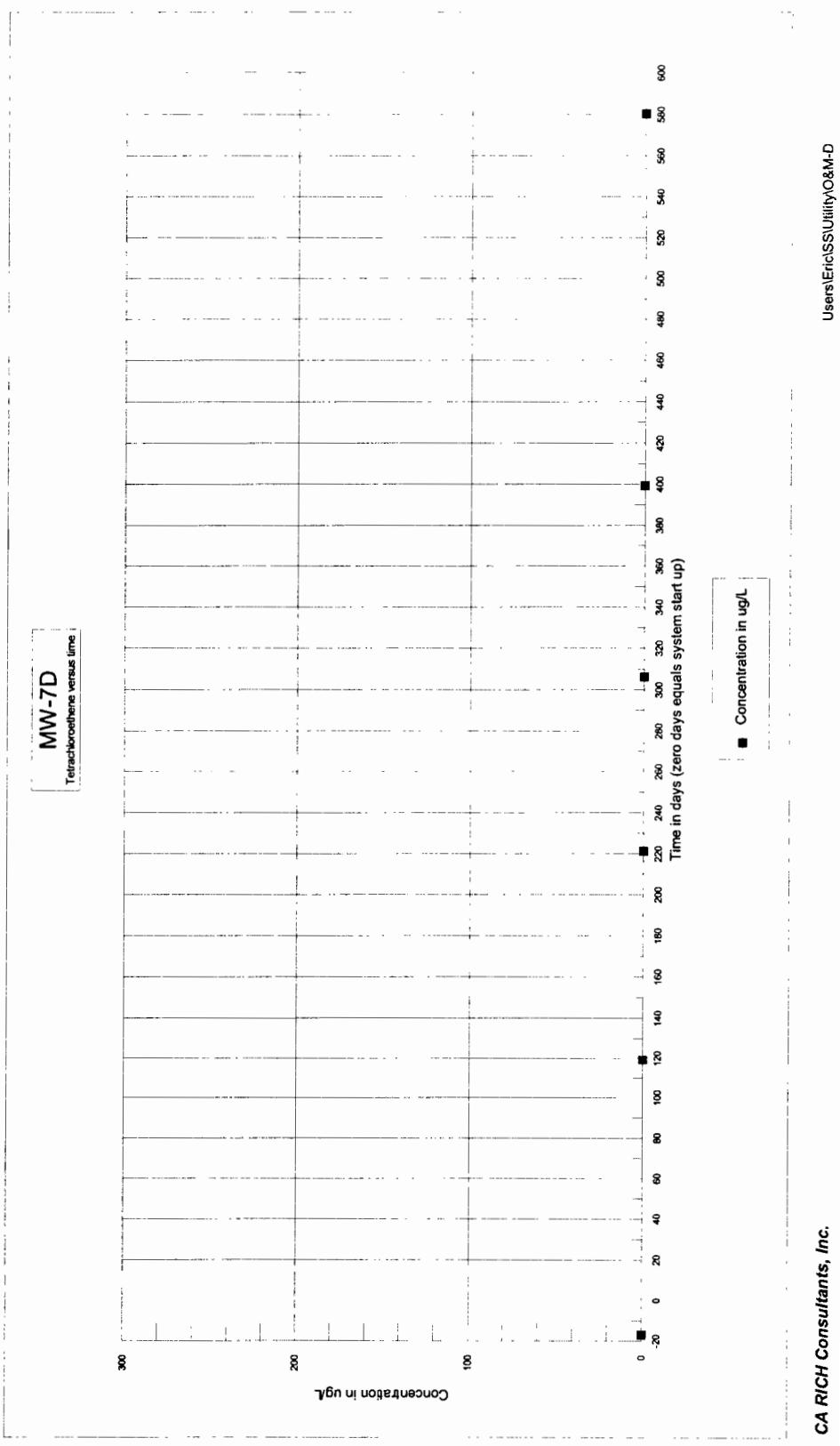
ND: Indicates compound analyzed but not detected at laboratory detection level.

ug/L: micrograms per liter or parts per billion.

Date of system start up:
1/15/2001

*NYSDEC Technical and Operational Guidance Series (1.1.1)
Ambient Water Quality Standards and Guidance Values; June 1998

Prepared by CA Rich Consultants Inc.



APPENDIX A



284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

ANALYTICAL RESULTS SUMMARY

PROJECT NAME: utility

RICH CONSULTANTS
17 DUPONT STREET
PLAINVIEW, NY 11803
5165768844

CHEMTECH PROJECT NO.
ATTENTION:

R2979
Mike Yager

Hit Summary Report

SDG No.: R2979

Order ID: R2979

Client: Rich Consultants

Project ID: utility

Test: VOCGC Group 1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
	Client ID: MW-1							
R2979-01	MW-1	WATER	Tetrachloroethene	2.1	J	5.0	0.4	ug/L
			Total VOC's:	2.10				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	2.10				
	Client ID: MW-3							
R2979-02	MW-3	WATER	Tetrachloroethene	8.8		5.0	0.4	ug/L
			Total VOC's:	8.80				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	8.80				
	Client ID: MW-4							
R2979-03	MW-4	WATER	22DCPRPA+CI12DC	4.5	J	5.0	0.6	ug/L
R2979-03	MW-4	WATER	Tetrachloroethene	2.9	J	5.0	0.4	ug/L
			Total VOC's:	7.40				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	7.40				
	Client ID: MW-6							
R2979-05	MW-6	WATER	Tetrachloroethene	0.4	J	5.0	0.4	ug/L
			Total VOC's:	0.40				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	0.40				
	Client ID: MW-7S							
R2979-06	MW-7S	WATER	Tetrachloroethene	2.2	J	5.0	0.4	ug/L
			Total VOC's:	2.20				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	2.20				

Note: The asterisk ** flag next to a parameter signifies a TIC parameter.

DATA PACKAGE FOR VOLATILE ORGANICS

PROJECT NAME: utility

RICH CONSULTANTS
17 DUPONT STREET
PLAINVIEW, NY 11803
5165768844

CHEMTECH PROJECT NO.
ATTENTION:

R2979
Mike Yager

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900

COVER PAGE

COVER PAGE

ProjectID: utility

Order R2979

CustomerName Rich Consultants

LAB SAMPLE NO.

R2979-07
R2979-08
R2979-04
R2979-05
R2979-06
R2979-01
R2979-02
R2979-03

CLIENT SAMPLE NO

MW-7I
MW-7D
MW-5
MW-6
MW-7S
MW-1
MW-3
MW-4

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: Wif Name: Krupa Dubey
Date: 7/11/03 Title: SAP/C

CHEMTECH

QA/QC DELIVERABLES CHECKLIST

Project Number: R2979

THIS FORM HAS BEEN COMPLETED BY CHEMTECH LABORATORY AND ACCOMPANIES ALL DATA DELIVERABLES PACKAGES.

The following laboratory deliverables are included in this analytical report. Any deviations from the accepted methodology and procedures, or performance values outside acceptable ranges are summarized in the Non-Conformance Summary.

	Yes	NA
I. Report Cover Page, Laboratory Certification and Field Sample to Lab Sample ID Cross Reference	✓	
II. Table of Contents	✓	
III. Chain of Custody Documents	✓	
IV. Methodology Summaries	✓	
V. Laboratory Chronicle and Hold Time Checks	✓	
VI. Non-Conformance Summary	✓	
VII. Tabulated Analytical Results	✓	✓ of notes
VIII. Initial and Continuing Calibration Information	✓	✓
IX. Tune and Internal Standard Area Summaries (GC/MS)	—	✓
X. Quality Control Summary Reports	✓	—
XI. Surrogate Recovery Summary	✓	—
XII. Raw Data Chromatogram, Blank, Samples and QC when applicable	—	✓
XIII. Subcontract Data	—	✓

M. Polka Sierra
QA/QC Data Reviewer

7/1/03

Date

110 Route 4
Englewood, NJ 07631
Phone: 201.568.7400 Fax: 201.567.3231

284 Sheffield Street
Mountainside, NJ 07041
Tel: 908.759.8900 Fax: 908.759.8922

**TABLE OF CONTENTS
PROJECT NUMBER: R2979RQ**

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GC/ MS VOLATILE ORGANIC DATA	
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TOTAL NUMBER OF PAGES	41

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900

**CHAIN OF
CUSTODY
RECORD**

Chemtech

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07042
 (908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH JOB NO.:
 1234567890

CHEMTECH QUOTE NO.:

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CA Plan Consultants, Inc.

ADDRESS: 17 DUPONT STREET

CITY: PLAINVIEW STATE: NY ZIP: 11803

ATTENTION: MICHAEL YASER

PROJECT NO.: Utility Location

PROJECT NAME: Utility Manufacturing

PROJECT MANAGER: Eric Weintraub

E-MAIL:

PHONE: 516.576.8944 FAX: 516.576.2029

DATA TURNAROUND INFORMATION

FAX: _____

HARD COPY: _____

EDD: _____

* TO BE APPROVED BY CHEMTECH

** NORMAL TURNAROUND TIME - 14 DAYS

PROJECT INFORMATION

BILLING INFORMATION

BILL TO: CA Plan Consultants

ADDRESS: 17 DUPONT STREET

CITY: Plainview STATE: NY ZIP: 11803

ATTENTION: Michael Yaser

PHONE: 516.576.8944 FAX: 516.576.2029

ANALYSIS

DATA DELIVERABLE INFORMATION

RESULTS ONLY

RESULTS + QC

NJ REDUCED

NJ CLP

EDD FORMAT

USEPA CLP

NYS ASP "B"

NYS ASP "A"

EDD

PRESERVATIVES

COMMENTS

← Specified Preservatives
 A - HCl B - HNO₃
 C - H₂SO₄ D - NaOH
 E - ICE F - Other

A

OF BOTTLES

TIME

DATE

SAMPLE COLLECTION

SAMPLE TYPE

SAMPLE MATRIX

RECEIVED BY:

DATE/TIME:

RELEINQUISHED BY:

DATE/TIME:

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

CHEMTECH

SOP ID: P201-Data Review-03.doc

Revision #: 03

QA Control Code: A2040102

Revision Date: June 6, 2002

Effective Date: June 17, 2002

QA REVIEW GENERAL DOCUMENTATION

Project #: R 2910

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)

Check chain-of-custody for proper relinquish/return of samples

Is the chain of custody signed and complete

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

Collect information for each project id from server. Were all requirements followed

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page

Do lab numbers and client Ids on cover page agree with the Chain of Custody

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

Do requested analyses on Chain of Custody agree with the log-in page

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

Were the samples received within hold time

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

Non - Conformance/Comments:

1st Level QA Review Signature:

Martha Duncan Date: 4/6/03

2nd Level QA Review Signature:

W.H. Date: 4/11/03

CHEMTECH

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

**METHODOLOGY
REVIEW**

&

**LABORATORY
CHRONICLE**

CHEMTECH

Lab Chronicle

Order ID:	R2979	Order Date:	6/21/03 12:12:53 PM
Client:	Rich Consultants	Project:	utility
Contact:	Mike Yager		

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
R2979-01	MW-1	WATER	VOCGC Group 1	8021	6/18/03	6/18/03	6/24/03	6/20/03
R2979-02	MW-3	WATER	VOCGC Group 1	8021	6/18/03	6/18/03	6/25/03	6/20/03
R2979-03	MW-4	WATER	VOCGC Group 1	8021	6/18/03	6/18/03	6/25/03	6/20/03
R2979-04	MW-5	WATER	VOCGC Group 1	8021	6/18/03	6/18/03	6/25/03	6/20/03
R2979-05	MW-6	WATER	VOCGC Group 1	8021	6/18/03	6/18/03	6/25/03	6/20/03
R2979-06	MW-7S	WATER	VOCGC Group 1	8021	6/18/03	6/18/03	6/25/03	6/20/03
R2979-07	MW-7I	WATER	VOCGC Group 1	8021	6/18/03	6/18/03	6/25/03	6/20/03
R2979-08	MW-7D	WATER	VOCGC Group 1	8021	6/18/03	6/18/03	6/25/03	6/20/03

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900

**CONFORMANCE/
NON-
CONFORMANCE
SUMMARY**

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#:12013 : NEW YORK LAB ID#: 11376

GC VOA ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT LAB NUMBER: R2979 MATRIX: R2979-Wooden
METHOD: FID 8021 no 7063

YES NA NO

1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)

2. Standards Summary Submitted

3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD

4. Blank Contamination - If yes, list compounds and concentrations in each blank:

VOA Fraction _____

Other _____

5. Surrogate Recoveries Meet Criteria

If not met, list those compounds and their recoveries which fall outside the acceptable ranges

VOA Fraction _____

Other _____

6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria.

If not met, list those compounds and their recoveries which fall outside the acceptable range.

VOA

Fraction _____

Other _____

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 12013 : NEW YORK LAB ID#: 11376

GC VOA ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY(CONTINUED)

YES NA NO

7. Extraction Holding Time Met

If not met, list number of days exceeded for each sample:

8. Analysis Holding Time Met

If not met, list number of days exceeded for each sample:

Additional

Comments: _____

Preeti Margvekar
Analyst

6-30-03

Date

Martha Hanna
QA REVIEW

7/1/03

Date

TABULATED ANALYTICAL RESULTS

GC VOLATILE ORGANICS

Chemtech Consulting Group

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID: R2979-01

Client ID: MW-1

Date Collected: 6/18/03

Date Received: 6/20/03

Date Analyzed: 6/24/03

Matrix: WATER

File ID: U062416.RAW

Analytical Run ID: VA062403

Dilution: 1

Instrument ID: GCVOA1

Analytical Method: 8021

Associated Blank: VBA0624W2

■ Sample Wt/Wt: 5.0 Units: mL

Soil Extract Vol: 100

Soil Aliquot Vol:

% Moisture:

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGENTS						
Dichlorodifluoromethane	75-71-8	< 0.7	U	5.0	0.7	ug/L
Chloromethane	74-87-3	< 0.4	U	5.0	0.4	ug/L
Vinyl Chloride	75-01-4	< 0.7	U	5.0	0.7	ug/L
Bromomethane	74-83-9	< 0.1	U	5.0	0.1	ug/L
Chloroethane	75-00-3	< 0.4	U	5.0	0.4	ug/L
Trichlorofluoromethane	75-69-4	< 0.7	U	5.0	0.7	ug/L
22DCPRPA+Cl12DC		< 0.6	U	5.0	0.6	ug/L
,1-Dichloroethene	75-35-4	< 0.5	U	5.0	0.5	ug/L
Methylene Chloride	75-09-2	< 0.8	U	5.0	0.8	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.5	U	5.0	0.5	ug/L
,1-Dichloroethane	75-34-3	< 0.3	U	5.0	0.3	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Bromoform	74-97-5	< 0.6	U	5.0	0.6	ug/L
Chloroform	67-66-3	< 0.4	U	5.0	0.4	ug/L
T,1,1-Trichloroethane	71-55-6	< 0.4	U	5.0	0.4	ug/L
1,1-Dichloropropene	563-43-2	< 0.3	U	5.0	0.3	ug/L
2-Dichloroethane	107-06-2	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	79-01-6	< 0.4	U	5.0	0.4	ug/L
,2-Dichloropropane	78-87-5	< 0.4	U	5.0	0.4	ug/L
Dibromomethane	74-95-3	< 0.4	U	5.0	0.4	ug/L
Bromodichloromethane	75-27-4	< 0.6	U	5.0	0.6	ug/L
trans-1,3-dichloropropene	10061-02-6	< 0.2	U	5.0	0.2	ug/L
,-1,3-Dichloropropene	10061-01-5	< 0.3	U	5.0	0.3	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.6	U	5.0	0.6	ug/L
,3-Dichloropropane	142-28-9	< 0.2	U	5.0	0.2	ug/L
Bromochloromethane	124-48-1	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromoethane	106-93-4	< 0.8	U	5.0	0.8	ug/L
Trachloroethene	127-18-4	2.1	J	5.0	0.4	ug/L
Chlorobenzene	108-90-7	< 0.4	U	5.0	0.4	ug/L
1,1,1,2-Tetrachloroeth	630-20-6	< 0.6	U	5.0	0.6	ug/L
Chloroform	75-25-2	< 0.1	U	5.0	0.1	ug/L
,1,2,2-Tetrachloroeth	79-34-5	< 0.7	U	5.0	0.7	ug/L
1,2,3-Trichloropropane	96-18-4	< 0.7	U	5.0	0.7	ug/L
Bromobenzene	108-86-1	< 0.6	U	5.0	0.6	ug/L

Chemtech Consulting Group

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID: R2979-01

Client ID: MW-1

Date Collected: 6/18/03

Date Received: 6/20/03

Date Analyzed: 6/24/03

Matrix: WATER

File ID: U062416.RAW

Analytical Run ID: VA062403

Dilution: 1

Instrument ID: GCVOA1

Analytical Method: 8021

Associated Blank: VBA0624W2

■ Sample Wt/Wt: 5.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Chlorotoluene	95-49-8	< 0.5	U	5.0	0.5	ug/L
Chlorotoluene	106-43-4	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.8	U	5.0	0.8	ug/L
Hexachlorobutadiene	87-68-3	< 0.5	U	5.0	0.5	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.7	U	5.0	0.7	ug/L
URROGATES						
4 Dichlorobutane	75-25-2	25.861	86 %	40 - 160		SPK: 30
Bromochlorobenzene		15.218	51 %	40 - 160		SPK: 30

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID:	R2979-02	Client ID:	MW-3
Date Collected:	6/18/03	Date Received:	6/20/03
Date Analyzed:	6/25/03	Matrix:	WATER
File ID:	U062417.RAW	Analytical Run ID:	VA062403
Dilution:	1	Instrument ID:	GCVOA1
Analytical Method:	8021	Associated Blank:	VBA0624W2
Sample Wt/Wt:	5.0	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGENTS						
Dichlorodifluoromethane	75-71-8	< 0.7	U	5.0	0.7	ug/L
Chloromethane	74-87-3	< 0.4	U	5.0	0.4	ug/L
Vinyl Chloride	75-01-4	< 0.7	U	5.0	0.7	ug/L
Bromomethane	74-83-9	< 0.1	U	5.0	0.1	ug/L
Chloroethane	75-00-3	< 0.4	U	5.0	0.4	ug/L
Trichlorofluoromethane	75-69-4	< 0.7	U	5.0	0.7	ug/L
22DCPRPA+CI12DC		< 0.6	U	5.0	0.6	ug/L
,1-Dichloroethene	75-35-4	< 0.5	U	5.0	0.5	ug/L
Methylene Chloride	75-09-2	< 0.8	U	5.0	0.8	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.5	U	5.0	0.5	ug/L
,1-Dichloroethane	75-34-3	< 0.3	U	5.0	0.3	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Bromochloromethane	74-97-5	< 0.6	U	5.0	0.6	ug/L
Chloroform	67-66-3	< 0.4	U	5.0	0.4	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.4	U	5.0	0.4	ug/L
1,1-Dichloropropene	563-43-2	< 0.3	U	5.0	0.3	ug/L
2-Dichloroethane	107-06-2	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	79-01-6	< 0.4	U	5.0	0.4	ug/L
1,2-Dichloropropane	78-87-5	< 0.4	U	5.0	0.4	ug/L
Bromomethane	74-95-3	< 0.4	U	5.0	0.4	ug/L
Bromodichloromethane	75-27-4	< 0.6	U	5.0	0.6	ug/L
trans-1,3-dichloropropene	10061-02-6	< 0.2	U	5.0	0.2	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.3	U	5.0	0.3	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.6	U	5.0	0.6	ug/L
3-Dichloropropane	142-28-9	< 0.2	U	5.0	0.2	ug/L
Bromochloromethane	124-48-1	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromoethane	106-93-4	< 0.8	U	5.0	0.8	ug/L
Trachloroethene	127-18-4	8.8		5.0	0.4	ug/L
Chlorobenzene	108-90-7	< 0.4	U	5.0	0.4	ug/L
1,1,1,2-Tetrachloroeth	630-20-6	< 0.6	U	5.0	0.6	ug/L
1,1,2-Omoform	75-25-2	< 0.1	U	5.0	0.1	ug/L
1,1,2,2-Tetrachloroeth	79-34-5	< 0.7	U	5.0	0.7	ug L
1,2,3-Trichloropropane	96-18-4	< 0.7	U	5.0	0.7	ug/L
1,3-Omobenzene	108-86-1	< 0.6	U	5.0	0.6	ug/L

Chemtech Consulting Group

Volatiles

■ SDG No.: R2979
Client: Rich Consultants

■ Sample ID: R2979-02 Client ID: MW-3
Date Collected: 6/18/03 Date Received: 6/20/03
■ Date Analyzed: 6/25/03 Matrix: WATER
File ID: U062417.RAW Analytical Run ID: VA062403
Dilution: 1 Instrument ID: GCVOA1
Analytical Method: 8021 Associated Blank: VBA0624W2
■ Sample Wt/Wt: 5.0 Units: mL Soil Extract Vol: _____
Soil Aliquot Vol: _____ % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
-Chlorotoluene	95-49-8	< 0.5	U	5.0	0.5	ug/L
-Chlorotoluene	106-43-4	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.8	U	5.0	0.8	ug/L
Iexachlorobutadiene	87-68-3	< 0.5	U	5.0	0.5	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.7	U	5.0	0.7	ug/L
URROGATES						
4 Dichlorobutane	75-25-2	25.751	86 %	40 - 160		SPK: 30
Bromochlorobenzene		15.874	53 %	40 - 160		SPK: 30

Chemtech Consulting Group

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID: R2979-03

Client ID: MW-4

Date Collected: 6/18/03

Date Received: 6/20/03

Date Analyzed: 6/25/03

Matrix: WATER

File ID: U062418.RAW

Analytical Run ID: VA062403

Dilution: 1

Instrument ID: GCVOA1

Analytical Method: 8021

Associated Blank: VBA0624W2

■ Sample Wt/Wt: 5.0 Units: mL

Soil Extract Vol: 100

■ Soil Aliquot Vol:

% Moisture:

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
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■ TARGETS

Dichlorodifluoromethane	75-71-8	< 0.7	U	5.0	0.7	ug/L
Chloromethane	74-87-3	< 0.4	U	5.0	0.4	ug/L
Vinyl Chloride	75-01-4	< 0.7	U	5.0	0.7	ug/L
Bromomethane	74-83-9	< 0.1	U	5.0	0.1	ug/L
Chloroethane	75-00-3	< 0.4	U	5.0	0.4	ug/L
Trichlorofluoromethane	75-69-4	< 0.7	U	5.0	0.7	ug/L
22DCPRPA+CI12DC		4.5	J	5.0	0.6	ug/L
1,1-Dichloroethene	75-35-4	< 0.5	U	5.0	0.5	ug/L
Methylene Chloride	75-09-2	< 0.8	U	5.0	0.8	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.5	U	5.0	0.5	ug/L
1,1-Dichloroethane	75-34-3	< 0.3	U	5.0	0.3	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Bromochloromethane	74-97-5	< 0.6	U	5.0	0.6	ug/L
Chloroform	67-66-3	< 0.4	U	5.0	0.4	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.4	U	5.0	0.4	ug/L
1,1-Dichloropropene	563-43-2	< 0.3	U	5.0	0.3	ug/L
2-Dichloroethane	107-06-2	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	79-01-6	< 0.4	U	5.0	0.4	ug/L
1,2-Dichloropropane	78-87-5	< 0.4	U	5.0	0.4	ug/L
Dibromomethane	74-95-3	< 0.4	U	5.0	0.4	ug/L
Bromodichloromethane	75-27-4	< 0.6	U	5.0	0.6	ug/L
trans-1,3-dichloropropene	10061-02-6	< 0.2	U	5.0	0.2	ug/L
1,3-Dichloropropene	10061-01-5	< 0.3	U	5.0	0.3	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.6	U	5.0	0.6	ug/L
β-Dichloropropane	142-28-9	< 0.2	U	5.0	0.2	ug/L
1,2-Dibromoethane	124-48-1	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromoethane	106-93-4	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	127-18-4	2.9	J	5.0	0.4	ug/L
Chlorobenzene	108-90-7	< 0.4	U	5.0	0.4	ug/L
1,1,1,2-Tetrachloroeth	630-20-6	< 0.6	U	5.0	0.6	ug/L
Chloromform	75-25-2	< 0.1	U	5.0	0.1	ug/L
1,1,2,2-Tetrachloroeth	79-34-5	< 0.7	U	5.0	0.7	ug/L
1,2,3-Trichloropropane	96-18-4	< 0.7	U	5.0	0.7	ug/L
Chlorobenzene	108-86-1	< 0.6	U	5.0	0.6	ug/L

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID: R2979-03Client ID: MW-4Date Collected: 6/18/03Date Received: 6/20/03Date Analyzed: 6/25/03Matrix: WATERFile ID: U062418.RAWAnalytical Run ID: VA062403Dilution: 1Instrument ID: GCVOA1Analytical Method: 8021Associated Blank: VBA0624W2■ Sample Wt/Wt: 5.0 Units: mLSoil Extract Vol: 100Soil Aliquot Vol: % Moisture:

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Chlorotoluene	95-49-8	< 0.5	U	5.0	0.5	ug/L
Chlorotoluene	106-43-4	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.8	U	5.0	0.8	ug/L
Hexachlorobutadiene	87-68-3	< 0.5	U	5.0	0.5	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.7	U	5.0	0.7	ug/L
URROGATES						
4 Dichlorobutane	75-25-2	24.661	82 %	40 - 160	SPK: 30	
Bromochlorobenzene		16.712	56 %	40 - 160	SPK: 30	

Chemtech Consulting Group

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID: R2979-04

Client ID: MW-5

Date Collected: 6/18/03

Date Received: 6/20/03

Date Analyzed: 6/25/03

Matrix: WATER

File ID: U062419.RAW

Analytical Run ID: VA062403

Dilution: 1

Instrument ID: GCVOA1

Analytical Method: 8021

Associated Blank: VBA0624W2

■ Sample Wt/Wt: 5.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGENTS						
Dichlorodifluoromethane	75-71-8	< 0.7	U	5.0	0.7	ug/L
Chloromethane	74-87-3	< 0.4	U	5.0	0.4	ug/L
Methyl Chloride	75-01-4	< 0.7	U	5.0	0.7	ug/L
Bromomethane	74-83-9	< 0.1	U	5.0	0.1	ug/L
Chloroethane	75-00-3	< 0.4	U	5.0	0.4	ug/L
Trichlorofluoromethane	75-69-4	< 0.7	U	5.0	0.7	ug/L
22DCPRPA+CI12DC		< 0.6	U	5.0	0.6	ug/L
1,1-Dichloroethene	75-35-4	< 0.5	U	5.0	0.5	ug/L
Ethylene Chloride	75-09-2	< 0.8	U	5.0	0.8	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.5	U	5.0	0.5	ug/L
1-Dichloroethane	75-34-3	< 0.3	U	5.0	0.3	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Bromochloromethane	74-97-5	< 0.6	U	5.0	0.6	ug/L
Chloroform	67-66-3	< 0.4	U	5.0	0.4	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.4	U	5.0	0.4	ug/L
1,1-Dichloropropene	563-43-2	< 0.3	U	5.0	0.3	ug/L
2-Dichloroethane	107-06-2	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	79-01-6	< 0.4	U	5.0	0.4	ug/L
1,2-Dichloropropane	78-87-5	< 0.4	U	5.0	0.4	ug/L
Bromomethane	74-95-3	< 0.4	U	5.0	0.4	ug/L
Bromodichloromethane	75-27-4	< 0.6	U	5.0	0.6	ug/L
trans-1,3-dichloropropene	10061-02-6	< 0.2	U	5.0	0.2	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.3	U	5.0	0.3	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.6	U	5.0	0.6	ug/L
1,3-Dichloropropane	142-28-9	< 0.2	U	5.0	0.2	ug/L
bromochloromethane	124-48-1	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromoethane	106-93-4	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	127-18-4	< 0.4	U	5.0	0.4	ug/L
Chlorobenzene	108-90-7	< 0.4	U	5.0	0.4	ug/L
1,1,1,2-Tetrachloroeth	630-20-6	< 0.6	U	5.0	0.6	ug/L
Chloroform	75-25-2	< 0.1	U	5.0	0.1	ug/L
1,1,2,2-Tetrachloroeth	79-34-5	< 0.7	U	5.0	0.7	ug/L
1,2,3-Trichloropropane	96-18-4	< 0.7	U	5.0	0.7	ug/L
Ethynobenzene	108-86-1	< 0.6	U	5.0	0.6	ug/L

Chemtech Consulting Group

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID: R2979-04

Client ID: MW-5

Date Collected: 6/18/03

Date Received: 6/20/03

Matrix: WATER

Analytical Run ID: VA062403

Instrument ID: GCVOA1

Associated Blank: VBA0624W2

Soil Extract Vol:

% Moisture: 100

Soil Aliquot Vol:

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Chlorotoluene	95-49-8	< 0.5	U	5.0	0.5	ug/L
Chlorotoluene	106-43-4	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.8	U	5.0	0.8	ug/L
Hexachlorobutadiene	87-68-3	< 0.5	U	5.0	0.5	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.7	U	5.0	0.7	ug/L
URROGATES						
4 Dichlorobutane	75-25-2	23.818	79 %	40 - 160	SPK: 30	
Bromochlorobenzene		14.093	47 %	40 - 160	SPK: 30	

Chemtech Consulting Group

Volatiles

SDG No.: R2979

Client: Rich Consultants

Sample ID: R2979-05
 Date Collected: 6/18/03
 Date Analyzed: 6/25/03
 File ID: U062420.RAW
 Dilution: 1
 Analytical Method: 8021
 Sample Wt/Wt: 5.0 Units: mL
 Soil Aliquot Vol:

Client ID: MW-6
 Date Received: 6/20/03
 Matrix: WATER
 Analytical Run ID: VA062403
 Instrument ID: GCVOA1
 Associated Blank: VBA0624W2
 Soil Extract Vol:
 % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGENTS						
Dichlorodifluoromethane	75-71-8	< 0.7	U	5.0	0.7	ug/L
Chloromethane	74-87-3	< 0.4	U	5.0	0.4	ug/L
Methyl Chloride	75-01-4	< 0.7	U	5.0	0.7	ug/L
Bromomethane	74-83-9	< 0.1	U	5.0	0.1	ug/L
Chloroethane	75-00-3	< 0.4	U	5.0	0.4	ug/L
Trichlorofluoromethane	75-69-4	< 0.7	U	5.0	0.7	ug/L
22DCPRPA+CI12DC		< 0.6	U	5.0	0.6	ug/L
1,1-Dichloroethene	75-35-4	< 0.5	U	5.0	0.5	ug/L
ethylene Chloride	75-09-2	< 0.8	U	5.0	0.8	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.5	U	5.0	0.5	ug/L
1,1-Dichloroethane	75-34-3	< 0.3	U	5.0	0.3	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Bromochloromethane	74-97-5	< 0.6	U	5.0	0.6	ug/L
chloroform	67-66-3	< 0.4	U	5.0	0.4	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.4	U	5.0	0.4	ug/L
1,1-Dichloropropene	563-43-2	< 0.3	U	5.0	0.3	ug/L
2-Dichloroethane	107-06-2	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	79-01-6	< 0.4	U	5.0	0.4	ug/L
1,2-Dichloropropane	78-87-5	< 0.4	U	5.0	0.4	ug/L
bromomethane	74-95-3	< 0.4	U	5.0	0.4	ug/L
Bromodichloromethane	75-27-4	< 0.6	U	5.0	0.6	ug/L
trans-1,3-dichloropropene	10061-02-6	< 0.2	U	5.0	0.2	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.3	U	5.0	0.3	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.6	U	5.0	0.6	ug/L
1,2-Dichloropropane	142-28-9	< 0.2	U	5.0	0.2	ug/L
bromochloromethane	124-48-1	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromoethane	106-93-4	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	127-18-4	0.4	J	5.0	0.4	ug/L
Chlorobenzene	108-90-7	< 0.4	U	5.0	0.4	ug/L
1,1,1,2-Tetrachloroeth	630-20-6	< 0.6	U	5.0	0.6	ug/L
Chloroform	75-25-2	< 0.1	U	5.0	0.1	ug/L
1,1,2,2-Tetrachloroeth	79-34-5	< 0.7	U	5.0	0.7	ug/L
1,2,3-Trichloropropane	96-18-4	< 0.7	U	5.0	0.7	ug/L
Chlorobenzene	108-86-1	< 0.6	U	5.0	0.6	ug/L

Chemtech Consulting Group

Volatiles

SDG No.: R2979

Client: Rich Consultants

Sample ID:	R2979-05	Client ID:	MW-6
Date Collected:	6/18/03	Date Received:	6/20/03
Date Analyzed:	6/25/03	Matrix:	WATER
File ID:	U062420.RAW	Analytical Run ID:	VA062403
Dilution:	1	Instrument ID:	GCVOA1
Analytical Method:	8021	Associated Blank:	VBA0624W2
Sample Wt/Wt:	5.0	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Chlorotoluene	95-49-8	< 0.5	U	5.0	0.5	ug/L
1-Chlorotoluene	106-43-4	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.8	U	5.0	0.8	ug/L
1,3-Ehexachlorobutadiene	87-68-3	< 0.5	U	5.0	0.5	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.7	U	5.0	0.7	ug/L
URROGATES						
,4 Dichlorobutane	75-25-2	21.575	72 %	40 - 160		SPK: 30
Bromochlorobenzene		12.684	42 %	40 - 160		SPK: 30

Chemtech Consulting Group

Volatiles

SDG No.: R2979

Client: Rich Consultants

■ Sample ID: R2979-06
■ Date Collected: 6/18/03
■ Date Analyzed: 6/25/03
■ File ID: U062421.RAW
■ Dilution: 1
■ Analytical Method: 8021
■ Sample Wt/Wt: 5.0 Units: mL
■ Soil Aliquot Vol:

Client ID: MW-7S
Date Received: 6/20/03
Matrix: WATER
Analytical Run ID: VA062403
Instrument ID: GCVOA1
Associated Blank: VBA0624W2
Soil Extract Vol:
% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
 TARGETS						
Dichlorodifluoromethane	75-71-8	< 0.7	U	5.0	0.7	ug/L
Chloromethane	74-87-3	< 0.4	U	5.0	0.4	ug/L
Vinyl Chloride	75-01-4	< 0.7	U	5.0	0.7	ug/L
Bromomethane	74-83-9	< 0.1	U	5.0	0.1	ug/L
Chloroethane	75-00-3	< 0.4	U	5.0	0.4	ug/L
Trichlorofluoromethane	75-69-4	< 0.7	U	5.0	0.7	ug/L
22DCPRPA+CI12DC		< 0.6	U	5.0	0.6	ug/L
,1-Dichloroethene	75-35-4	< 0.5	U	5.0	0.5	ug/L
Methylene Chloride	75-09-2	< 0.8	U	5.0	0.8	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.5	U	5.0	0.5	ug/L
,1-Dichloroethane	75-34-3	< 0.3	U	5.0	0.3	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Bromoform	74-97-5	< 0.6	U	5.0	0.6	ug/L
Chloroform	67-66-3	< 0.4	U	5.0	0.4	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.4	U	5.0	0.4	ug/L
1,1-Dichloropropene	563-43-2	< 0.3	U	5.0	0.3	ug/L
2-Dichloroethane	107-06-2	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	79-01-6	< 0.4	U	5.0	0.4	ug/L
1,2-Dichloropropane	78-87-5	< 0.4	U	5.0	0.4	ug/L
Bromomethane	74-95-3	< 0.4	U	5.0	0.4	ug/L
Bromodichloromethane	75-27-4	< 0.6	U	5.0	0.6	ug/L
trans-1,3-dichloropropene	10061-02-6	< 0.2	U	5.0	0.2	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.3	U	5.0	0.3	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.6	U	5.0	0.6	ug/L
3-Dichloropropene	142-28-9	< 0.2	U	5.0	0.2	ug/L
Bromochloromethane	124-48-1	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromoethane	106-93-4	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	127-18-4	2.2	J	5.0	0.4	ug/L
Chlorobenzene	108-90-7	< 0.4	U	5.0	0.4	ug/L
1,1,1,2-Tetrachloroeth	630-20-6	< 0.6	U	5.0	0.6	ug/L
Chloroform	75-25-2	< 0.1	U	5.0	0.1	ug/L
1,1,2,2-Tetrachloroeth	79-34-5	< 0.7	U	5.0	0.7	ug/L
1,2,3-Trichloropropane	96-18-4	< 0.7	U	5.0	0.7	ug/L
Bromobenzene	108-86-1	< 0.6	U	5.0	0.6	ug/L

Chemtech Consulting Group

Volatiles

SDG No.: R2979

Client: Rich Consultants

Sample ID:	R2979-06	Client ID:	MW-7S
Date Collected:	6/18/03	Date Received:	6/20/03
Date Analyzed:	6/25/03	Matrix:	WATER
File ID:	U062421.RAW	Analytical Run ID:	VA062403
Dilution:	1	Instrument ID:	GCVOA1
Analytical Method:	8021	Associated Blank:	VBA0624W2
Sample Wt/Wt:	5.0	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
Chlorotoluene	95-49-8	< 0.5	U	5.0	0.5	ug/L
Chlorotoluene	106-43-4	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.8	U	5.0	0.8	ug/L
Hexachlorobutadiene	87-68-3	< 0.5	U	5.0	0.5	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.7	U	5.0	0.7	ug/L
URROGATES						
1,4 Dichlorobutane	75-25-2	23.877	80 %	40 - 160	SPK: 30	
Bromochlorobenzene		15.555	52 %	40 - 160	SPK: 30	

Chemtech Consulting Group

Volatiles

SDG No.: R2979

Client: Rich Consultants

Sample ID:	R2979-07	Client ID:	MW-7I
Date Collected:	6/18/03	Date Received:	6/20/03
Date Analyzed:	6/25/03	Matrix:	WATER
File ID:	U062422.RAW	Analytical Run ID:	VA062403
Dilution:	1	Instrument ID:	GCVOA1
Analytical Method:	8021	Associated Blank:	VBA0624W2
Sample Wt/Wt:	5.0	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGENTS						
Dichlorodifluoromethane	75-71-8	< 0.7	U	5.0	0.7	ug/L
Chloromethane	74-87-3	< 0.4	U	5.0	0.4	ug/L
Vinyl Chloride	75-01-4	< 0.7	U	5.0	0.7	ug/L
Bromomethane	74-83-9	< 0.1	U	5.0	0.1	ug/L
Chloroethane	75-00-3	< 0.4	U	5.0	0.4	ug/L
Trichlorofluoromethane	75-69-4	< 0.7	U	5.0	0.7	ug/L
22DCPRPA+CI12DC		< 0.6	U	5.0	0.6	ug/L
1,1-Dichloroethene	75-35-4	< 0.5	U	5.0	0.5	ug/L
ethylene Chloride	75-09-2	< 0.8	U	5.0	0.8	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.5	U	5.0	0.5	ug/L
1,1-Dichloroethane	75-34-3	< 0.3	U	5.0	0.3	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Bromoform	74-97-5	< 0.6	U	5.0	0.6	ug/L
chloroform	67-66-3	< 0.4	U	5.0	0.4	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.4	U	5.0	0.4	ug/L
1,1-Dichloropropene	563-43-2	< 0.3	U	5.0	0.3	ug/L
2-Dichloroethane	107-06-2	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	79-01-6	< 0.4	U	5.0	0.4	ug/L
1,2-Dichloropropane	78-87-5	< 0.4	U	5.0	0.4	ug/L
bromomethane	74-95-3	< 0.4	U	5.0	0.4	ug/L
Bromodichloromethane	75-27-4	< 0.6	U	5.0	0.6	ug/L
trans-1,3-dichloropropene	10061-02-6	< 0.2	U	5.0	0.2	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.3	U	5.0	0.3	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.6	U	5.0	0.6	ug/L
3-Dichloropropane	142-28-9	< 0.2	U	5.0	0.2	ug/L
bromochloromethane	124-48-1	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromoethane	106-93-4	< 0.8	U	5.0	0.8	ug/L
trachloroethene	127-18-4	< 0.4	U	5.0	0.4	ug/L
Chlorobenzene	108-90-7	< 0.4	U	5.0	0.4	ug/L
1,1,1,2-Tetrachloroeth	630-20-6	< 0.6	U	5.0	0.6	ug/L
romoform	75-25-2	< 0.1	U	5.0	0.1	ug/L
1,1,2,2-Tetrachloroeth	79-34-5	< 0.7	U	5.0	0.7	ug/L
1,2,3-Trichloropropane	96-18-4	< 0.7	U	5.0	0.7	ug/L
I bromobenzene	108-86-1	< 0.6	U	5.0	0.6	ug/L

Chemtech Consulting Group

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID:	R2979-07	Client ID:	MW-7I
Date Collected:	6/18/03	Date Received:	6/20/03
Date Analyzed:	6/25/03	Matrix:	WATER
File ID:	U062422.RAW	Analytical Run ID:	VA062403
Dilution:	.1	Instrument ID:	GCVOA1
Analytical Method:	8021	Associated Blank:	VBA0624W2
Sample Wt/Wt:	5.0	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
1-Chlorotoluene	95-49-8	< 0.5	U	5.0	0.5	ug/L
1-Chlorotoluene	106-43-4	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.8	U	5.0	0.8	ug/L
1,6hexachlorobutadiene	87-68-3	< 0.5	U	5.0	0.5	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.7	U	5.0	0.7	ug/L
URROGATES						
1,4 Dichlorobutane	75-25-2	28.412	95 %	40 - 160		SPK: 30
Bromochlorobenzene		17.489	58 %	40 - 160		SPK: 30

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID: R2979-08

Client ID: MW-7D

Date Collected: 6/18/03

Date Received: 6/20/03

Date Analyzed: 6/25/03

Matrix: WATER

File ID: U062423.RAW

Analytical Run ID: VA062403

Dilution: 1

Instrument ID: GCVOA1

Analytical Method: 8021

Associated Blank: VBA0624W2

■ Sample Wt/Wt: 5.0 Units: mL

Soil Extract Vol:

■ Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
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ARGENTS

Dichlorodifluoromethane	75-71-8	< 0.7	U	5.0	0.7	ug/L
Chloromethane	74-87-3	< 0.4	U	5.0	0.4	ug/L
Methyl Chloride	75-01-4	< 0.7	U	5.0	0.7	ug/L
Bromomethane	74-83-9	< 0.1	U	5.0	0.1	ug/L
Chloroethane	75-00-3	< 0.4	U	5.0	0.4	ug/L
Dichlorofluoromethane	75-69-4	< 0.7	U	5.0	0.7	ug/L
22DCPRPA+CI12DC		< 0.6	U	5.0	0.6	ug/L
1-Dichloroethene	75-35-4	< 0.5	U	5.0	0.5	ug/L
Ethylene Chloride	75-09-2	< 0.8	U	5.0	0.8	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.5	U	5.0	0.5	ug/L
1-Dichloroethane	75-34-3	< 0.3	U	5.0	0.3	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Bromochloromethane	74-97-5	< 0.6	U	5.0	0.6	ug/L
haloform	67-66-3	< 0.4	U	5.0	0.4	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.4	U	5.0	0.4	ug/L
1,1-Dichloropropene	563-43-2	< 0.3	U	5.0	0.3	ug/L
2-Dichloroethane	107-06-2	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	79-01-6	< 0.4	U	5.0	0.4	ug/L
1,2-Dichloropropane	78-87-5	< 0.4	U	5.0	0.4	ug/L
1-bromomethane	74-95-3	< 0.4	U	5.0	0.4	ug/L
Bromodichloromethane	75-27-4	< 0.6	U	5.0	0.6	ug/L
trans-1,3-dichloropropene	10061-02-6	< 0.2	U	5.0	0.2	ug/L
-1,3-Dichloropropene	10061-01-5	< 0.3	U	5.0	0.3	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.6	U	5.0	0.6	ug/L
1 -Dichloropropane	142-28-9	< 0.2	U	5.0	0.2	ug/L
Bromochloromethane	124-48-1	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromoethane	106-93-4	< 0.8	U	5.0	0.8	ug/L
1-chloroethene	127-18-4	< 0.4	U	5.0	0.4	ug/L
Chlorobenzene	108-90-7	< 0.4	U	5.0	0.4	ug/L
1,1,1,2-Tetrachloroeth	630-20-6	< 0.6	U	5.0	0.6	ug/L
Ethanoform	75-25-2	< 0.1	U	5.0	0.1	ug/L
1,1,2,2-Tetrachloroeth	79-34-5	< 0.7	U	5.0	0.7	ug/L
1,2,3-Trichloropropane	96-18-4	< 0.7	U	5.0	0.7	ug/L
Bromobenzene	108-86-1	< 0.6	U	5.0	0.6	ug/L

Chemtech Consulting Group

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID:	R2979-08	Client ID:	MW-7D
Date Collected:	6/18/03	Date Received:	6/20/03
Date Analyzed:	6/25/03	Matrix:	WATER
File ID:	U062423.RAW	Analytical Run ID:	VA062403
Dilution:	1	Instrument ID:	GCVOA1
Analytical Method:	8021	Associated Blank:	VBA0624W2
■ Sample Wt/Wt:	5.0	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
-Chlorotoluene	95-49-8	< 0.5	U	5.0	0.5	ug/L
-Chlorotoluene	106-43-4	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.8	U	5.0	0.8	ug/L
Hexachlorobutadiene	87-68-3	< 0.5	U	5.0	0.5	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.7	U	5.0	0.7	ug/L
URROGATES						
,4 Dichlorobutane	75-25-2	23.341	78 %	40 - 160		SPK: 30
Bromochlorobenzene		15.139	50 %	40 - 160		SPK: 30

CHEMTECH

QUALITY CONTROL SUMMARY REPORTS

GC VOLATILE ORGANICS

Chemtech Consulting Group**Surrogate Summary
SW-846**

SDG No.: R2979

Client: Rich Consultants

Analytical Method: EPA SW846 8021

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
BSB0626W1	LCS	1,4 Dichlorobutane	30	34.545	115		40.00	160.00
		Bromochlorobenzene	30	35.345	118		40.00	160.00
R2979-01	MW-1	1,4 Dichlorobutane	30	25.861	86		40.00	160.00
		Bromochlorobenzene	30	15.218	51		40.00	160.00
R2979-02	MW-3	1,4 Dichlorobutane	30	25.751	86		40.00	160.00
		Bromochlorobenzene	30	15.874	53		40.00	160.00
R2979-03	MW-4	1,4 Dichlorobutane	30	24.661	82		40.00	160.00
		Bromochlorobenzene	30	16.712	56		40.00	160.00
R2979-04	MW-5	1,4 Dichlorobutane	30	23.818	79		40.00	160.00
		Bromochlorobenzene	30	14.093	47		40.00	160.00
R2979-05	MW-6	1,4 Dichlorobutane	30	21.575	72		40.00	160.00
		Bromochlorobenzene	30	12.684	42		40.00	160.00
R2979-06	MW-7S	1,4 Dichlorobutane	30	23.877	80		40.00	160.00
		Bromochlorobenzene	30	15.555	52		40.00	160.00
R2979-07	MW-7I	1,4 Dichlorobutane	30	28.412	95		40.00	160.00
		Bromochlorobenzene	30	17.489	58		40.00	160.00
R2979-08	MW-7D	1,4 Dichlorobutane	30	23.341	78		40.00	160.00
		Bromochlorobenzene	30	15.139	50		40.00	160.00
R3020-02MS	R3020-02MS	1,4 Dichlorobutane	30	28.758	96		40.00	160.00
		Bromochlorobenzene	30	35.254	118		40.00	160.00
R3020-02MSD	R3020-02MSD	1,4 Dichlorobutane	30	29.42	98		40.00	160.00
		Bromochlorobenzene	30	34.993	117		40.00	160.00
BA0624W2	VBLK01	1,4 Dichlorobutane	30	24.994	83		40.00	160.00
		Bromochlorobenzene	30	17.069	57		40.00	160.00
VBA0626W1	VBLK02	1,4 Dichlorobutane	30	32.66	109		40.00	160.00
		Bromochlorobenzene	30	21.198	71		40.00	160.00

Chemtech Consulting Group

Volatiles

SDG No.: R2979

Client: Rich Consultants

Sample ID: VBA0624W2

Client ID: VBLK01

Date Collected: 6/24/03

Date Received:

Date Analyzed: 6/24/03

Matrix: WATER

File ID: U062415.RAW

Analytical Run ID: VA062403

Dilution: 1

Instrument ID: GCVOA1

Analytical Method: 8021

Associated Blank:

Sample Wt/Wt: 5.0 Units: mL

Soil Extract Vol:

Soil Aliquot Vol:

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Dichlorodifluoromethane	75-71-8	< 0.7	U	5.0	0.7	ug/L
Chloromethane	74-87-3	< 0.4	U	5.0	0.4	ug/L
Vinyl Chloride	75-01-4	< 0.7	U	5.0	0.7	ug/L
Bromomethane	74-83-9	< 0.1	U	5.0	0.1	ug/L
Chloroethane	75-00-3	< 0.4	U	5.0	0.4	ug/L
Trichlorofluoromethane	75-69-4	< 0.7	U	5.0	0.7	ug/L
22DCPRPA+CI12DC		< 0.6	U	5.0	0.6	ug/L
,1-Dichloroethene	75-35-4	< 0.5	U	5.0	0.5	ug/L
Methylene Chloride	75-09-2	< 0.8	U	5.0	0.8	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.5	U	5.0	0.5	ug/L
,1-Dichloroethane	75-34-3	< 0.3	U	5.0	0.3	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Bromochloromethane	74-97-5	< 0.6	U	5.0	0.6	ug/L
Chloroform	67-66-3	< 0.4	U	5.0	0.4	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.4	U	5.0	0.4	ug/L
1,1-Dichloropropene	563-43-2	< 0.3	U	5.0	0.3	ug/L
2-Dichloroethane	107-06-2	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	79-01-6	< 0.4	U	5.0	0.4	ug/L
1,2-Dichloropropane	78-87-5	< 0.4	U	5.0	0.4	ug/L
Bromomethane	74-95-3	< 0.4	U	5.0	0.4	ug/L
Bromodichloromethane	75-27-4	< 0.6	U	5.0	0.6	ug/L
trans-1,3-dichloropropene	10061-02-6	< 0.2	U	5.0	0.2	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.3	U	5.0	0.3	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.6	U	5.0	0.6	ug/L
3-Dichloropropane	142-28-9	< 0.2	U	5.0	0.2	ug/L
bromochloromethane	124-48-1	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromoethane	106-93-4	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	127-18-4	< 0.4	U	5.0	0.4	ug/L
Chlorobenzene	108-90-7	< 0.4	U	5.0	0.4	ug/L
1,1,1,2-Tetrachloroeth	630-20-6	< 0.6	U	5.0	0.6	ug/L
1,1,2,2-Tetrachloroeth	75-25-2	< 0.1	U	5.0	0.1	ug/L
1,2,2,2-Tetrachloroeth	79-34-5	< 0.7	U	5.0	0.7	ug/L
1,2,3-Trichloropropane	96-18-4	< 0.7	U	5.0	0.7	ug/L
1,3-Dibromobenzene	108-86-1	< 0.6	U	5.0	0.6	ug/L

Chemtech Consulting Group

Volatiles

■ SDG No.: R2979
Client: Rich Consultants

■ Sample ID: VBA0624W2 Client ID: VBLK01

Date Collected: _____ Date Received: _____
■ Date Analyzed: 6/24/03 Matrix: WATER
File ID: U062415.RAW Analytical Run ID: VA062403
Dilution: 1 Instrument ID: GCVOA1
Analytical Method: 8021 Associated Blank: _____
■ Sample Wt/Wt: 5.0 Units: mL Soil Extract Vol: _____
Soil Aliquot Vol: _____ % Moisture: 100 _____

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
-Chlorotoluene	95-49-8	< 0.5	U	5.0	0.5	ug/L
-Chlorotoluene	106-43-4	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.8	U	5.0	0.8	ug/L
hexachlorobutadiene	87-68-3	< 0.5	U	5.0	0.5	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.7	U	5.0	0.7	ug/L
URROGATES						
4 Dichlorobutane	75-25-2	24.994	83 %	40 - 160		SPK: 30
Bromochlorobenzene		17.069	57 %	40 - 160		SPK: 30

Chemtech Consulting Group

Volatiles

SDG No.: R2979

Client: Rich Consultants

Sample ID: VBA0626W1

Client ID: VBLK02

Date Collected:

Date Analyzed:

File ID:

Dilution:

Analytical Method:

Sample Wt/Wt:

Soil Aliquot Vol:

Date Received:

Matrix:

Analytical Run ID:

Instrument ID:

Associated Blank:

Soil Extract Vol:

% Moisture:

100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
ARGENTS						
Dichlorodifluoromethane	75-71-8	< 0.7	U	5.0	0.7	ug/L
Chloromethane	74-87-3	< 0.4	U	5.0	0.4	ug/L
Vinyl Chloride	75-01-4	< 0.7	U	5.0	0.7	ug/L
Bromomethane	74-83-9	< 0.1	U	5.0	0.1	ug/L
Chloroethane	75-00-3	< 0.4	U	5.0	0.4	ug/L
Trichlorofluoromethane	75-69-4	< 0.7	U	5.0	0.7	ug/L
22DCPRPA+CI12DC		< 0.6	U	5.0	0.6	ug/L
,1-Dichloroethene	75-35-4	< 0.5	U	5.0	0.5	ug/L
Methylene Chloride	75-09-2	< 0.8	U	5.0	0.8	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.5	U	5.0	0.5	ug/L
1,1-Dichloroethane	75-34-3	< 0.3	U	5.0	0.3	ug/L
Carbon Tetrachloride	56-23-5	< 0.5	U	5.0	0.5	ug/L
Bromochloromethane	74-97-5	< 0.6	U	5.0	0.6	ug/L
Chloroform	67-66-3	< 0.4	U	5.0	0.4	ug/L
T,1,1-Trichloroethane	71-55-6	< 0.4	U	5.0	0.4	ug/L
1,1-Dichloropropene	563-43-2	< 0.3	U	5.0	0.3	ug/L
2-Dichloroethane	107-06-2	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	79-01-6	< 0.4	U	5.0	0.4	ug/L
1,2-Dichloropropane	78-87-5	< 0.4	U	5.0	0.4	ug/L
Dibromomethane	74-95-3	< 0.4	U	5.0	0.4	ug/L
Bromodichloromethane	75-27-4	< 0.6	U	5.0	0.6	ug/L
trans-1,3-dichloropropene	10061-02-6	< 0.2	U	5.0	0.2	ug/L
1,3-Dichloropropene	10061-01-5	< 0.3	U	5.0	0.3	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.6	U	5.0	0.6	ug/L
3-Dichloropropene	142-28-9	< 0.2	U	5.0	0.2	ug/L
Bromochloromethane	124-48-1	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromoethane	106-93-4	< 0.8	U	5.0	0.8	ug/L
Trichloroethene	127-18-4	< 0.4	U	5.0	0.4	ug/L
Chlorobenzene	108-90-7	< 0.4	U	5.0	0.4	ug/L
1,1,1,2-Tetrachloroeth	630-20-6	< 0.6	U	5.0	0.6	ug/L
Chloroform	75-25-2	< 0.1	U	5.0	0.1	ug/L
1,1,2,2-Tetrachloroeth	79-34-5	< 0.7	U	5.0	0.7	ug/L
1,2,3-Trichloropropane	96-18-4	< 0.7	U	5.0	0.7	ug/L
Chlorobenzene	108-86-1	< 0.6	U	5.0	0.6	ug/L

Chemtech Consulting Group

Volatiles

■ SDG No.: R2979

Client: Rich Consultants

■ Sample ID: VBA0626W1

Client ID: VBLK02

Date Collected:

■ Date Analyzed: 6/26/03

File ID: U062604.RAW

Dilution: 1

Analytical Method: 8021

■ Sample Wt/Wt: 5.0 Units: mL

Soil Aliquot Vol: _____

Date Received:

Matrix: WATER

Analytical Run ID: VA062403

Instrument ID: GCVOA1

Associated Blank: _____

Soil Extract Vol: _____

% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
p-Chlorotoluene	95-49-8	< 0.5	U	5.0	0.5	ug/L
m-Chlorotoluene	106-43-4	< 0.9	U	5.0	0.9	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.8	U	5.0	0.8	ug/L
1,exachlorobutadiene	87-68-3	< 0.5	U	5.0	0.5	ug/L
1,2,3-Trichlorobenzene	87-61-6	< 0.7	U	5.0	0.7	ug/L
URROGATES						
,4 Dichlorobutane	75-25-2	32.66	109 %	40 - 160		SPK: 30
Bromochlorobenzene		21.198	71 %	40 - 160		SPK: 30

Chemtech Consulting Group

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: R2979

Client: Rich Consultants

Analytical Method: EPA SW846 8021

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Low	Limits High	RPD
Client Sample ID: R3020-02MS										
R3020-02MS	Dichlorodifluoromethane	50	0.0	46	92			50	150	
	Chloromethane	50	0.0	49	98			50	150	
	Vinyl Chloride	50	0.0	50	100			50	150	
	Bromomethane	50	0.0	52	104			50	150	
	Chloroethane	50	0.0	55	110			50	150	
	Trichlorofluoromethane	50	0.0	48	96			50	150	
	22DCPRPA+CI12DC	100	0.0	110	110			50	150	
	1,1-Dichloroethene	50	0.0	56	112			50	150	
	Methylene Chloride	50	0.0	52	104			50	150	
	trans-1,2-Dichloroethene	50	0.0	56	112			50	150	
	1,1-Dichloroethane	50	0.0	61	122			50	150	
	Carbon Tetrachloride	50	0.0	55	110			50	150	
	Bromochloromethane	50	0.0	55	110			50	150	
	Chloroform	50	0.0	55	110			50	150	
	1,1,1-Trichloroethane	50	0.0	56	112			50	150	
	1,1-Dichloropropene	50	0.0	58	116			50	150	
	1,2-Dichloroethane	50	0.0	56	112			50	150	
	Trichloroethene	50	0.0	59	118			50	150	
	1,2-Dichloropropane	50	0.0	59	118			50	150	
	Dibromomethane	50	0.0	62	124			50	150	
	Bromodichloromethane	50	0.0	60	120			50	150	
	Trans-1,3-dichloropropene	50	0.0	60	120			50	150	
	cis-1,3-Dichloropropene	50	0.0	57	114			50	150	
	1,1,2-Trichloroethane	50	0.0	54	108			50	150	
	1,3-Dichloropropane	50	0.0	63	126			50	150	
	Dibromochloromethane	50	0.0	56	112			50	150	
	1,2-Dibromoethane	50	0.0	57	114			50	150	
	Tetrachloroethene	50	0.0	52	104			50	150	
	Chlorobenzene	50	0.0	55	110			50	150	
	1,1,1,2-Tetrachloroeth	50	0.0	57	114			50	150	
	Bromoform	50	0.0	55	110			50	150	
	1,1,2,2-Tetrachloroeth	50	0.0	45	90			50	150	
	1,2,3-Trichloropropane	50	0.0	50	100			50	150	
	Bromobenzene	50	0.0	47	94			50	150	
	2-Chlorotoluene	50	0.0	57	114			50	150	
	4-Chlorotoluene	50	0.0	47	94			50	150	
	1,2-Dibromo-3-Chloropropane	50	0.0	63	126			50	150	
	Hexachlorobutadiene	50	0.0	57	114			50	150	
	1,2,3-Trichlorobenzene	50	0.0	54	108			50	150	

Chemtech Consulting Group

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: R2979

Client: Rich Consultants

Analytical Method: EPA SW846 8021

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits		
								Low	High	RPD
Client Sample ID: R3020-02MSD										
R3020-02MSD	Dichlorodifluoromethane	50	0.0	47	94	4		50	150	20
	Chloromethane	50	0.0	49	98	0		50	150	20
	Vinyl Chloride	50	0.0	44	88	13		50	150	20
	Bromomethane	50	0.0	52	104	0		50	150	20
	Chloroethane	50	0.0	52	104	6		50	150	20
	Trichlorofluoromethane	50	0.0	49	98	2		50	150	20
	22DCPRPA+CI12DC	100	0.0	110	110	0		50	150	20
	1,1-Dichloroethene	50	0.0	55	110	2		50	150	20
	Methylene Chloride	50	0.0	51	102	2		50	150	20
	trans-1,2-Dichloroethene	50	0.0	53	106	6		50	150	20
	1,1-Dichloroethane	50	0.0	56	112	9		50	150	20
	Carbon Tetrachloride	50	0.0	51	102	8		50	150	20
	Bromochloromethane	50	0.0	54	108	2		50	150	20
	Chloroform	50	0.0	54	108	2		50	150	20
	1,1,1-Trichloroethane	50	0.0	53	106	6		50	150	20
	1,1-Dichloropropene	50	0.0	55	110	5		50	150	20
	1,2-Dichloroethane	50	0.0	54	108	4		50	150	20
	Trichloroethene	50	0.0	55	110	7		50	150	20
	1,2-Dichloropropane	50	0.0	55	110	7		50	150	20
	Dibromomethane	50	0.0	56	112	10		50	150	20
	Bromodichloromethane	50	0.0	57	114	5		50	150	20
	Trans-1,3-dichloropropene	50	0.0	56	112	7		50	150	20
	cis-1,3-Dichloropropene	50	0.0	52	104	9		50	150	20
	1,1,2-Trichloroethane	50	0.0	53	106	2		50	150	20
	1,3-Dichloropropane	50	0.0	60	120	5		50	150	20
	Dibromochloromethane	50	0.0	53	106	6		50	150	20
	1,2-Dibromoethane	50	0.0	54	108	5		50	150	20
	Tetrachloroethene	50	0.0	47	94	10		50	150	20
	Chlorobenzene	50	0.0	54	108	2		50	150	20
	1,1,1,2-Tetrachloroeth	50	0.0	54	108	5		50	150	20
	Bromoform	50	0.0	55	110	0		50	150	20
	1,1,2,2 Tetrachloroeth	50	0.0	45	90	0		50	150	20
	1,2,3-Trichloropropane	50	0.0	51	102	2		50	150	20
	Bromobenzene	50	0.0	46	92	2		50	150	20
	2-Chlorotoluene	50	0.0	55	110	4		50	150	20
	4-Chlorotoluene	50	0.0	45	90	4		50	150	20
	1,2-Dibromo-3-Chloropropane	50	0.0	59	118	7		50	150	20
	Hexachlorobutadiene	50	0.0	48	96	17		50	150	20
	1,2,3-Trichlorobenzene	50	0.0	50	100	8		50	150	20

Chemtech Consulting Group

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary SW-846

IDG No.: R2979

Client: Rich Consultants

Analytical Method: EPA SW846 8021

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Low	Limits
							High	RPD
SB0626W1	Dichlorodifluoromethane	50	55	110			50	150
	Chloromethane	50	53	106			50	150
	Vinyl Chloride	50	54	108			50	150
	Bromomethane	50	59	118			50	150
	Chloroethane	50	59	118			50	150
	Trichlorofluoromethane	50	53	106			50	150
	22DCPRPA+CI12DC	100	110	110			50	150
	1,1-Dichloroethene	50	59	118			50	150
	Methylene Chloride	50	54	108			50	150
	trans-1,2-Dichloroethene	50	57	114			50	150
	1,1-Dichloroethane	50	60	120			50	150
	Carbon Tetrachloride	50	55	110			50	150
	Bromochloromethane	50	55	110			50	150
	Chloroform	50	56	112			50	150
	1,1,1-Trichloroethane	50	57	114			50	150
	1,1-Dichloropropene	50	58	116			50	150
	1,2-Dichloroethane	50	55	110			50	150
	Trichloroethene	50	57	114			50	150
	1,2-Dichloropropane	50	56	112			50	150
	Dibromomethane	50	57	114			50	150
	Bromodichloromethane	50	56	112			50	150
	Trans-1,3-dichloropropene	50	58	116			50	150
	cis-1,3-Dichloropropene	50	55	110			50	150
	1,1,2-Trichloroethane	50	56	112			50	150
	1,3-Dichloropropane	50	62	124			50	150
	Dibromochloromethane	50	57	114			50	150
	1,2-Dibromoethane	50	56	112			50	150
	Tetrachloroethene	50	50	100			50	150
	Chlorobenzene	50	61	122			50	150
	1,1,1,2-Tetrachloroeth	50	57	114			50	150
	Bromoform	50	60	120			50	150
	1,1,2,2-Tetrachloroeth	50	51	102			50	150
	1,2,3-Trichloropropane	50	57	114			50	150
	Bromobenzene	50	53	106			50	150
	2-Chlorotoluene	50	65	130			50	150
	4-Chlorotoluene	50	49	98			50	150
	1,2-Dibromo-3-Chloropropane	50	64	128			50	150
	Hexachlorobutadiene	50	54	108			50	150
	1,2,3-Trichlorobenzene	50	51	102			50	150

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END OF ANALYTICAL RESULTS