

771 Brooksedge Plaza Drive, Westerville, Ohio 43081 (614) 882-3136

February 17, 1993

Mr. Gregory P. Sutton, P.E.  
New York State Department of Environmental  
Conservation  
270 Michigan Avenue  
Buffalo, New York 14203

RE: On-Site Interceptor Well Discharge Monitoring Summary, Signore, Inc., Ellicottville,  
New York - NYSDEC Project No. 905023

Dear Mr. Sutton:

This letter presents a summary of the analytical results from the sampling of the influent and effluent discharge (before and after treatment) from the On-Site Interceptor Well (OSIW) at the Signore, Inc. Facility in Ellicottville, New York for the period from February 17, 1992 through October 2, 1992.

The OSIW was installed along the downgradient boundary of the Signore Facility as part of the Remedial Investigation/Feasibility Study Project conducted by Signore. The design of the interceptor well, packed column air stripping tower and associated pumping and discharge system is described in the July 27, 1991 Plans and Specifications for the On-Site Interceptor Well System, prepared by Hydro Group, Inc. for Lozier/Ground Water Associates. The technical basis for the On-Site Interceptor Well system is presented in the May 3, 1991 Basis of Design Report prepared by Lozier/Ground Water Associates.

The purpose of the OSIW is to capture off-site migration of ground water contamination from the Signore Facility. As stated in the Basis of Design Report, a number of volatile organic compounds (VOCs) were detected in ground water samples from monitoring wells at the Signore Facility. However, only trichloroethene (TCE), 1,1,1-trichloroethane (TCA), 1,1-dichloroethane (DCA), 1,2-dichloroethene (DCE) were detected at concentrations above the New York State Department of Health maximum contaminant level (MCL) of 5 micrograms per liter ( $\mu\text{g/l}$ ). The highest VOC concentrations measured in any ground water sample from the Signore Facility are presented below.

TCE	=	180 $\mu\text{g/l}$
TCA	=	160 $\mu\text{g/l}$
DCA	=	100 $\mu\text{g/l}$
DCE	=	80 $\mu\text{g/l}$

The New York State Department of Environmental Conservation (NYSDEC) requested that a monitoring plan be developed to measure the concentrations of various VOCs and metals in the OSIW discharge, which is conveyed, after treatment, to Plum Creek, a tributary stream to Great Valley Creek. The NYSDEC surface water discharge limitations for the organics and metals are listed below.

Chloroethane	170 $\mu\text{g/l}$
1,1-Dichloroethane	30 $\mu\text{g/l}$
trans-1,2-Dichloroethene	30 $\mu\text{g/l}$
Tetrachloroethene	40 $\mu\text{g/l}$
1,1,1-Trichloroethane	20 $\mu\text{g/l}$
Trichloroethene	11 $\mu\text{g/l}$
Vinyl Chloride	50 $\mu\text{g/l}$
Dissolved Aluminum	100 $\mu\text{g/l}$
Total Chromium	180 $\mu\text{g/l}$
Total Copper	10 $\mu\text{g/l}$
Total Iron	300 $\mu\text{g/l}$
Total Lead	3 $\mu\text{g/l}$
Total Manganese	4,800 $\mu\text{g/l}$
Total Nickel	86 $\mu\text{g/l}$
Total Zinc	None

In addition to monitoring the OSIW effluent discharge after treatment through the air stripping tower, the NYSDEC also requested that the plan include measuring the concentrations of various VOCs in the ground water recovered from the OSIW before treatment; i.e. the influent discharge.

The approved monitoring plan was submitted to the NYSDEC on January 30, 1992. The plan outlined the frequency for the first six months of sampling; two sampling rounds per month were to be collected for analyses of TCE, TCA and tetrachloroethene and one sampling round per month was to be collected for analyses of the other volatiles and metals listed above. Each sampling round consists of an influent (before treatment) discharge sample and an effluent (after treatment) discharge sample.

The first discharge samples from the OSIW were collected on February 17, 1992, at the beginning of the aquifer test, which was run to evaluate the performance of the system. Influent and effluent discharge samples were collected by Ground Water Associates and shipped to Recra Environmental, Inc. in Amherst, New York for analysis of the full suite of VOCs under USEPA Method 524.2. After completion of the aquifer test, the OSIW was set to pump at an operational rate of 225 gallons per minute (gpm). Continuous operation of the OSIW system began in late March 1992, after problems with the high and low-level control switches were solved. After startup, a total of eleven influent and effluent samples were collected from the OSIW discharge over a six-month period from April 2, 1992 to October 2, 1992. The samples were collected by Signore; the influent samples were collected from a sample tap in the discharge line before the air stripper and the discharge samples were collected from the pipe at the discharge point to Plum Creek. All these samples were shipped to General Testing Corporation in Rochester, New York for analyses; the volatile organics were analyzed by USEPA Method 8240 with modified low-level detection limit and the metals were analyzed by the USEPA 200-series methods. The laboratory reports for the twelve total sample rounds are presented in Attachment B; the Recra report for the first round and the General Testing reports for the remaining eleven rounds.

A summary of the discharge sampling analytical results is presented in Table 1, with the concentrations expressed in micrograms per liter ( $\mu\text{g/l}$ ). As shown, the influent and effluent samples for the first sampling round, collected during the aquifer test, were analyzed for the full list of VOCs. Of the remaining eleven sampling rounds, samples from six of the rounds were analyzed for the full list of VOCs in the influent samples and the full list of VOCs and metals in the effluent samples and samples from five of the sampling rounds were analyzed for only TCE, TCA and tetrachloroethene (PCE) in the influent and effluent samples.

Graphical plots of concentration versus time for each of the VOCs and metals constituents analyzed are presented in Attachment A. The graphs show the influent and effluent sample results for the VOCs and the effluent sample results for the metals. Also shown on these graphs are the NYSDEC MCLs (plotted as "Ground Water Limit") for the VOCs and the NYSDEC discharge limits to Plum Creek (plotted as "Surface Water Discharge Limits") for the VOCs and the metals.

As shown in Table 1 and on the graphs in Attachment A, none of the seven VOCs analyzed in the OSIW monitoring were detected above MCLs in the effluent samples and only TCE, TCA and PCE were detected above MCLs in the influent samples. A graph of the influent sample concentrations for these three constituents is presented in Figure 1, showing a downward trend in the concentrations of these constituents. A discussion of the results for each of the seven VOC constituents is presented below.

- Chloroethane was not detected in any of the seven influent or effluent samples.
- 1,1-dichloroethane was detected in six of the seven influent samples, at concentrations ranging from 0.80 to 5.0  $\mu\text{g}/\text{l}$ , and was not detected in any of the seven effluent samples.
- Trans-1,2-dichloroethene was detected in only one of the seven influent samples, at a concentration of 4.0  $\mu\text{g}/\text{l}$ , and was not detected in any of the seven effluent samples.
- Tetrachloroethene was detected in all twelve influent samples, at concentrations ranging from 3.0 to 9.0  $\mu\text{g}/\text{l}$ , and was not detected in any of the twelve effluent samples. As shown on Figure 1, the influent concentrations have been consistently between 4 and 5  $\mu\text{g}/\text{l}$ , with only two of the samples above the 5  $\mu\text{g}/\text{l}$  MCL.
- 1,1,1-trichloroethane was detected in all twelve influent samples, at concentrations ranging from 8.4 to 48  $\mu\text{g}/\text{l}$ , and was detected in the first three of the twelve discharge samples, at concentrations ranging from 0.40 to 0.77  $\mu\text{g}/\text{l}$ . As shown on Figure 1, the influent concentrations show a decreasing trend for the first five samples and then has been consistently between 8 and 10  $\mu\text{g}/\text{l}$ . All the influent samples have been above the 5  $\mu\text{g}/\text{l}$  MCL.
- Trichloroethene was detected in all twelve influent samples, at concentrations ranging from 13 to 55  $\mu\text{g}/\text{l}$ , and was detected in five of the twelve discharge samples, at concentrations ranging from 0.6 to 1.4  $\mu\text{g}/\text{l}$ . As shown on Figure 1, the influent concentrations show a decreasing trend through all twelve sampling rounds. All the influent samples have been above the 5  $\mu\text{g}/\text{l}$  MCL.
- Vinyl chloride was not detected in any of the seven influent or effluent samples.

As shown in Table 1 and on the graphs in Attachment A, only total chromium, total iron and total zinc of the eight metals analyzed in the OSIW monitoring were detected in the effluent samples. Of these three metals, only the first samples for total chromium and total iron were above the surface water discharge limit. A discussion of the results for each of the eight metals constituents is presented below.

- Dissolved aluminum was not detected in any of the six effluent samples.
- Total chromium was only detected in the first of the six effluent samples, at a concentration of 316  $\mu\text{g/l}$ , above the surface water discharge limit of 180  $\mu\text{g/l}$ .
- Total copper was not detected in any of the six effluent samples.
- Total iron was detected in two of the six effluent samples, at concentrations of 68 and 946  $\mu\text{g/l}$ . Only the first sample (at 946  $\mu\text{g/l}$ ) was above the surface water discharge limit of 300  $\mu\text{g/l}$ .
- Total lead was not detected in any of the six effluent samples.
- Total manganese was not detected in any of the six effluent samples.
- Total nickel was not detected in any of the six effluent samples.
- Total zinc was only detected in the last of the six effluent samples, at a concentration of 18.6  $\mu\text{g}$ . There is no surface water discharge limit for zinc.

The initial twelve influent and effluent samples collected from the OSIW discharge provide a satisfactory baseline to compare future sampling with. As stated above, only three of the eight metals were detected in the six effluent samples and of those, total chromium and zinc were only detected once and total iron was detected twice. Also, of the seven VOCs analyzed, only TCE and TCA were detected in the effluent samples and these were well below MCLs and surface water discharge limits. Additionally, only TCE and TCA were consistently above MCLs in the influent samples and even these constituents showed sharp decreases from concentrations in the initial samples. Therefore, TCE and TCA are the VOC constituents of concern. The approved remedial actions monitoring plan calls for quarterly sampling of the influent and effluent discharge for TCE and TCA, semi-annual sampling of the influent discharge for the seven VOCs and semi-annual sampling of the effluent discharge for the seven VOCs and the eight metals. This sampling program began with collection of OSIW influent and effluent samples on December 15, 1992.

⇒ NO it doesn't (see page 10)

NOT UNTIL DEC APPROVES

Tullon w/

J Schick notified must continue  
until DEC approves.

Mr. Gregory P. Sutton, P.E.  
NYSDEC  
Buffalo, New York

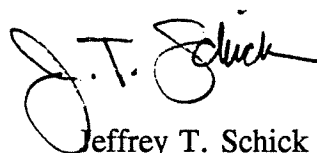
Page Six

February 17, 1993

If you have any questions or comments regarding this transmittal, please call.

Sincerely,

GROUND WATER ASSOCIATES, INC.



Jeffrey T. Schick  
Project Manager

JTS:ms  
Attachments A & B

cc: Mr. Gary Beck - Cattaraugus County Dept. of Health  
Mr. Cameron O'Connor - NYSDOH  
Mr. James Fitzpatrick - Signore, Inc.

TABLE 1  
DISCHARGE SAMPLING RESULTS  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK

	Discharge Limit	02/17/92		04/02/92		04/15/92	
		Influent	Effluent	Influent	Effluent	Influent	Effluent
-----							
Volatile Organics (ug/l)							
-----							
Chloroethane	170	ND	ND	--	--	ND	ND
1,1-Dichloroethane	30	5.00	ND	--	--	ND	ND
trans-1,2-Dichloroethene	30	4.00	ND	--	--	ND	ND
Tetrachloroethene	40	4.00	ND	3.00	ND	9.00	ND
1,1,1-Trichloroethane	20	48.00	0.40	16.00	0.55	47.00	0.77
Trichloroethene	11	55.00	0.70	24.00	1.10	54.00	1.40
Vinyl Chloride	50	ND	ND	--	--	ND	ND
Metals (ug/l)							
-----							
Aluminum, soluble	100	--	--	--	--	--	ND
Chromium, total	180	--	--	--	--	--	316.0
Copper, total	10	--	--	--	--	--	ND
Iron, total	300	--	--	--	--	--	946.0
Lead, total	3	--	--	--	--	--	ND
Manganese, total	4,800	--	--	--	--	--	ND
Nickel, total	86	--	--	--	--	--	ND
Zinc, total	--	--	--	--	--	--	ND

Notes: -- indicates not analyzed for this constituent  
 ND indicates constituent not detected

TABLE 1  
DISCHARGE SAMPLING RESULTS  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK

	Discharge Limit	05/04/92		06/01/92		06/15/92	
		Influent	Effluent	Influent	Effluent	Influent	Effluent
<b>-----</b>							
<b>Volatile Organics (ug/l)</b>							
<b>-----</b>							
Chloroethane	170	--	--	--	--	ND	ND
1,1-Dichloroethane	30	--	--	--	--	1.20	ND
trans-1,2-Dichloroethene	30	--	--	--	--	ND	ND
Tetrachloroethene	40	4.50	ND	4.20	ND	3.90	ND
1,1,1-Trichloroethane	20	18.00	ND	9.20	ND	9.90	ND
Trichloroethene	11	27.00	ND	19.00	ND	18.00	ND
Vinyl Chloride	50	--	--	--	--	ND	ND
<b>Metals (ug/l)</b>							
<b>-----</b>							
Aluminum, soluble	100	--	--	--	--	--	ND
Chromium, total	180	--	--	--	--	--	ND
Copper, total	10	--	--	--	--	--	ND
Iron, total	300	--	--	--	--	--	ND
Lead, total	3	--	--	--	--	--	ND
Manganese, total	4,800	--	--	--	--	--	ND
Nickel, total	86	--	--	--	--	--	ND
Zinc, total	--	--	--	--	--	--	ND

Notes: -- indicates not analyzed for this constituent  
 ND indicates constituent not detected



TABLE 1  
DISCHARGE SAMPLING RESULTS  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK

	Discharge Limit	07/17/92		08/03/92		08/21/92	
		Influent	Effluent	Influent	Effluent	Influent	Effluent
<b>-----</b>							
<b>Volatile Organics (ug/l)</b>							
<b>-----</b>							
Chloroethane	170	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	30	1.20	ND	0.93	ND	2.00	ND
trans-1,2-Dichloroethene	30	ND	ND	ND	ND	ND	ND
Tetrachloroethene	40	3.70	ND	3.90	ND	5.60	ND
1,1,1-Trichloroethane	20	11.00	ND	8.40	ND	11.00	ND
Trichloroethene	11	17.00	0.60	14.00	0.60	17.00	ND
Vinyl Chloride	50	ND	ND	ND	ND	ND	ND
<b>Metals (ug/l)</b>							
<b>-----</b>							
Aluminum, soluble	100	--	ND	--	ND	--	ND
Chromium, total	180	--	ND	--	ND	--	ND
Copper, total	10	--	ND	--	ND	--	ND
Iron, total	300	--	68.0	--	ND	--	ND
Lead, total	3	--	ND	--	ND	--	ND
Manganese, total	4,800	--	ND	--	ND	--	ND
Nickel, total	86	--	ND	--	ND	--	ND
Zinc, total	--	--	ND	--	ND	--	ND

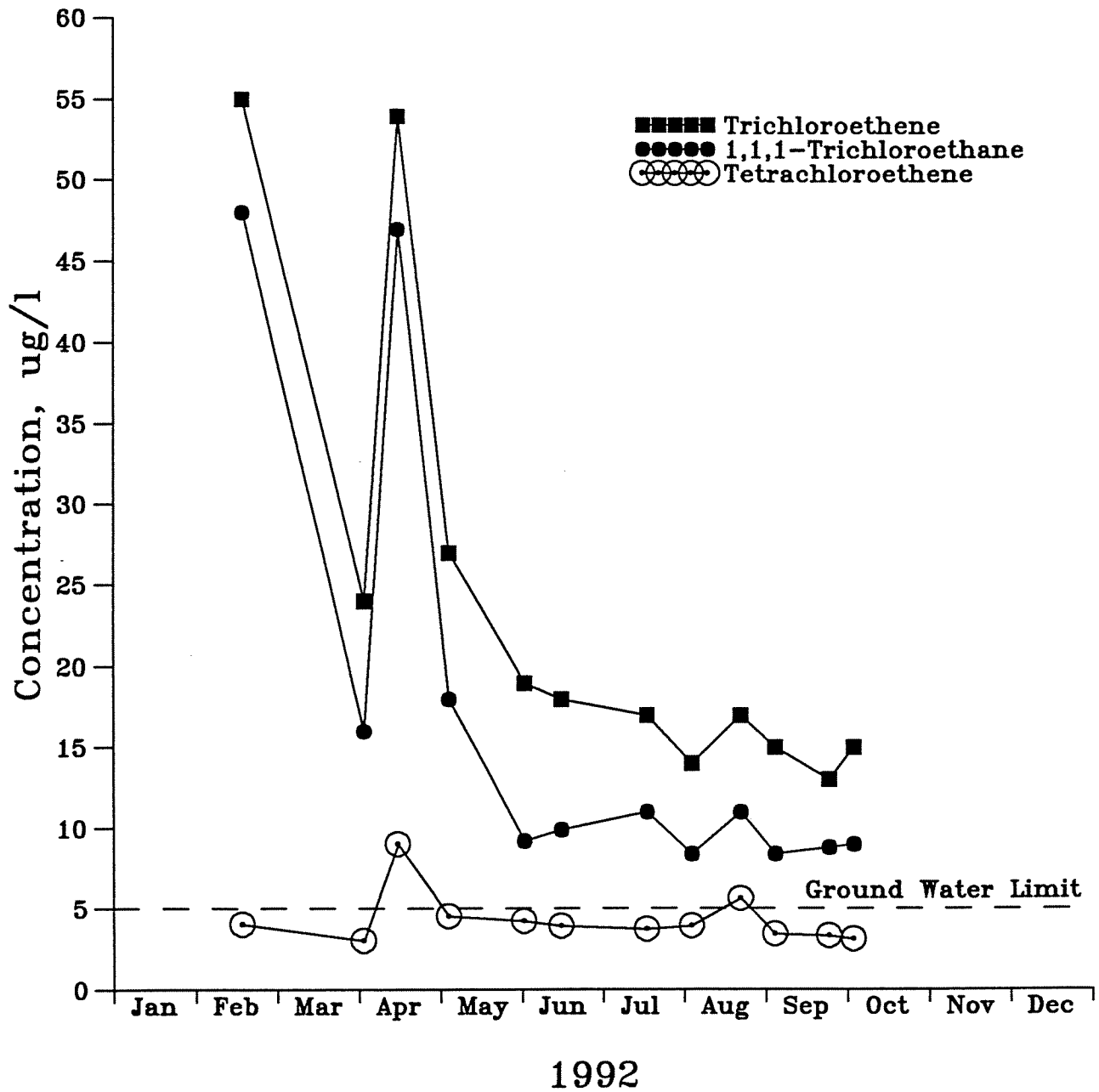
Notes: -- indicates not analyzed for this constituent  
 ND indicates constituent not detected

TABLE 1  
DISCHARGE SAMPLING RESULTS  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK

	Discharge Limit	09/03/92		09/23/92		10/02/92	
		Influent	Effluent	Influent	Effluent	Influent	Effluent
-----							
Volatile Organics (ug/l)							
-----							
Chloroethane	170	--	--	ND	ND	--	--
1,1-Dichloroethane	30	--	--	0.80	ND	--	--
trans-1,2-Dichloroethene	30	--	--	ND	ND	--	--
Tetrachloroethene	40	3.40	ND	3.30	ND	3.10	ND
1,1,1-Trichloroethane	20	8.40	ND	8.80	ND	9.00	ND
Trichloroethene	11	15.00	ND	13.00	ND	15.00	ND
Vinyl Chloride	50	--	--	ND	ND	--	--
Metals (ug/l)							
-----							
Aluminum, soluble	100	--	--	--	ND	--	--
Chromium, total	180	--	--	--	ND	--	--
Copper, total	10	--	--	--	ND	--	--
Iron, total	300	--	--	--	ND	--	--
Lead, total	3	--	--	--	ND	--	--
Manganese, total	4,800	--	--	--	ND	--	--
Nickel, total	86	--	--	--	ND	--	--
Zinc, total	--	--	--	--	18.6	--	--

Notes: -- indicates not analyzed for this constituent  
 ND indicates constituent not detected

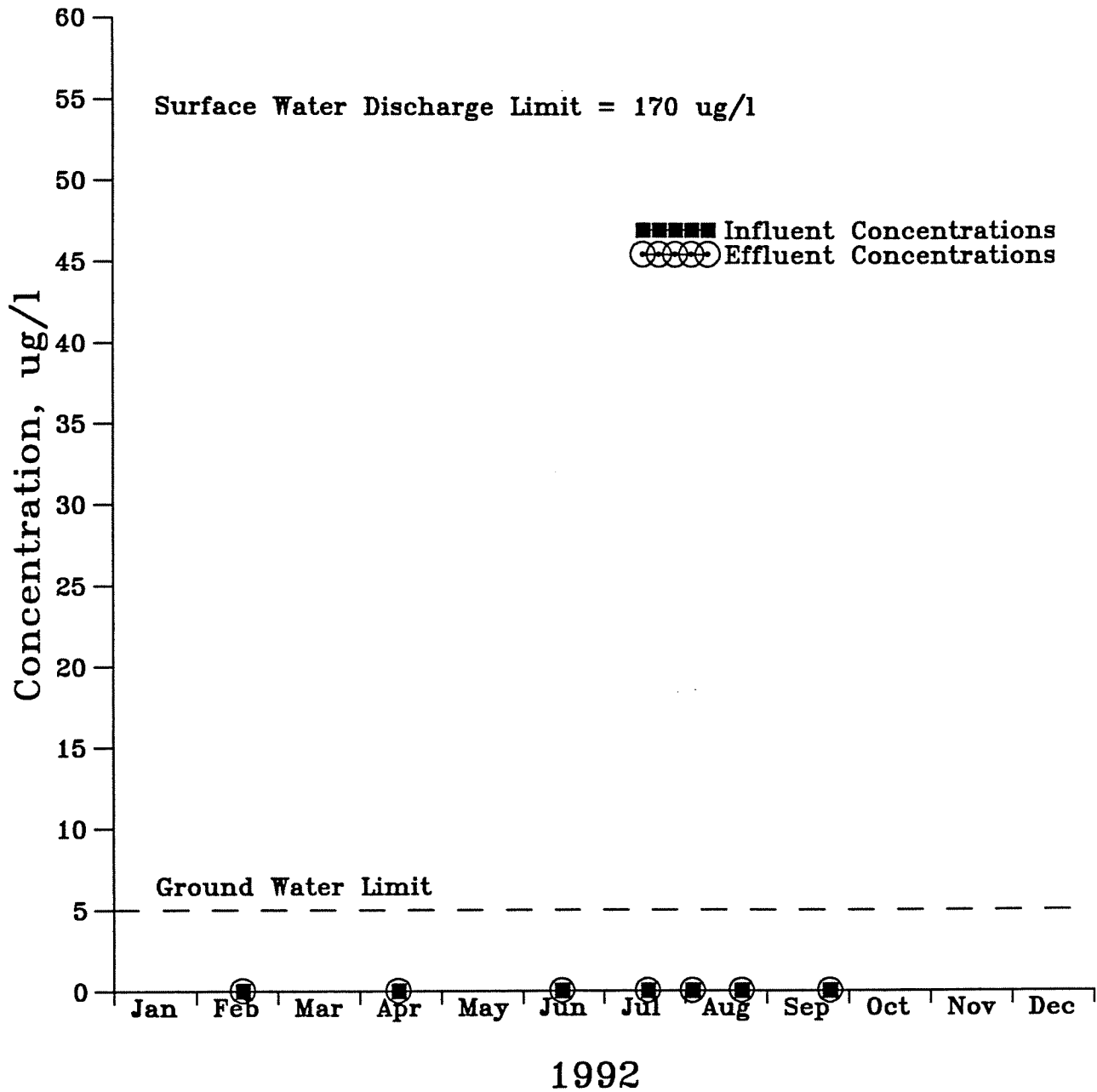
FIGURE 1  
 INFLUENT CONCENTRATIONS BEFORE TREATMENT  
 ON-SITE INTERCEPTOR WELL MONITORING  
 SIGNORE - ELLICOTTVILLE, NEW YORK



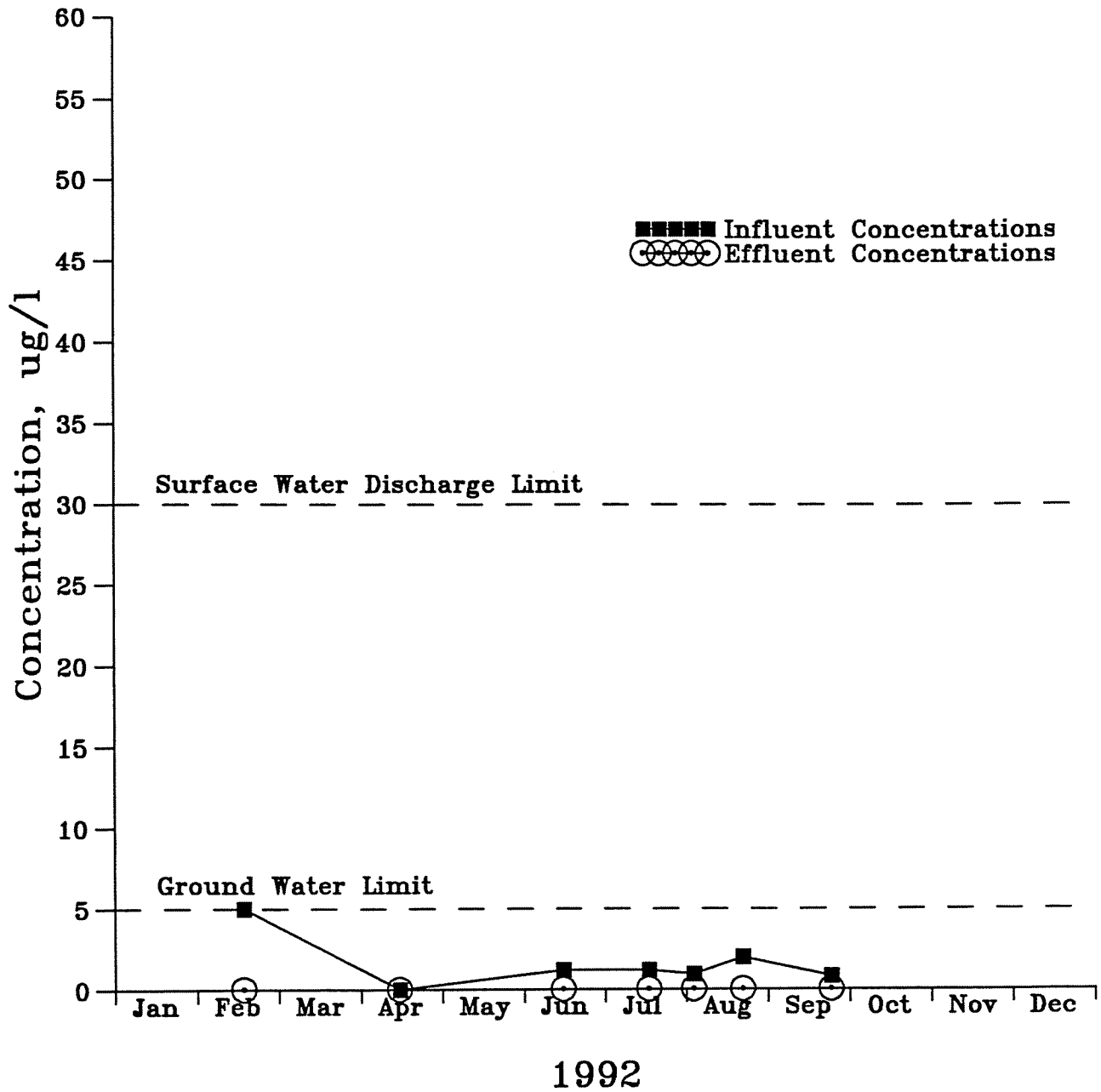
**ATTACHMENT A**

**GRAPHICAL PLOTS OF CONCENTRATION VERSUS TIME**

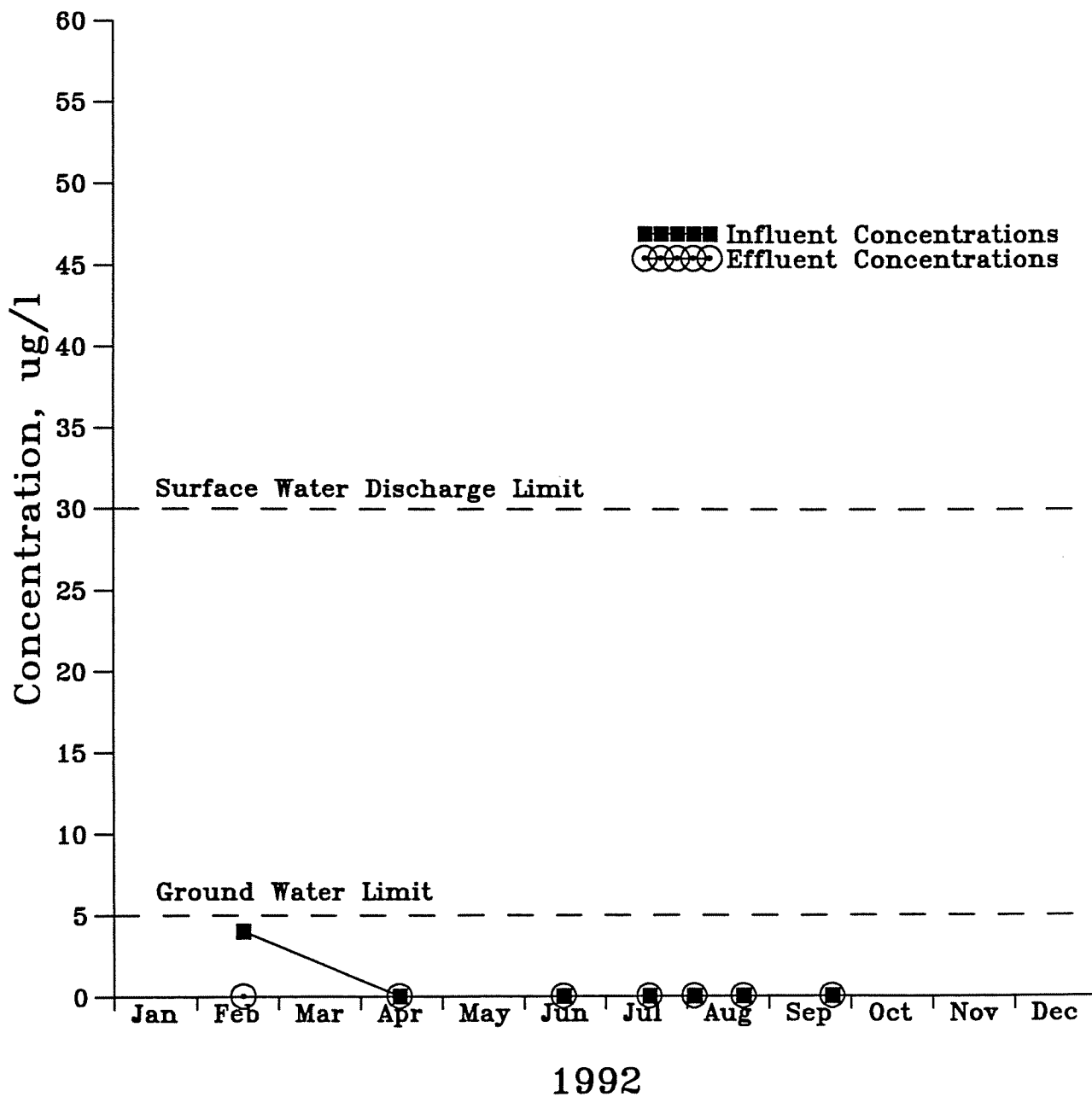
CHLOROETHANE ANALYSES  
INFLUENT (BEFORE TREATMENT) AND  
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK



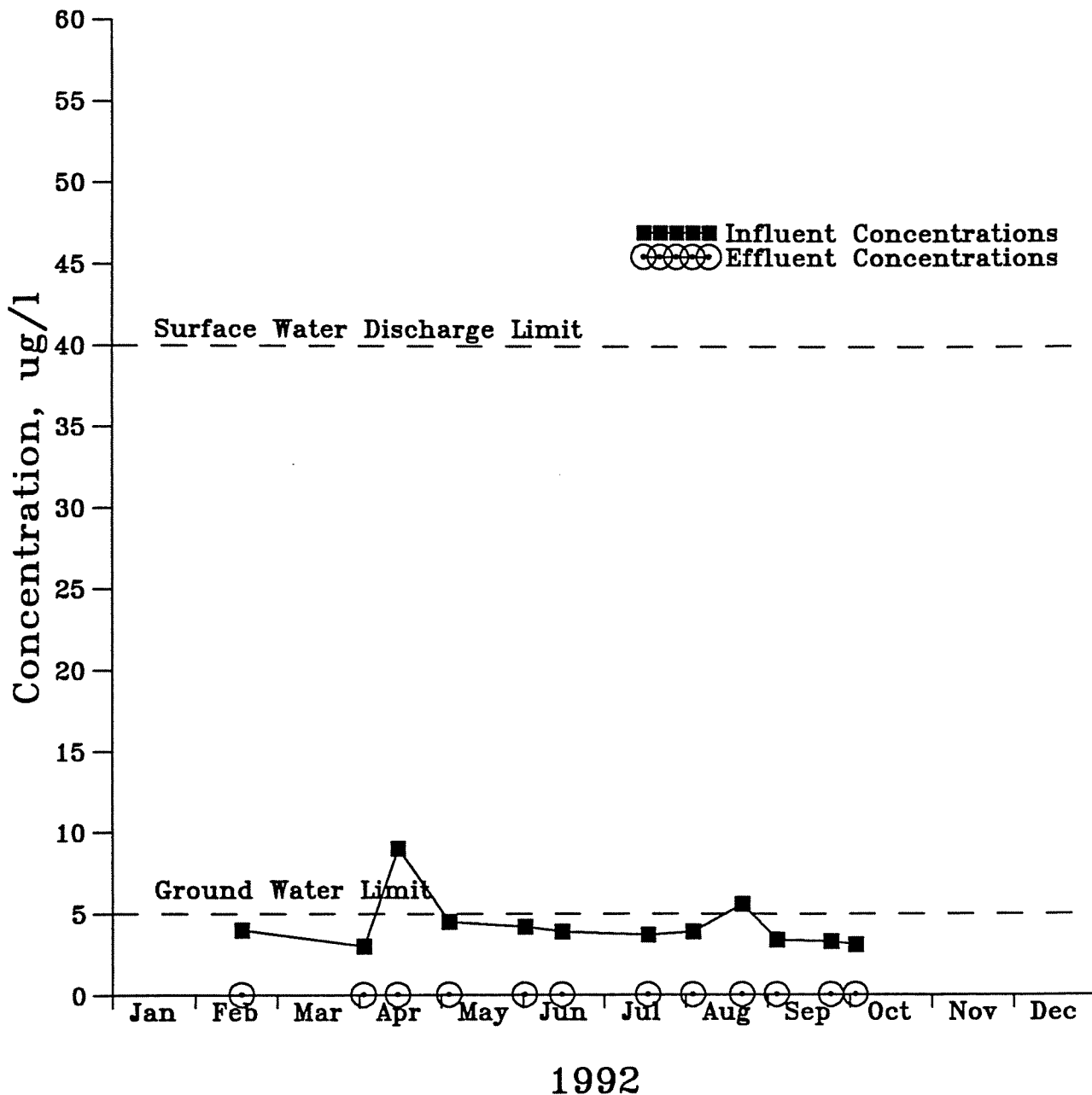
1,1-DICHLOROETHANE ANALYSES  
INFLUENT (BEFORE TREATMENT) AND  
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK



TRANS-1,2-DICHLOROETHENE ANALYSES  
INFLUENT (BEFORE TREATMENT) AND  
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK

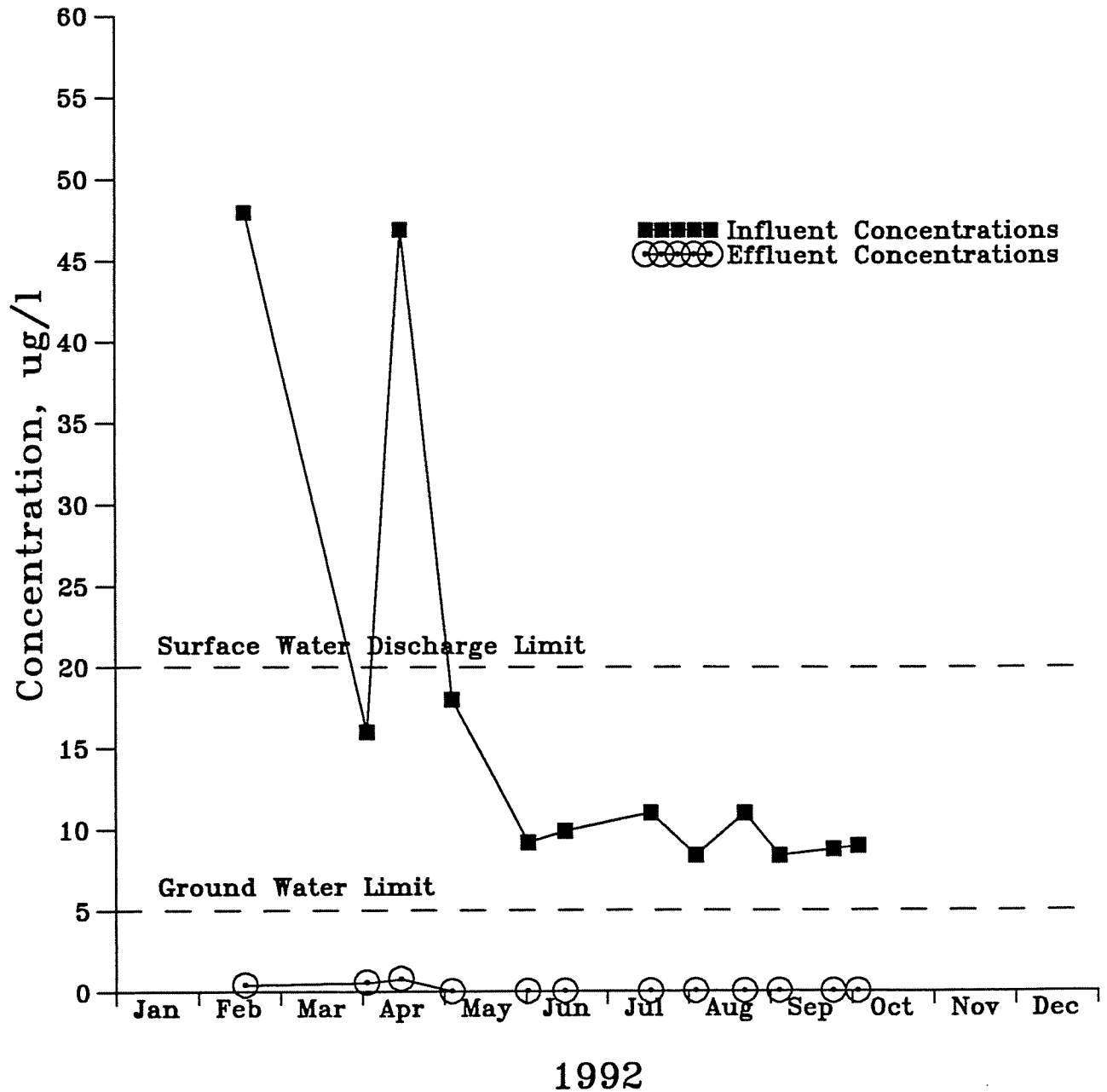


TETRACHLOROETHENE ANALYSES  
 INFLUENT (BEFORE TREATMENT) AND  
 EFFLUENT (AFTER TREATMENT) CONCENTRATIONS  
 ON-SITE INTERCEPTOR WELL MONITORING  
 SIGNORE - ELLICOTTVILLE, NEW YORK

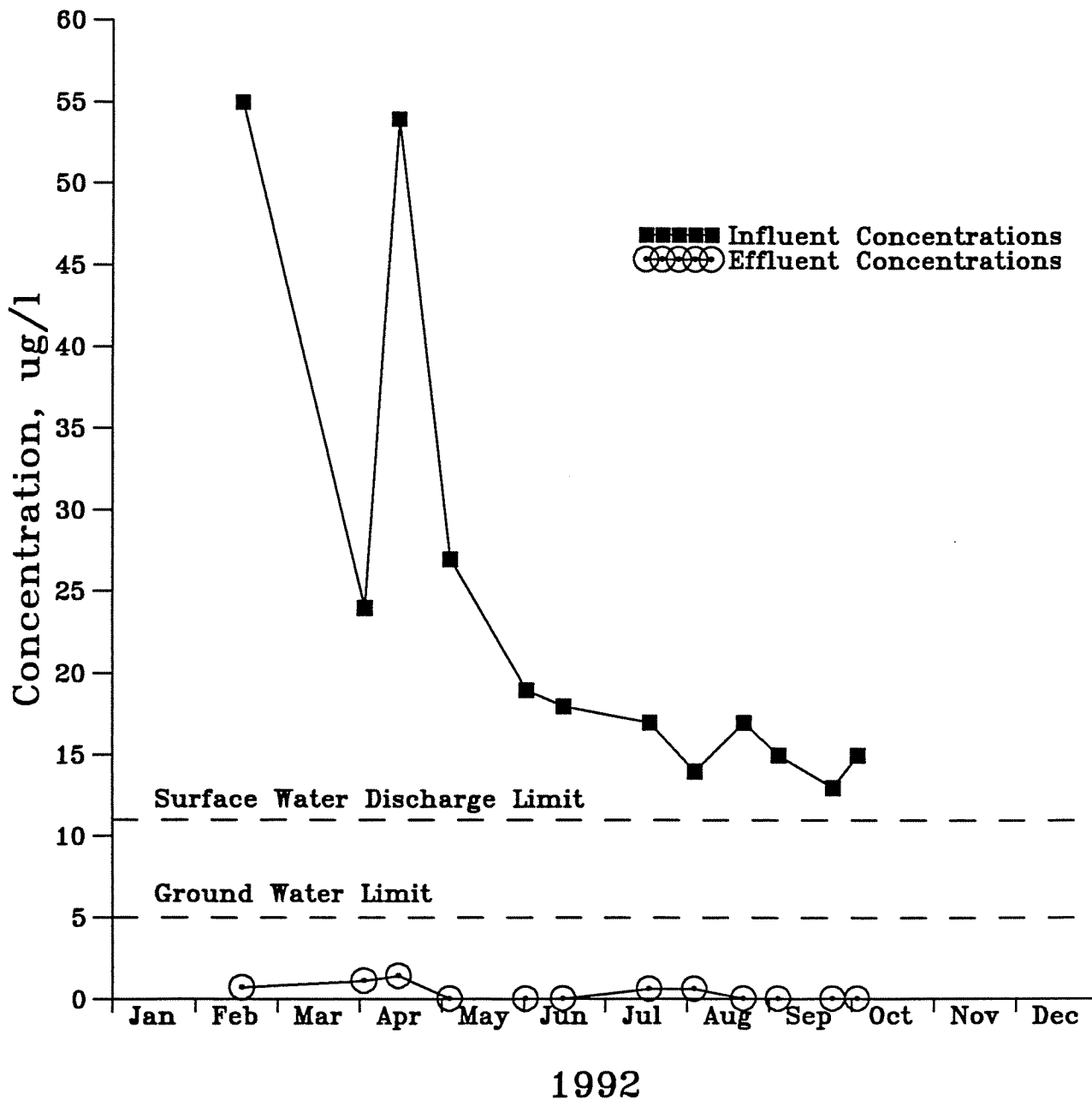




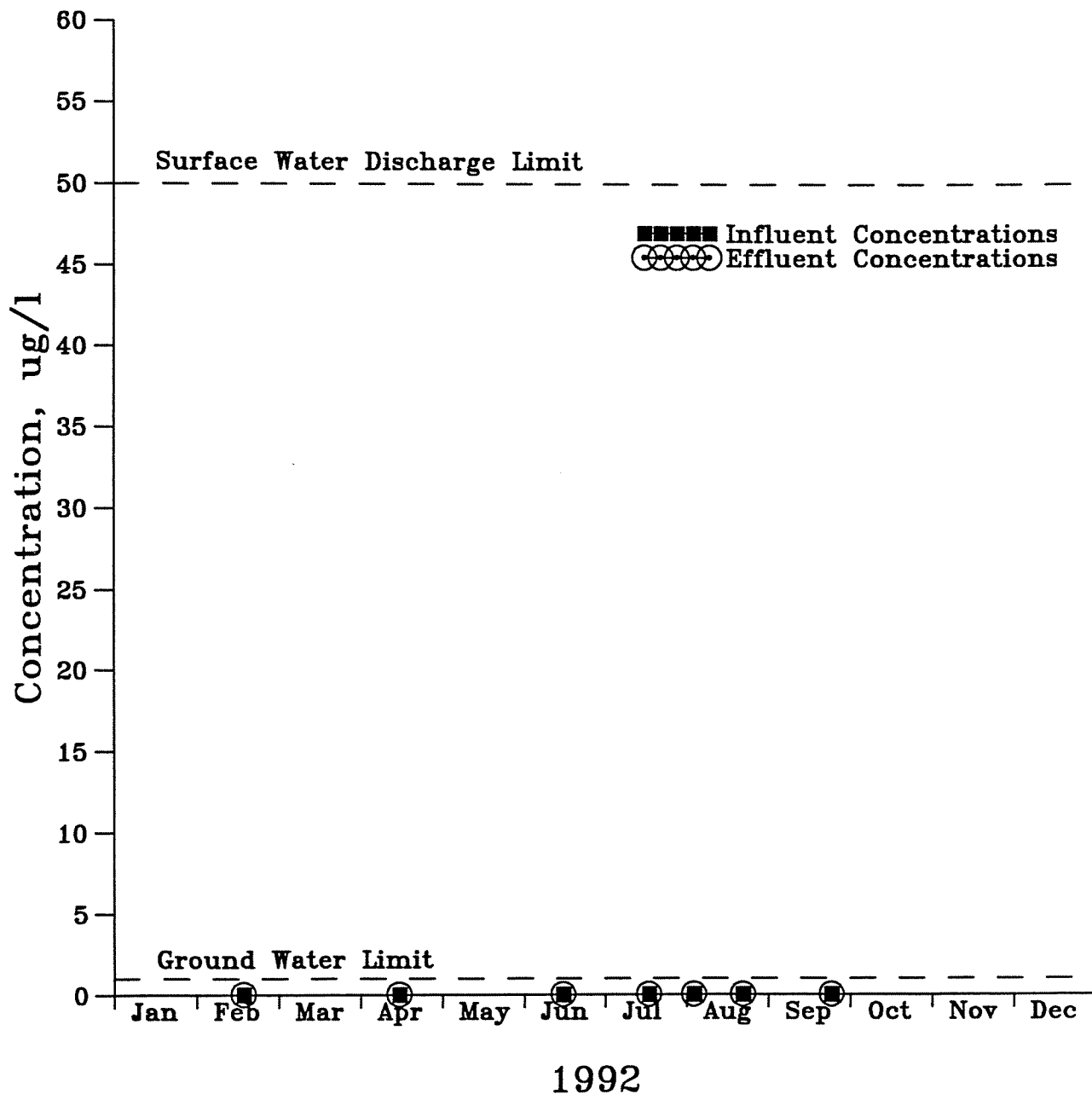
1,1,1-TRICHLOROETHANE ANALYSES  
 INFLUENT (BEFORE TREATMENT) AND  
 EFFLUENT (AFTER TREATMENT) CONCENTRATIONS  
 ON-SITE INTERCEPTOR WELL MONITORING  
 SIGNORE - ELLICOTTVILLE, NEW YORK



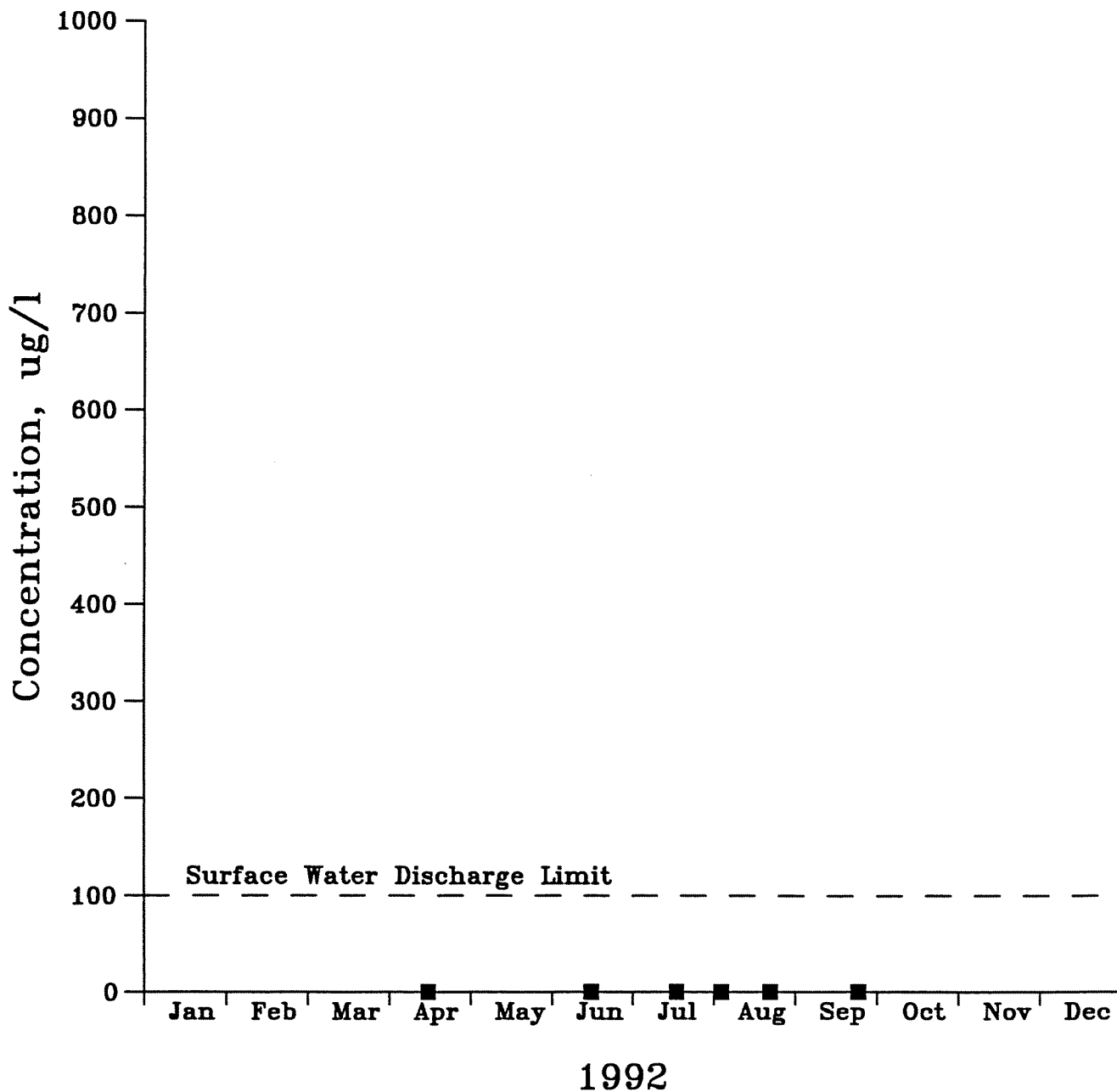
TRICHLOROETHENE ANALYSES  
 INFLUENT (BEFORE TREATMENT) AND  
 EFFLUENT (AFTER TREATMENT) CONCENTRATIONS  
 ON-SITE INTERCEPTOR WELL MONITORING  
 SIGNORE - ELLICOTTVILLE, NEW YORK



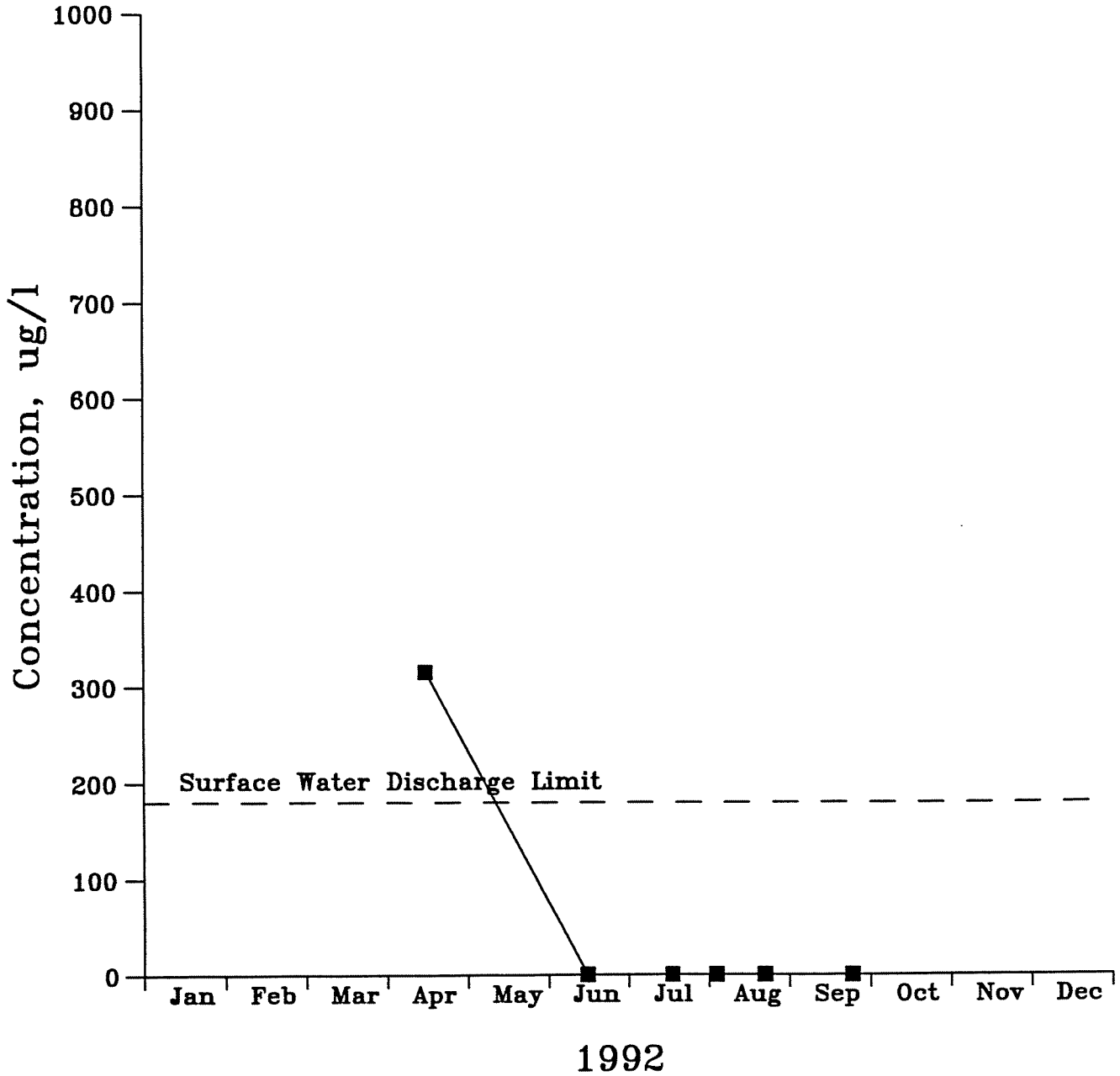
VINYL CHLORIDE ANALYSES  
INFLUENT (BEFORE TREATMENT) AND  
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK



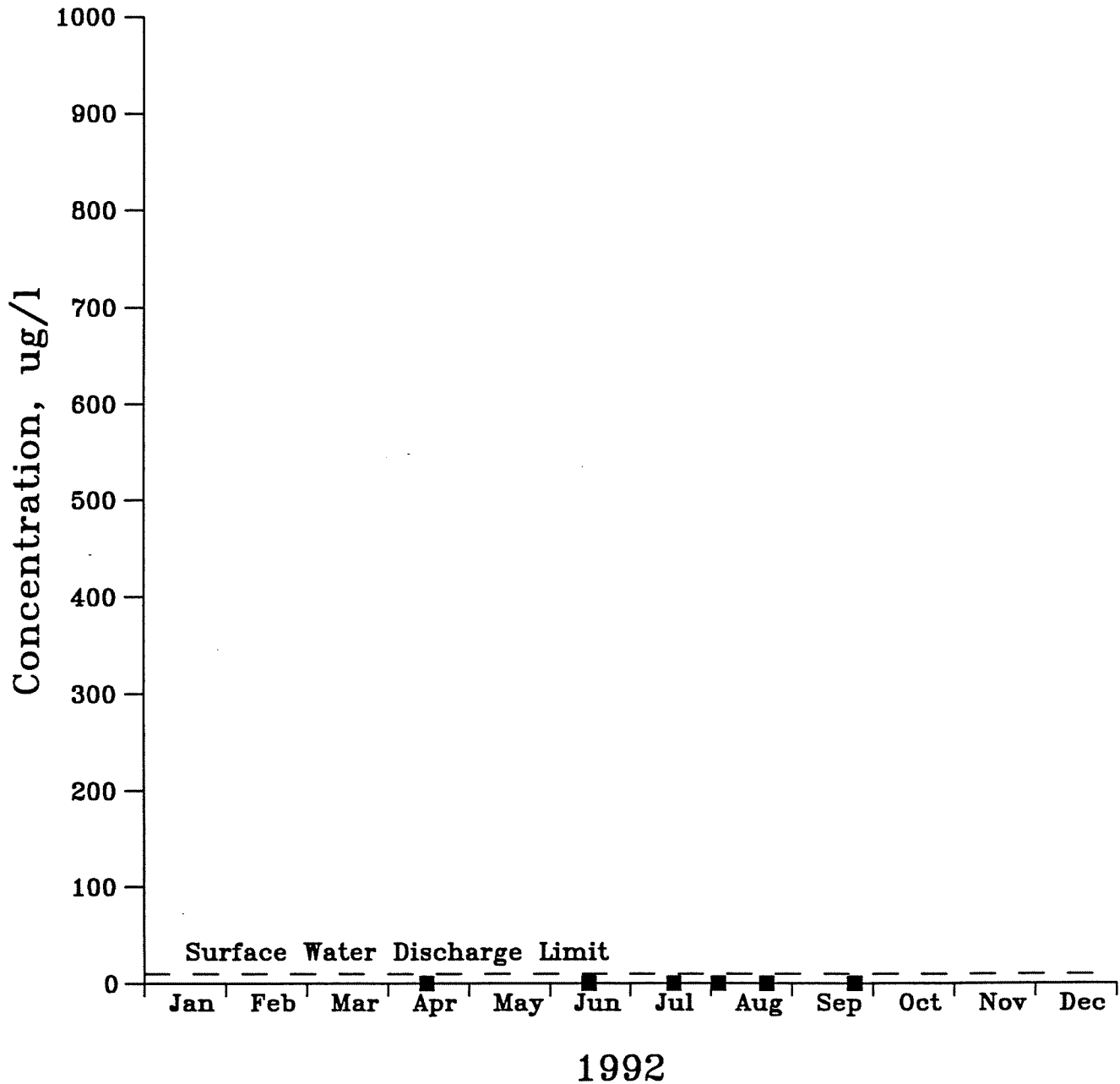
DISSOLVED ALUMINUM ANALYSES  
EFFLUENT CONCENTRATIONS AFTER TREATMENT  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK



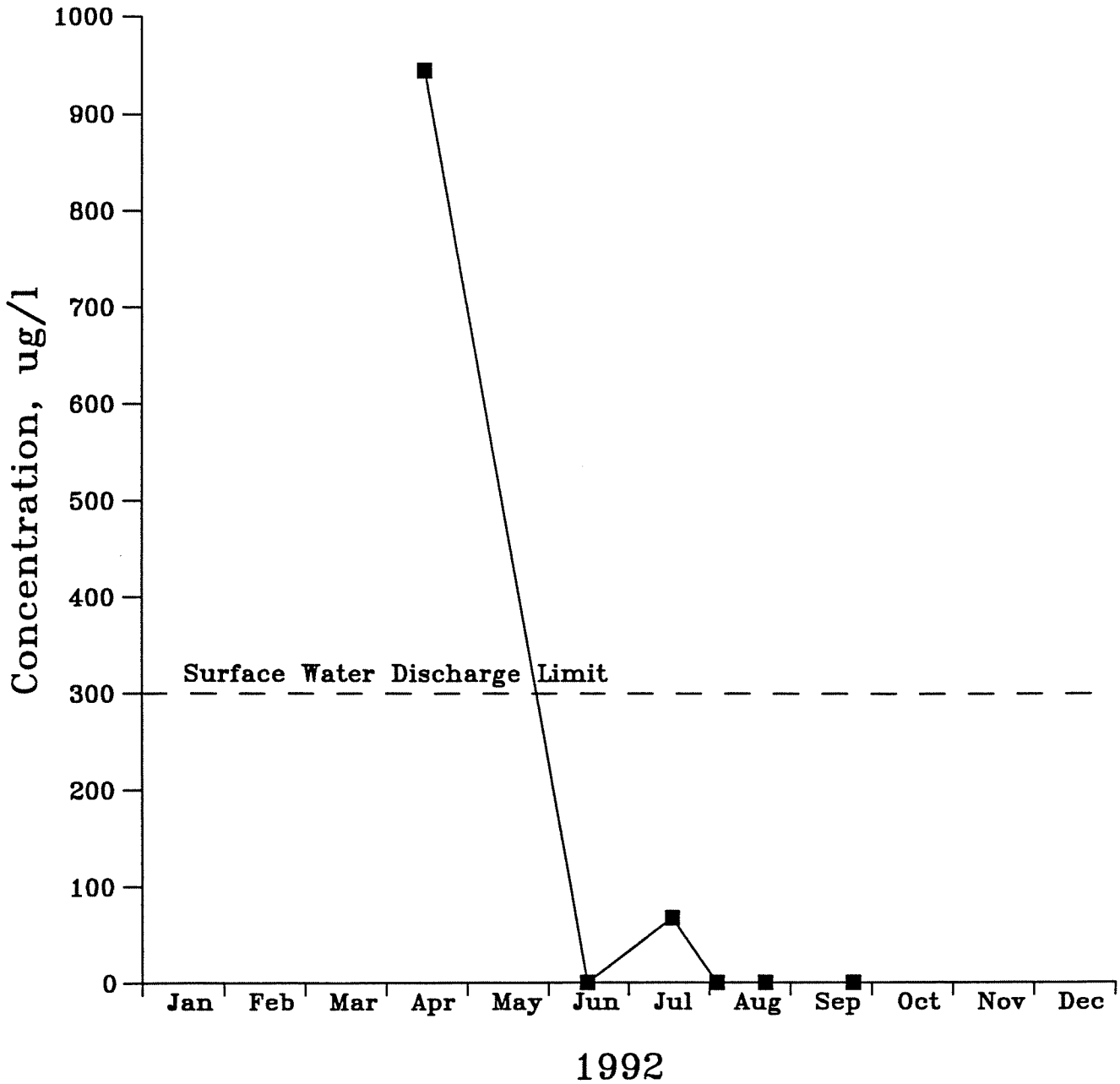
TOTAL CHROMIUM ANALYSES  
EFFLUENT CONCENTRATIONS AFTER TREATMENT  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK



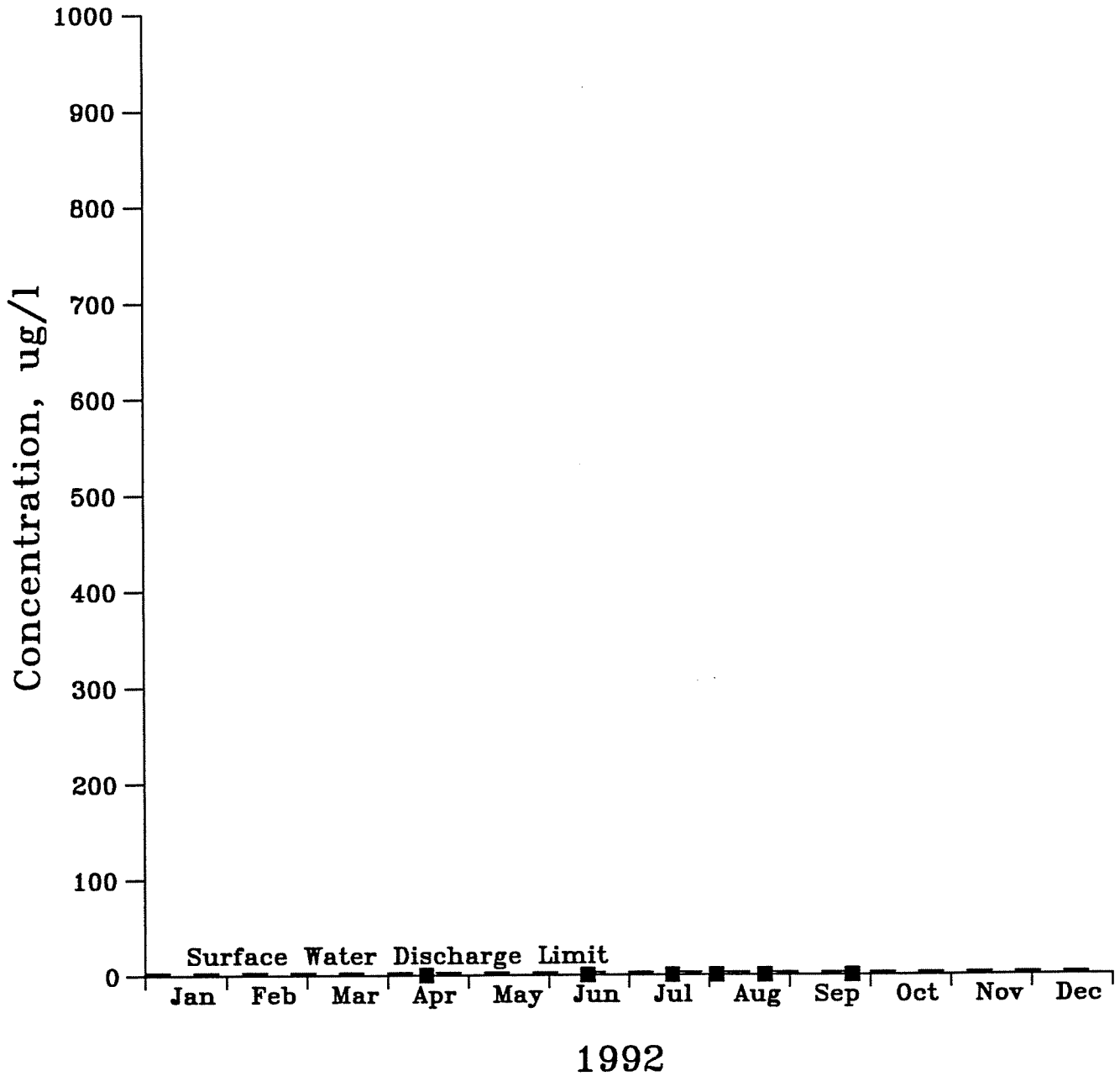
TOTAL COPPER ANALYSES  
EFFLUENT CONCENTRATIONS AFTER TREATMENT  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK



TOTAL IRON ANALYSES  
EFFLUENT CONCENTRATIONS AFTER TREATMENT  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK

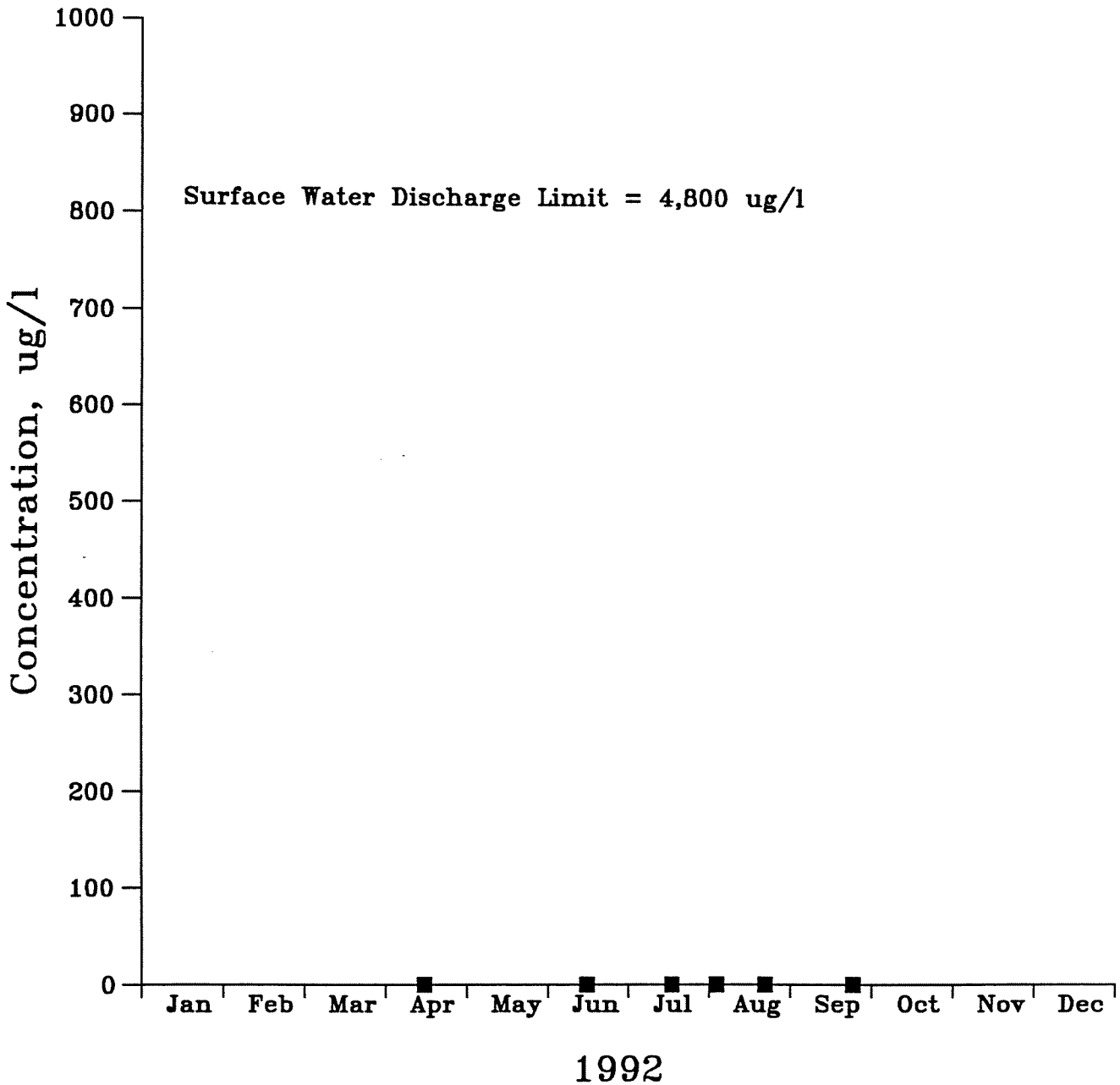


TOTAL LEAD ANALYSES  
EFFLUENT CONCENTRATIONS AFTER TREATMENT  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK

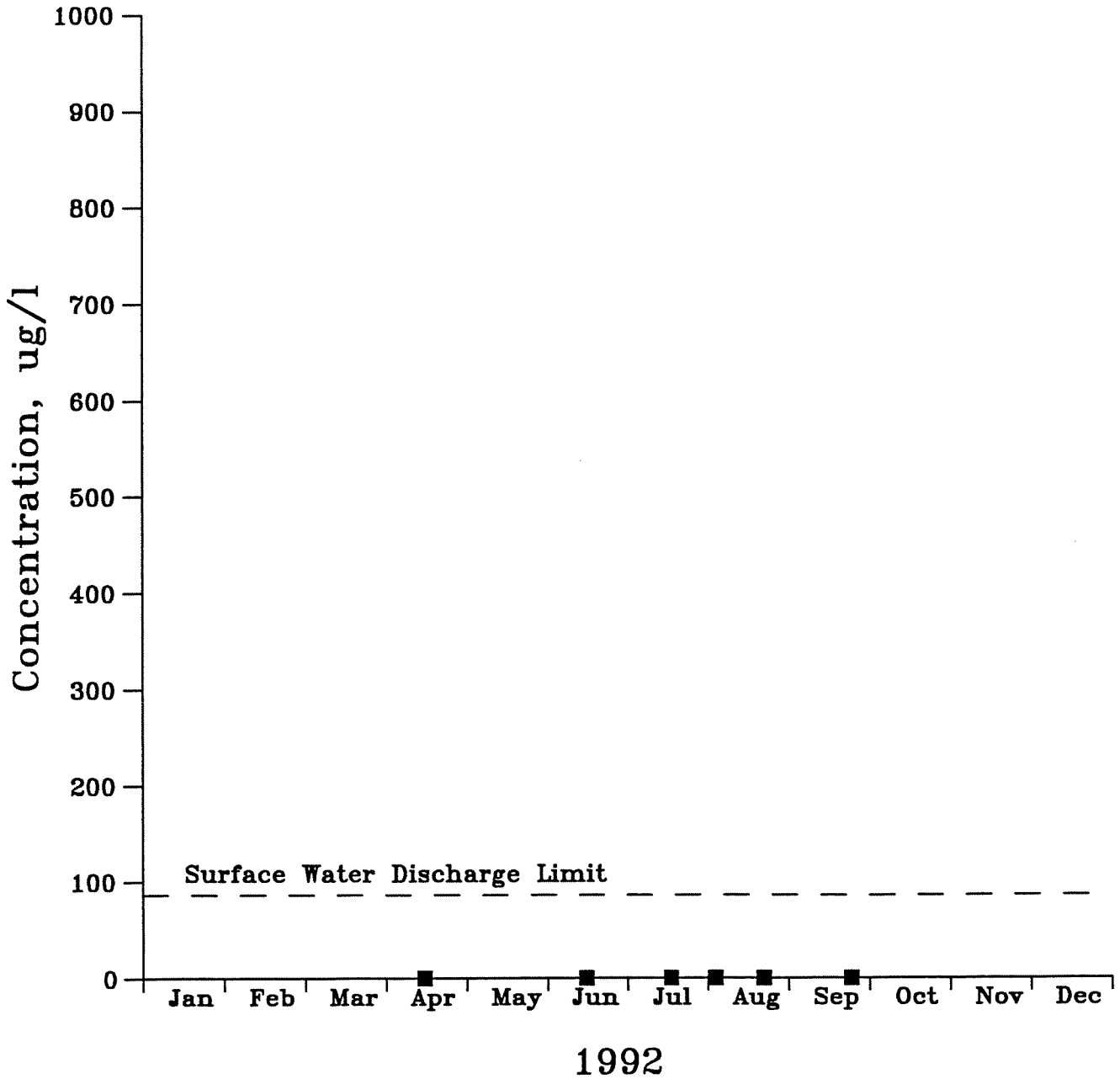




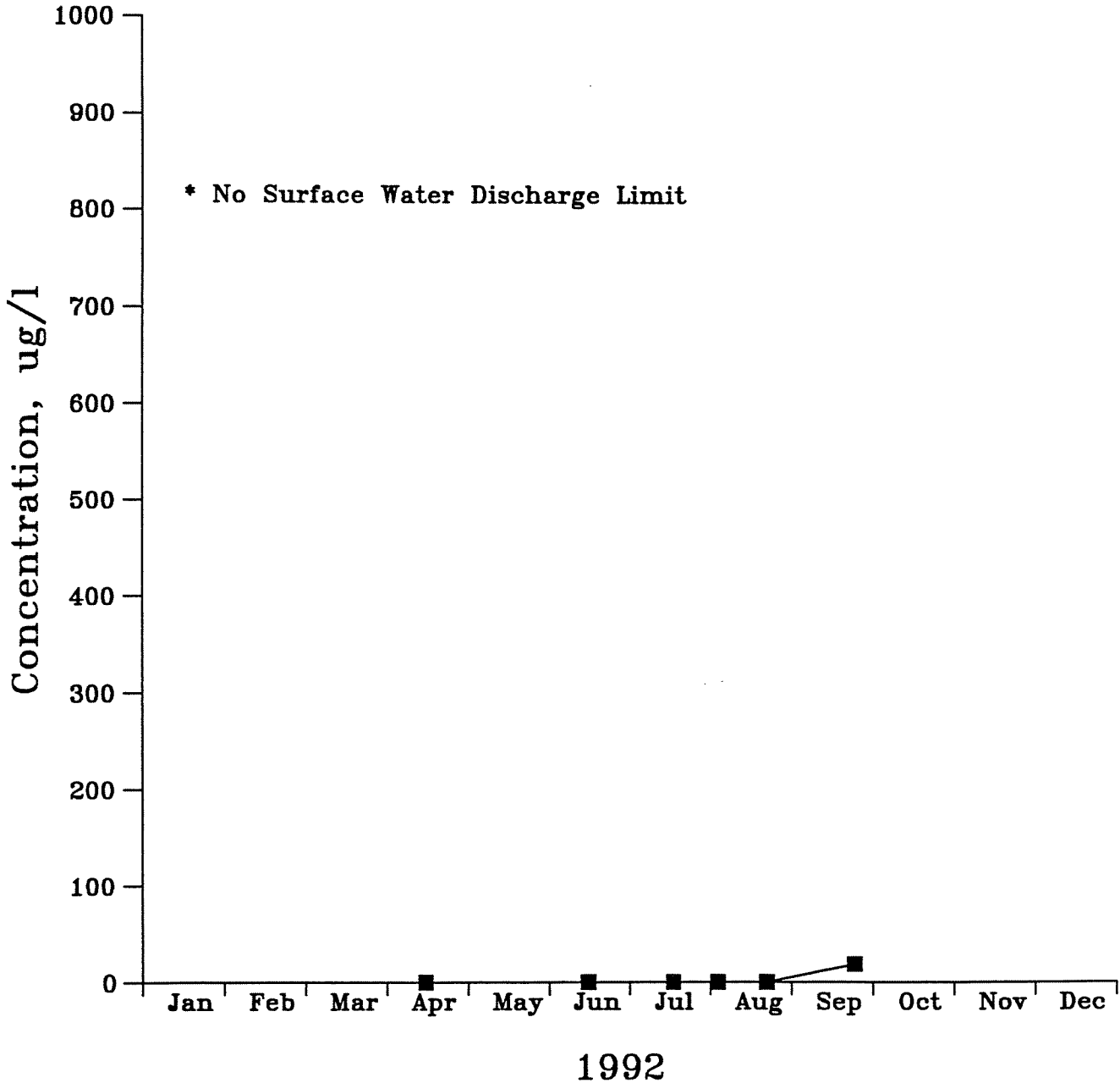
TOTAL MANGANESE ANALYSES  
EFFLUENT CONCENTRATIONS AFTER TREATMENT  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK



TOTAL NICKEL ANALYSES  
EFFLUENT CONCENTRATIONS AFTER TREATMENT  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK



TOTAL ZINC ANALYSES  
EFFLUENT CONCENTRATIONS AFTER TREATMENT  
ON-SITE INTERCEPTOR WELL MONITORING  
SIGNORE - ELLICOTTVILLE, NEW YORK



**ATTACHMENT B**

**RECRA ENVIRONMENTAL AND GENERAL TESTING**

**LABORATORY REPORTS**

RECEIVED MAR - 5 1992

World  
University  
Games  
Buffalo  
1993

GRAND PATRON

HELPING TO BRING THE  
WORLD TO BUFFALO



**RECRA ENVIRONMENTAL, INC.**

March 2, 1992

*Chemical and Environmental Analysis Services*

Mr. Jeffrey Schick  
Ground Water Associates, Inc.  
771 Brooksedge Plaza Drive  
Westerville, OH 43081

RE: Analytical Results

Dear Mr. Schick:

Please find enclosed results concerning the analyses of the samples recently submitted by your firm. The Pertinent Information regarding these analyses is listed below:

Quote #: NY91-151R  
Matrix: Aqueous  
Samples Received: 2/21/92  
Sample Dates: 2/17,20/92

If you have any questions concerning these data, please contact Ms. Candace Steady, Project Manager, Customer Service at (716) 691-2600 and refer to the I.D. number listed below. It has been our pleasure to provide Ground Water Associates, Inc. with Environmental Testing Services. We look forward to serving you in the future.

Sincerely,

RECRA ENVIRONMENTAL, INC.

Kenneth C. Malinowski, PhD  
Vice President

AH/KCM/mec  
Enclosure

I.D. #92-0579  
#NY1A2974

## ANALYTICAL RESULTS

Prepared For

Ground Water Associates, Inc.  
771 Brooksedge Plaza Drive  
Westerville, OH 43081

Prepared By

Recra Environmental, Inc.  
10 Hazelwood Drive, Suite 106  
Amherst, New York 14228-2298

### METHODOLOGY

Method 524.2 was performed in accordance with Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039; December 1988, Revision 3.0, 1989.

### COMMENTS

Comments pertain to data on one or all pages of this report.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Organic Data Comment Page.

Quality control analysis was performed on a batch basis. All results were within acceptable limits.

Sample I.D. OSIW-IN Signore exceeded the calibration curve at a dilution of 1 for TCL compounds 1,1,1-Trichloroethane and Trichloroethene. Therefore, a reanalysis at a further dilution of 2 was required.



RECRA  
ENVIRONMENTAL  
INC.

Laboratory Name RECRA ENVIRONMENTAL, INC.

USEPA Defined Organic Data Qualifiers:

- U - Indicates compound was analyzed for but not detected.
  
- J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
  
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
  
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
  
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
  
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.
  
- G - The TCLP Matrix Spike recovery was greater than the upper limit of the analytical method.
  
- L - The TCLP Matrix Spike recovery was lower than the lower limit of the analytical method.
  
- T - This flag is used when the analyte is found in the associated TCLP extraction as well as in the sample.

3

GROUND WATER ASSOCIATES, INC.  
 AQUEOUS MATRIX  
 METHOD 524.2 - VOLATILE ORGANICS

LAB NAME RECRA ENVIRONMENTAL INC.  
 JOB NO. 92-0579  
 DESC AS007606  
 SAMPLE NO. OSIW-IN

SAMPLE DATE 02/17/92  
 ANALYSIS DATE 02/24/92

COMPOUND (Units of Measure = UG/L )	RESULT	Q
Acetone	2.0	U
Benzene	1.0	U
Bromodichloromethane	1.0	U
Bromoform	1.0	U
Bromomethane	2.0	U
Carbon disulfide	1.0	U
Carbon tetrachloride	1.0	U
Chlorobenzene	1.0	U
Chlorodibromomethane	1.0	U
Chloroethane	2.0	U
Chloroform	0.04	J
Chloromethane	2.0	U
1,1-Dichloroethane	5.0	U
1,2-Dichloroethane	1.0	J
1,1-Dichloroethene	0.9	J
trans-1,2-Dichloroethene	4.0	U
1,2-Dichloropropane	1.0	U
trans-1,3-Dichloropropene	1.0	U
cis-1,3-Dichloropropene	1.0	U
Ethylbenzene	1.0	U
2-Hexanone	2.0	U
Methylene chloride	1.0	U
Methyl ethyl ketone	2.0	U
4-Methyl-2-pentanone	2.0	U
Styrene	1.0	U
1,1,2,2-Tetrachloroethane	1.0	U
Tetrachloroethene	4.0	U
Toluene	1.0	U
1,1,1-Trichloroethane	54	U
1,1,2-Trichloroethane	1.0	U
Trichloroethene	61	U
Vinyl acetate	2.0	U
Vinyl chloride	2.0	U
Xylenes (Total)	1.0	U

SAMPLE NO: OSIW-IN, SIGNORE  
 DILUTION FACTOR = 1



GROUND WATER ASSOCIATES, INC.  
 AQUEOUS MATRIX  
 METHOD 524.2 - VOLATILE ORGANICS

4

LAB NAME RECRA ENVIRONMENTAL INC.  
 JOB NO. 92-0579  
 ESC AS007606  
 SAMPLE NO. OSIW-IN

SAMPLE DATE 02/17/92  
 ANALYSIS DATE 02/24/92

COMPOUND	RESULT	Q
<u>Internal Standards</u>		
(%Recovery)		
Chlorobenzene-D5	87	
1,4-Difluorobenzene	89	
Bromochloromethane	93	
<u>Surrogates</u>		
(%Recovery)		
p-Bromofluorobenzene	104	
1,2-Dichlorobenzene-d4	91	
Toluene-D8	97	

GROUND WATER ASSOCIATES, INC.  
 AQUEOUS MATRIX  
 METHOD 524.2 - VOLATILE ORGANICS

LAB NAME RECRA ENVIRONMENTAL INC.  
 JOB NO. 92-0579  
 DESC AS007606  
 SAMPLE NO. OSIW-IN DL

SAMPLE DATE 02/17/92  
 ANALYSIS DATE 02/24/92

COMPOUND (Units of Measure = UG/L )	RESULT	Q
Acetone	4.0	U
Benzene	2.0	U
Bromodichloromethane	2.0	U
Bromoform	2.0	U
Bromomethane	4.0	U
Carbon disulfide	2.0	U
Carbon tetrachloride	2.0	U
Chlorobenzene	2.0	U
Chlorodibromomethane	2.0	U
Chloroethane	4.0	U
Chloroform	2.0	U
Chloromethane	4.0	U
1,1-Dichloroethane	5.0	D
1,2-Dichloroethane	2.0	D
1,1-Dichloroethene	0.8	F
cis 1,2-Dichloroethene	2.0	D
1,2-Dichloropropane	2.0	D
trans-1,3-Dichloropropene	2.0	D
cis-1,3-Dichloropropene	2.0	D
Ethylbenzene	2.0	D
2-Hexanone	4.0	D
Methylene chloride	2.0	D
Methyl ethyl ketone	4.0	D
4-Methyl-2-pentanone	4.0	D
Styrene	2.0	D
1,1,2,2-Tetrachloroethane	2.0	D
Tetrachloroethene	2.0	D
Toluene	2.0	D
1,1,1-Trichloroethane	48	D
1,1,2-Trichloroethane	2.0	U
Trichloroethene	55	D
Vinyl acetate	4.0	D
Vinyl chloride	4.0	D
Xylenes (Total)	2.0	U

SAMPLE NO: OSIW-IN, IGNORE DL  
 DILUTION FACTOR = 2

6

GROUND WATER ASSOCIATES, INC.  
 AQUEOUS MATRIX  
 METHOD 524.2 - VOLATILE ORGANICS

LAB NAME    RECRE ENVIRONMENTAL INC.  
 JOB NO.     92-0579  
 DESC        AS007606  
 SAMPLE NO. OSIW-IN DL

SAMPLE DATE 02/17/92  
 ANALYSIS DATE 02/24/92

COMPOUND	RESULT	Q
<u>Internal Standards</u>		
(%Recovery)		
Chlorobenzene-D5	91	
1,4-Difluorobenzene	95	
Bromochloromethane	101	
<u>Surrogates</u>		
(%Recovery)		
p-Bromofluorobenzene	100	
1,2-Dichlorobenzene-d4	93	
Toluene-D8	98	

:

7

GROUND WATER ASSOCIATES, INC.  
 AQUEOUS MATRIX  
 METHOD 524.2 - VOLATILE ORGANICS

LAB NAME RECRA ENVIRONMENTAL INC.  
 JOB NO. 92-0579  
 DESC AS007607  
 SAMPLE NO. OSIW-OUT

SAMPLE DATE 02/17/92  
 ANALYSIS DATE 02/24/92

COMPOUND (Units of Measure = UG/L )	RESULT	Q
Acetone	2.0	U
Benzene	1.0	U
Bromodichloromethane	1.0	U
Bromoform	1.0	U
Bromomethane	2.0	U
Carbon disulfide	1.0	U
Carbon tetrachloride	1.0	U
Chlorobenzene	1.0	U
Chlorodibromomethane	1.0	U
Chloroethane	2.0	U
Chloroform	1.0	U
Chloromethane	2.0	U
1,1-Dichloroethane	1.0	U
1,2-Dichloroethane	1.0	U
1,1-Dichloroethene	1.0	U
trans-1,2-Dichloroethene	1.0	U
1,2-Dichloropropane	1.0	U
trans-1,3-Dichloropropene	1.0	U
cis-1,3-Dichloropropene	1.0	U
Ethylbenzene	1.0	U
2-Hexanone	2.0	U
Methylene chloride	1.0	U
Methyl ethyl ketone	2.0	U
4-Methyl-2-pentanone	2.0	U
Styrene	1.0	U
1,1,2,2-Tetrachloroethane	1.0	U
Tetrachloroethene	1.0	U
Toluene	1.0	U
1,1,1-Trichloroethane	0.4	J
1,1,2-Trichloroethane	1.0	U
Trichloroethene	0.7	J
Vinyl acetate	2.0	U
Vinyl chloride	2.0	U
Xylenes (Total)	1.0	U

SAMPLE NO: OSIW-OUT, SIGNORE  
 DILUTION FACTOR = 1

GROUND WATER ASSOCIATES, INC.  
 AQUEOUS MATRIX  
 METHOD 524.2 - VOLATILE ORGANICS

8

LAB NAME RECRA ENVIRONMENTAL INC.  
 JOB NO. 92-0579  
 DESC AS007607  
 SAMPLE NO. OSIW-OUT

SAMPLE DATE 02/17/92  
 ANALYSIS DATE 02/24/92

COMPOUND	RESULT	Q
<u>Internal Standards</u>		
(%Recovery)		
Chlorobenzene-D5	96	
1,4-Difluorobenzene	97	
Bromochloromethane	97	
<u>Surrogates</u>		
(%Recovery)		
p-Bromofluorobenzene	101	
1,2-Dichlorobenzene-d4	102	
Toluene-D8	92	

RECRA ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

PROJECT NO.: NY 91-151R		SITE NAME: Signore						40 ml vials			
SAMPLERS (SIGNATURE): Brad Gamble (6WA)				STATION LOCATION		NO. OF CON. TAINERS		REMARKS			
STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION						
1	2/17	1530		X	OSIW-IN, Signore	8					VOA by Method 624.2
2	2/17	1540		X	OSIW-OUT, Signore	8					without Matrix Spike/
3	2/20	1030		X	OSIW-IN-END, Signore	6					Matrix Spike Duplicate and
4	2/20	1040		X	OSIW-OUT-END, Signore	6					Field Blank
5					Trip Blank	2					

RELINQUISHED BY (SIGNATURE):	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
<i>Brad F. Gamble</i>	2/20/02	1100				
RELINQUISHED BY (SIGNATURE):	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE):	DATE	TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	REMARKS
			<i>Donald A. Beau</i>	2/21/02		

General  
Testing  
Corporation



A Full Service Environmental Laboratory

APR. 24 1992

Mr. James Fitzpatrick  
Signore Inc.  
43 Jefferson St. PO Box 1448  
Ellicottville, NY 14731-1448

Re: Stripper Well

Dear Mr. James Fitzpatrick

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

*Marshall Shannon / Vm*

Marshall Shannon  
Customer Service Director

Enc.

RECEIVED

APR 30 1992

SIGNORE INC.

FAXED  
5/5

Effective 10/1/91

GTC LIST OF QUALIFIERS

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- \* - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.





A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/01334

Date: APR. 24 1992

Client:

Mr. James Fitzpatrick  
 Signore Inc.  
 43 Jefferson St. PO Box 1448  
 Ellicottville, NY 14731-1448

Sample(s) Reference:

Stripper Well

Received

: 04/03/92

P.O. #:

ANALYSIS * BY GC METHOD 524.2			ANALYTICAL RESULTS - ug/l			
Sample:	-001	-002				
Location:	Influent	Effluent				
Date Collected:	04/02/92	04/02/92				
Time Collected:	10:00	10:00				
Date Analyzed:	04/13/92	04/13/92				
Dilution:	1	1				
Trichloroethene	24	1.1				
1,1,1-Trichloroethane	16	0.55				
Tetrachloroethene	3.0	0.50 U				
SURROGATE STANDARD RECOVERIES						
-----						
% Recovery						
Bromofluorobenzene	98	87				
Dichlorobenzene-1,2-d4	--	102				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145  
 NJ ID# in Rochester: 73331  
 NJ ID# in Hackensack: 02317  
 NY ID# in Hackensack: 10801

*Michael K. Perry*

Laboratory Director

# GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street    85 Trinity Place    435 Lawrence Bell Drive  
 Rochester, NY 14608    Hackensack, NJ 07601    Amherst, NY 14221-7077

GTC Job No. R92/1334  
 Client Project No. \_\_\_\_\_

**Sample Origination & Shipping Information**

Collection Site SIGNORE, TWC STRIPPER WELL  
 Address 43 JEFFERSON ST, ELLICOTTVILLE NY 14731  
Street City State Zip  
 Collector FLETCHER E WARD Fletcher E Ward  
Print Signature

Bottles Prepared by \_\_\_\_\_ Rec'd by \_\_\_\_\_  
 Bottles Shipped to Client via \_\_\_\_\_ Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via UPS Seal/Shipping # \_\_\_\_\_

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign <u>Fletcher E Ward</u> for <u>SIGNORE, TWC dated 4-1-92</u>	1. Sign _____ for _____	/ / : :
2. Sign _____ for _____	2. Sign _____ for _____	/ / : :
3. Sign _____ for _____	3. Sign _____ for _____	/ / : :

Sample(s) Received in Laboratory by [Signature] 4, 3, 92 @ 09:30

Client I.D.#	Sample Location	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep				Bottle Set(s) (see below)
				Preserved	Filtered	Y	N	
1	<u>STRIPPER WELL</u> <u>INFLUENT</u> <u>4/2/92 10AM</u> <u>R92/1334-001</u>		<u>3 VOLATILES</u>					
2	<u>STRIPPER WELL</u> <u>EFFLUENT</u> <u>4/2/92 10AM</u> <u>R92/1334-002</u>		<u>3 VOLATILES</u>					
3								
4								
5								

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each	<u>3</u>										

Additional Analytes #3 = Trip Blank - (6) 40ml vials = ON HOLD  
vg. 4/3

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.  
 \* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_ (X), \_\_\_\_\_ (Y).

General  
Testing  
Corporation



RECEIVED AUG 13 1992

A Full Service Environmental Laboratory

DATE

5-19-92

MAILED

MAY 14 1992

Mr. Fletcher Ward  
Signore Inc.  
43 Jefferson St. P.O. Box 1448  
Ellicottville, NY 14731-1448

Re: Interceptor Well-  
Air Stripper

Dear Mr. Fletcher Ward

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

*Vladimir Maximciuc*

Vladimir Maximciuc  
Customer Service Representative

Enc.

Effective 10/1/91

GTC LIST OF QUALIFIERS

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- \* - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/01544

Date: MAY 14 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St. P.O. Box 1448  
 Ellicottville, NY 14731-1448

Sample(s) Reference

Interceptor Well-  
 Air Stripper

Received

: 04/16/92

P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003	-004				
Location:	Signore	Signore	Signore	Signore				
	Influent A	Effluent B	Metals	Sol Alum				
Date Collected:	04/15/92	04/15/92	04/15/92	04/15/92				
Time Collected:	13:30	13:30	13:30	13:30				
Aluminum, Soluble				0.10 U				
Chromium			0.316					
Copper			0.020 U					
Iron			0.946					
Lead			0.050 U					
Manganese			0.010 U					
Nickel			0.040 U					
Zinc			0.010 U					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145  
 NJ ID# in Rochester: 73331  
 NJ ID# in Hackensack: 02317  
 NY ID# in Hackensack: 10801

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/01544

Date: MAY 14 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St. P.O. Box 1448  
 Ellicottville, NY 14731-1448

Sample(s) Reference

Interceptor Well-  
 Air Stripper

Received

: 04/16/92

P.O. #:

HSL VOLATILES BY EPA METHOD 8240\* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004				
Location:	Signore	Signore	Signore	Signore				
	Influent	Effluent B	Metals	Sol Alum				
Date Collected:	04/15/92	04/15/92	04/15/92	04/15/92				
Time Collected:	13:30	13:30	13:30	13:30				
Date Analyzed:	04/25/92	04/29/92						
Chloroethane	5.0 U	0.5 U						
1,1-Dichloroethane	5.0 U	0.5 U						
Total-1,2-Dichloroethene	5.0 U	0.5 U						
1,1,1-Trichloroethane	47	0.77						
Vinyl Chloride	5.0 U	0.5 U						
Tetrachloroethene	9.0	0.5 U						
Trichloroethene	54	1.4						
Surrogate Standard Recoveries								
1,2-Dichloroethane-d4	103	100						
(Acceptance limits: 75-119%)								
Toluene d8	99	101						
(Acceptance limits: 85-110%)								
4-Bromofluorobenzene	100	102						
(Acceptance limits: 84-116%)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

- NY ID# in Rochester: 10145
- NJ ID# in Rochester: 73331
- NJ ID# in Hackensack: 02317
- NY ID# in Hackensack: 10801

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/01544

Date: MAY 14 1992

Client:

Sample(s) Reference

Signore Inc.

Interceptor Well-  
Air Stripper

Date Received: 04/16/92

Date Sample Taken: 04/15/92

LABORATORY CHRONICLE  
DATE ANALYZED

Sample:	-001	-002	-003	-004				
Location:	Signore Influent A	Signore Effluent B	Signore Metals	Signore Sol Alum				
Aluminum, Soluble				04/29/92				
Chromium			04/27/92					
Copper			04/24/92					
Iron			04/29/92					
Lead			04/23/92					
Manganese			04/23/92					
Nickel			04/24/92					
Zinc			04/23/92					

**GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD**

710 Exchange Street    85 Trinity Place    435 Lawrence Bell Drive    GTC Job No. R92/1544  
 Rochester, NY 14608    Hackensack, NJ 07601    Amherst, NY 14221-7077    Client Project No. \_\_\_\_\_

Sample Origination & Shipping Information

Collection Site SIGNORE, INC AIR STRIPPER  
 Address 43 JEFFERSON ST, ELICOTTVILLE NY 14781  
Street City State Zip  
 Collector FLETCHER E WARD Fletcher E Ward  
Print Signature

Bottles Prepared by GTC-MC Rec'd by Client  
 Bottles Shipped to Client via UPS Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via UPS Seal/Shipping # \_\_\_\_\_

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign <u>Fletcher Ward</u> for <u>Signore</u>	1. Sign for	/ /
2. Sign for	2. Sign for	/ /
3. Sign for	3. Sign for	/ /

Sample(s) Received in Laboratory by Tom Hastings 4/16/92 @ 09:30

Client I.D.# <small>Lab#</small>	Sample Location Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep		Bottle Set(s) (see below)
				Preserved Y N	Filtered Y N	
1 <u>R92/1544-001</u>	<u>SIGNORE, INC</u> <u>TWUWENT "A"</u> <u>4/15/92 1:30</u>		<u>SOL. COAS</u>			<u>1</u>
2 <u>R92/1544-002</u>	<u>SIGNORE, INC</u> <u>EFFLUENT "B"</u> <u>4/15/92 1:30</u>		<u>SOL. COAS</u>			<u>1</u>
3 <u>R92/1544-003</u>	<u>SIGNORE, INC</u> <u>METALS</u> <u>4/15/92 1:30</u>		<u>Metals</u>	<u>1163</u> <u>X</u>		<u>6</u>
4 <u>R92/1544-004</u>	<u>SIGNORE, INC</u> <u>SOL ALUMINIUM</u> <u>4/15/92 1:30</u>		<u>SOL. AL</u> <u>Needs in-lab filtering</u>			<u>6</u>
5	/ / :					

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each	<u>6</u>					<u>1</u>					

Additional Analytes \_\_\_\_\_

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

\* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_(X), \_\_\_\_\_(Y).





A Full Service Environmental Laboratory

JUNE 3 1992

Mr. Fletcher Ward  
Signore Inc.  
43 Jefferson St. P.O. Box 1448  
Ellicottville, NY 14731-1448

Re: Stripper Well

Dear Mr. Fletcher Ward

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

A handwritten signature in cursive script, appearing to read "V. Maximciuc".

Vladimir Maximciuc  
Customer Service Representative

Enc.

Effective 10/1/91

GTC LIST OF QUALIFIERS

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- \* - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/01794

Date: JUNE 3 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St. P.O. Box 1448  
 Ellicottville, NY 14731-1448

Sample(s) Reference

Stripper Well

Received

: 05/05/92

P.O. #:

VOLATILES BY EPA METHOD 8240\* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002						
Location:	Influent	Effluent						
	Stripper	Stripper						
Date Collected:	05/04/92	05/04/92						
Time Collected:	12:30	12:30						
-----								
Date Analyzed:	05/12/92	05/18/92						
Dilution:	1	1						
1,1,1-Trichloroethane	18	1.0 U						
Trichloroethene	27	1.0 U						
Tetrachloroethene	4.5	1.0 U						
Surrogate Standard Recoveries								
-----								
1,2-Dichloroethane-d4	102	82						
(Acceptance limits: 76-114%)								
Toluene d8	97	95						
(Acceptance limits 88-110%)								
4-Bromofluorobenzene	99	90						
(Acceptance limits 86-115%)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145  
 NJ ID# in Rochester: 73331  
 NJ ID# in Hackensack: 02317  
 NY ID# in Hackensack: 10801

Laboratory Director

# GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street    85 Trinity Place    435 Lawrence Bell Drive    GTC Job No. R92/1794  
 Rochester, NY 14608    Hackensack, NJ 07601    Amherst, NY 14221-7077    Client Project No. \_\_\_\_\_

**Sample Origination & Shipping Information**

Collection Site SIGWORE, INC STRIPPER WELL  
 Address 43 JEFFERSON STREET ELICOTTVILLE NY 14731  
Street City State Zip  
 Collector FLETCHER E WARD Fletcher E Ward  
Print Signature

Bottles Prepared by GTC-INC Rec'd by Client  
 Bottles Shipped to Client via UPS Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via UPS-Next Day Seal/Shipping # \_\_\_\_\_

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign <u>Fletcher Ward</u>	1. Sign	/ /
for <u>Signature Inc</u>	for	:
2. Sign	2. Sign	/ /
for	for	:
3. Sign	3. Sign	/ /
for	for	:

Sample(s) Received in Laboratory by Tom Hastings 515192 @ 09:30

	Client I.D.#	Sample Location	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep				Bottle Set(s) (see below)
	Lab#	Date/Time			Preserved		Filtered		
					Y	N	Y	N	
1	<u>R92/1794-001</u>	<u>SIGWORE STRIPPER WELL INFLUENT</u>		<u>524.7</u>	X			X	<u>1</u>
		<u>5/4/92 12:30pm</u>							
2	<u>R92/1794-002</u>	<u>SIGWORE STRIPPER WELL EFFLUENT</u>		<u>524.2</u>	X			X	<u>1</u>
		<u>5/4/92 12:30pm</u>							
3		/ / :							
4		/ / :							
5		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each	<u>3</u>										

Additional Analytes \_\_\_\_\_

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.  
 \* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_(X), \_\_\_\_\_(Y).

RECEIVED JUL 30 1992



A Full Service Environmental Laboratory

JUNE 24 1992

Mr. Fletcher Ward  
Signore Inc.  
43 Jefferson St.  
Ellicottville, NY 14731-1448

Re: Interceptor Well

Dear Mr. Fletcher Ward

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

A handwritten signature in cursive script, appearing to read "Sue Lochner".

Sue Lochner  
Customer Service Manager

Enc.

Effective 10/1/91

GTC LIST OF QUALIFIERS

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- \* - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/02296

Date: JUNE 24 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St.  
 Ellicottville, NY 14731-1448

Sample(s) Reference

Interceptor Well

Received

: 06/02/92

P.O. #:

HSL VOLATILES BY EPA METHOD 8240*		ANALYTICAL RESULTS - ug/l					
Sample:	-001	-002					
Location:	Influent	Effluent					
Date Collected:	06/01/92	06/01/92					
Time Collected:	13:30	13:30					
-----							
Date Analyzed:	06/09/92	06/09/92					
1,1,1-Trichloroethane	9.2	1.0 U					
Trichloroethene	19	1.0 U					
Tetrachloroethane	4.2	1.0 U					
Surrogate Standard Recoveries							
-----							
1,2-Dichloroethane-d4 (Acceptance Limits: 76-114%)	108	105					
Toluene d8 (Acceptance Limits: 88-110%)	103	101					
4-Bromofluorobenzene (Acceptance Limits: 86-115%)	99	100					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145  
 NJ ID# in Rochester: 73331  
 NJ ID# in Hackensack: 02317  
 NY ID# in Hackensack: 10801

*Michael K. Perry*  
 \_\_\_\_\_  
 Laboratory Director

**GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD**

710 Exchange Street    85 Trinity Place    435 Lawrence Bell Drive    GTC Job No. R92/2296  
 Rochester, NY 14608    Hackensack, NJ 07601    Amherst, NY 14221-7077    Client Project No. \_\_\_\_\_

Sample Origination & Shipping Information

Collection Site SIGNORE, INC  
 Address 43 SEFFERSON ST, ELICOTTVILLE N.Y. 14231  
Street City State Zip  
 Collector FLETCHER E WARD Fletcher E Ward  
Print Signature

Bottles Prepared by GTC-MC    Rec'd by Client  
 Bottles Shipped to Client via UPS    Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via UPS    Seal/Shipping # \_\_\_\_\_

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign <u>Fletcher E Ward</u> for <u>SIGNORE, INC</u>	1. Sign _____ for _____	/ / : :
2. Sign _____ for _____	2. Sign _____ for _____	/ / : :
3. Sign _____ for _____	3. Sign _____ for _____	/ / : :

Sample(s) Received in Laboratory by [Signature] 6/2/92 @ 09:30

Client I.D.# Lab#	Sample Location Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep				Bottle Set(s) (see below)
				Preserved Y N	Filtered Y N			
1 R92/2296-001	<u>Effluent</u> 6/1/92 1:30		<u>EFFLUENT</u> <u>DOA'S</u> <u>5/4/2</u> <small>L.L. P240</small>	X		X	1	
2 R92/2296-002	<u>Effluent</u> 6/1/92 1:30		<u>EFFLUENT</u> <u>DOA'S</u> <u>5/4/2</u> <small>L.L. P240</small>	X		X	↓	
3	/ / :							
4	/ / :							
5	/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each	<u>3</u>										

Additional Analytes \_\_\_\_\_

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.  
 \* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_ (X), \_\_\_\_\_ (Y).



General  
Testing  
Corporation



A Full Service Environmental Laboratory

JULY 8 1992

Mr. Fletcher Ward  
Signore Inc.  
43 Jefferson St.  
Ellicotville, New York 14731-1448

Re: Interceptor Well

Dear Mr. Fletcher Ward

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Vladimir Maximciuc  
Customer Service Representative

Enc.

Effective 10/1/91

GTC LIST OF QUALIFIERS

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- \* - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/02545

Date: JULY 8 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St.  
 Ellicottville, New York 14731-1448

Sample(s) Reference

Interceptor Well

Received

: 06/16/92

P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003					
Location:	Influent	Effluent	Effluent					
	Strip Well	Strip Well	Strip Well					
Date Collected:	06/15/92	06/15/92	06/15/92					
Time Collected:	10:00	10:00	10:00					
Aluminum, Soluble			0.100 U					
Chromium		0.050 U						
Copper		0.020 U						
Iron		0.050 U						
Lead		0.050 U						
Manganese		0.010 U						
Nickel		0.040 U						
Zinc		0.010 U						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

- NY ID# in Rochester: 10145
- NJ ID# in Rochester: 73331
- NJ ID# in Hackensack: 02317
- NY ID# in Hackensack: 10801

*Michael K. Perry*

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/02545

Date: JULY 8 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St.  
 Ellicottville, New York 14731-1448

Sample(s) Reference

Interceptor Well

Received

: 06/16/92

P.O. #:

VOLATILES BY EPA METHOD 8240\* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003					
Location:	Influent	Effluent	Effluent					
	Strip Wel	Strip Well	Strip Well					
Date Collected:	06/15/92	06/15/92	06/15/95					
Time Collected:	10:00	10:00	10:00					
-----								
Date Analyzed:	06/24/92	06/24/92						
Diluiton:	1	1						
Vinyl Chloride	1.0 U	1.0 U						
Chloroethane	1.0 U	1.0 U						
Trans-1,2-Dichloroethene	1.0 U	1.0 U						
1,1,1-Trichloroethane	9.9	1.0 U						
Trichloroethene	18	1.0 U						
Tetrachloroethene	3.9	1.0 U						
1,1-Dichloroethane	1.2	1.0 U						
-----								
Surrogate Standard Recoveries								
-----								
1,2-Dichloroethane-d4	103	100						
(Acceptance limits: 76-114%)								
Toluene d8	100	103						
(Acceptance limits 88-110%)								
4-Bromofluorobenzene	106	104						
(Acceptance limits 86-115%)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.  
 NY ID# in Rochester: 10145  
 NJ ID# in Rochester: 73331  
 NJ ID# in Hackensack: 02317  
 NY ID# in Hackensack: 10801

*Michael K. Perry*

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/02545

Date: JULY 8 1992

Client:

Sample(s) Reference

Signore Inc.

Interceptor Well

Date Received: 06/16/92

Date Sample Taken: 06/15/92

LABORATORY CHRONICLE  
DATE ANALYZED

Sample:	-001	-002	-003						
Location:	Influent	Effluent	Effluent						
	Strip Well	Strip Well	Strip Well						
Aluminum, Soluble			06/18/92						
Chromium		06/29/92							
Copper		06/25/92							
Iron		06/25/92							
Lead		06/24/92							
Manganese		06/29/92							
Nickel		06/25/92							
Zinc		06/22/92							

# GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street    85 Trinity Place    435 Lawrence Bell Drive    GTC Job No. R92/2545  
 Rochester, NY 14608    Hackensack, NJ 07601    Amherst, NY 14221-7077    Client Project No. \_\_\_\_\_

**Sample Origination & Shipping Information**

Collection Site SIGMORE, INC STRIPPER WELL  
 Address 43 JEFFERSON STREET ELICOTTVILLE, NY 14731  
Street City State Zip  
 Collector FLETCHER WARD Fletcher Ward  
Print Signature

Bottles Prepared by GTC-MC    Rec'd by Client  
 Bottles Shipped to Client via UPS    Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via UPS    Seal/Shipping # \_\_\_\_\_

Sample(s) Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time \_\_\_\_\_

1. Sign	<u>Fletcher Ward</u>	1. Sign	
for	<u>SIGMORE, INC</u>	for	:
2. Sign		2. Sign	
for		for	:
3. Sign		3. Sign	
for		for	:

Sample(s) Received in Laboratory by Tom Hastings 6/16/92 0930  
6/15/92 @ 74:15

Client I.D.# Lab#	Sample Location Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep				Bottle Set(s) (see below)
				Preserved Y N	Filtered Y N			
1 <u>292/2545-001</u>	<u>EFFLUENT STRIPPER WELL</u> <u>6/15/92 10:AM</u>		<u>524.2 DOAS</u>	X		X		
2 <u>292/2545-002</u>	<u>EFFLUENT STRIPPER WELL</u> <u>6/15/92 10:AM</u>		<u>524.2 DOAS</u>	X		X		
3	<u>EFFLUENT STRIPPER WELL</u> <u>6/15/92 10:AM</u>		<u>CE, CU, FE, PB, MNO, NI, ZN</u> <u>METALS</u>	X		X	<u>7, 6</u>	
4	:							
5	:							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each	6					1	1				

Additional Analytes SOL. AL to be in-lab filtered.

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

\* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_ (X), \_\_\_\_\_ (Y).



RECEIVED AUG 17 1992

A Full Service Environmental Laboratory

AUG. 11 1992

Mr. Fletcher Ward  
Signore Inc.  
43 Jefferson St., P.O. Box 1448  
Ellicottville, NY 14731-1448

Re: Stripper Well


Dear Mr. Fletcher Ward

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

  
Marshall Shannon  
Customer Service Director

Enc.

cc: Mr. Jeff Shick  
Groundwater Assoc.

Effective 10/1/91

GTC LIST OF QUALIFIERS

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- \* - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.





A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03052

Date: AUG. 11 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St., P.O. Box 1448  
 Ellicottville, NY 14731-1448

Sample(s) Reference

Stripper Well

Received

: 07/20/92

P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003					
Location:	INFLUENT	EFFLUENT	EFFLUENT					
Date Collected:	07/17/92	07/17/92	07/17/92					
Time Collected:	10:00	10:00	10:00					
Aluminum, Soluble			0.100 U					
Chromium		0.010 U						
Copper		0.020 U						
Iron		0.068						
Lead		0.050 U						
Manganese		0.010 U						
Nickel		0.020 U						
Zinc		0.010 U						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

- NY ID# in Rochester: 10145
- NJ ID# in Rochester: 73331
- NJ ID# in Hackensack: 02317
- NY ID# in Hackensack: 10801

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03052

Date: AUG. 12 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St., P.O. Box 144  
 Ellicottville, NY 14731-1448

Sample(s) Reference

Stripper Well

Received

: 07/20/92

P.O. #:

VOLATILES BY EPA METHOD 8240\* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003					
Location:	INFLUENT	EFFLUENT	EFFLUENT					
Date Collected:	07/17/92	07/17/92	07/17/92					
Time Collected:	10:00	10:00	10:00					
Date Analyzed:	07/23/92	07/23/92						
Dilution:	1	1						
Vinyl Chloride	0.5 U	0.5 U						
Chloroethane	0.5 U	0.5 U						
1,1-Dichloroethane	1.2	0.5 U						
trans-1,2-Dichloroethene	0.5 U	0.5 U						
1,1,1-Trichloroethane	11	0.5 U						
Trichloroethene	17	0.6						
Tetrachloroethene	3.7	0.5 U						
Surrogate Standard Recoveries								
-----								
1,2-Dichloroethane-d4	96	97						
(Acceptance limits: 76-114%)								
Toluene d8	98	95						
(Acceptance limits 88-110%)								
4-Bromofluorobenzene	105	103						
(Acceptance limits 86-115%)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145  
 NJ ID# in Rochester: 73331  
 NJ ID# in Hackensack: 02317  
 NY ID# in Hackensack: 10801

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03052

Date: AUG. 11 1992

Client:

Sample(s) Reference

Signore Inc.

Stripper Well

Date Received: 07/20/92

Date Sample Taken: 07/17/92

LABORATORY CHRONICLE  
DATE ANALYZED

Sample:	-001	-002	-003					
Location:	INFLUENT	EFFLUENT	EFFLUENT					
Aluminum, Soluble			07/23/92					
Chromium		08/04/92						
Copper		07/26/92						
Iron		07/27/92						
Lead		07/24/92						
Manganese		07/28/92						
Nickel		07/24/92						
Zinc		07/24/92						



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03052

Date: AUG. 11 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St., P.O. Box 1448  
 Ellicottville, NY 14731-1448

Sample(s) Reference

Stripper Well

Received

: 07/20/92

P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003					
Location:	INFLUENT	EFFLUENT	EFFLUENT					
Date Collected:	07/17/92	07/17/92	07/17/92					
Time Collected:	10:00	10:00	10:00					
Aluminum, Soluble			0.100 U					
Chromium		0.010 U						
Copper		0.020 U						
Iron		0.068						
Lead		0.050 U						
Manganese		0.010 U						
Nickel		0.020 U						
Zinc		0.010 U						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

- NY ID# in Rochester: 10145
- NJ ID# in Rochester: 73331
- NJ ID# in Hackensack: 02317
- NY ID# in Hackensack: 10801

*Michael K. Perry*  
 Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03052

Date: AUG. 12 1992

Sample(s) Reference

Stripper Well

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St., P.O. Box 144  
 Ellicottville, NY 14731-1448

P.O. #:

: 07/20/92

Received

VOLATILES BY EPA METHOD 8240\* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003				
Location:	INFLUENT	EFFLUENT	EFFLUENT				
Date Collected:	07/17/92	07/17/92	07/17/92				
Time Collected:	10:00	10:00	10:00				
Date Analyzed:	07/23/92	07/23/92					
Dilution:	1	1					
Vinyl Chloride	0.5 U	0.5 U					
Chloroethane	0.5 U	0.5 U					
1,1-Dichloroethane	1.2	0.5 U					
trans-1,2-Dichloroethene	0.5 U	0.5 U					
1,1,1-Trichloroethane	11	0.5 U					
Trichloroethene	17	0.6					
Tetrachloroethene	3.7	0.5 U					
Surrogate Standard Recoveries							
1,2-Dichloroethane-d4 (Acceptance limits: 76-114%)	96	97					
Toluene d8 (Acceptance limits 88-110%)	98	95					
4-Bromofluorobenzene (Acceptance limits 86-115%)	105	103					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145  
 NJ ID# in Rochester: 73331  
 NJ ID# in Hackensack: 02317  
 NY ID# in Hackensack: 10801

*Michael K. Perry*

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03052

Date: AUG. 11 1992

Client:

Sample(s) Reference

Signore Inc.

Stripper Well

Date Received: 07/20/92

Date Sample Taken: 07/17/92

LABORATORY CHRONICLE  
DATE ANALYZED

Sample: Location:	-001 INFLUENT	-002 EFFLUENT	-003 EFFLUENT					
Aluminum, Soluble			07/23/92					
Chromium		08/04/92						
Copper		07/26/92						
Iron		07/27/92						
Lead		07/24/92						
Manganese		07/28/92						
Nickel		07/24/92						
Zinc		07/24/92						

# GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street    85 Trinity Place    435 Lawrence Bell Drive    GTC Job No. R92/3052  
 Rochester, NY 14608    Hackensack, NJ 07601    Amherst, NY 14221-7077    Client Project No. \_\_\_\_\_

**Sample Origination & Shipping Information**

Collection Site SIGNORE, INC STRIPPER WELL  
 Address 43 JEFFERSON STREET ELICOTTVILLE, NY 14731  
Street City State Zip  
 Collector FLETCHER E WARD Fletcher E Ward  
Print Signature

Bottles Prepared by GTC-MC    Rec'd by Client  
 Bottles Shipped to Client via \_\_\_\_\_    Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via UPS    Seal/Shipping # \_\_\_\_\_

**Sample(s) Relinquished by:**

1. Sign	Received by:	Date/Time
for <u>Fletcher E Ward</u> <u>SIGNORE, INC</u>	1. Sign	/ /
2. Sign	2. Sign	/ /
3. Sign	3. Sign	/ /

Sample(s) Received in Laboratory by [Signature] 7/20/92 @ 09:30

Client I.D.# Lab#	Sample Location Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep		Bottle Set(s) (see below)
				Preserved Y N	Filtered Y N	
1 R92/3052-001	<del>7/17/92</del> INFLUENT - STRIPPER 7/17/92 10AM		<u>24.2</u> <u>8240-L</u>	HCL	X	1
2 R92/3052-002	EFFLUENT - STRIPPER 7/17/92 10AM		<u>24.2</u>	HCL	X	↓
3 R92/3052-002	EFFLUENT STRIPPER 7/17/92 10AM		<u>METALS</u>	<u>HNO3</u>	X	7
4 R92/3052-003	EFFLUENT STRIPPER 7/17/92 10AM		<u>Aluminum</u>		X	7
5	/ /					

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each	<u>3</u>						<u>1</u>				

Additional Analytes \_\_\_\_\_

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

\* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_(X), \_\_\_\_\_(Y).



A Full Service Environmental Laboratory

AUG. 25 1992

Mr. Fletcher Ward  
Signore Inc.  
43 Jefferson St.  
Ellicottville, New York 14731

Re: Stripper Well

Dear Mr. Fletcher Ward

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

VM/Σ

Vladimir Maximciuc  
Customer Service Representative

Enc.

cc: Mr. Jeff Schick  
Ground Water Associates



Effective 10/1/91

GTC LIST OF QUALIFIERS

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- D - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03272

Date: AUG. 25 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St.  
 Ellicottville, New York 14731

Sample(s) Reference

Stripper Well

Received

: 08/04/92

P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003					
Location:	Stripper well inf.	Stripper well eff.	Stripper well eff.					
Date Collected:	08/03/92	08/03/92	08/03/92					
Time Collected:	11:30	11:30	11:30					
Aluminum, Soluble			0.100 U					
Chromium		0.010 U						
Copper		0.020 U						
Iron		0.100 U						
Lead		0.050 U						
Manganese		0.0050 U						
Nickel		0.040 U						
Zinc		0.010 U						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

- NY ID# in Rochester: 10145
- NJ ID# in Rochester: 73331
- NJ ID# in Hackensack: 02317
- NY ID# in Hackensack: 10801

*Michael K. Perry*

Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03272

Date: SEPT 22 1992

Client:

Mr. Fletcher Ward  
 Signore Inc.  
 43 Jefferson St.  
 Ellicottville, New York 14731

Sample(s) Reference

Stripper Well  
 \*\*\*CORRECTED COPY\*\*\*

Received

: 08/04/92

P.O. #:

VOLATILES BY EPA METHOD 8240\* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003					
Location:	Stripper well inf.	Stripper well eff.	Stripper well eff.					
Date Collected:	08/03/92	08/03/92	08/03/92					
Time Collected:	11:30	11:30	11:30					
Date Analyzed:	08/17/92	08/17/92						
Dilution:	1	1						
Vinyl Chloride	0.5 U	0.5 U						
Chloroethane	0.5 U	0.5 U						
1,1-Dichloroethane	0.93	0.5 U						
trans-1,2-Dichloroethene	0.5 U	0.5 U						
1,1,1-Trichloroethane	8.4	0.5 U						
Trichloroethene	14	0.58						
Tetrachloroethene	3.9	0.5 U						
Surrogate Standard Recoveries								
1,2-Dichloroethane-d4 (Acceptance limits: 76-114%)	91	83						
4-Bromofluorobenzene (Acceptance limits 86-115%)	97	89						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145  
 NJ ID# in Rochester: 73331  
 NJ ID# in Hackensack: 02317  
 NY ID# in Hackensack: 10801

*Michael K. Perry*  
 Laboratory Director



A Full Service Environmental Laboratory  
LABORATORY REPORT

Job No: R92/03272

Date: AUG. 25 1992

Client:

Sample(s) Reference

Signore Inc.

Stripper Well

Date Received: 08/04/92

Date Sample Taken: 08/03/92

LABORATORY CHRONICLE  
DATE ANALYZED

Sample:	-001	-002	-003					
Location:	Stripper well inf.	Stripper well eff.	Stripper well eff.					
Aluminum, Soluble			08/07/92					
Chromium		08/11/92						
Copper		08/11/92						
Iron		08/11/92						
Lead		08/11/92						
Manganese		08/11/92						
Nickel		08/11/92						
Zinc		08/11/92						

## GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street    85 Trinity Place    435 Lawrence Bell Drive    GTC Job No. R92/3272  
 Rochester, NY 14608    Hackensack, NJ 07601    Amherst, NY 14221-7077    Client Project No. \_\_\_\_\_

**Sample Origination & Shipping Information**

Collection Site SIGNORE INC STRIPPED WELL  
 Address 43 JEFFERSON STREET ELICOTTVILLE, NY 14712  
Street City State Zip  
 Collector FLETCHER E WARD Fletcher E Ward  
Print Signature

Bottles Prepared by GTC-MC    Rec'd by Client  
 Bottles Shipped to Client via UPS    Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via UPS    Seal/Shipping # \_\_\_\_\_

**Sample(s) Relinquished by:**

1. Sign	Received by:	Date/Time
for <u>Fletcher Ward</u>	1. Sign	/ /
for <u>Signore, Inc</u>	for	:
2. Sign	2. Sign	/ /
for	for	:
3. Sign	3. Sign	/ /
for	for	:

Sample(s) Received in Laboratory by Tom Hastings    814 192 @ 09:30

Client I.D.#	Sample Location	* Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep				Bottle Set(s) (see below)
			Preserved	Filtered	Y	N	
1	<u>SIGNORE INC STRIPPED WELL</u> <u>8'3'92 : 11:30am</u>	<u>8240 Low LEVEL</u>	X			X	1
2	<u>SIGNORE, INC STRIPPED WELL</u> <u>8'3'92 : 11:30am</u>	<u>8240 Low LEVEL</u>	X			X	1
3	<u>SIGNORE, INC STRIPPED WELL</u> <u>8'3'92 : 11:30am</u>	<u>Zn, Cd, Cu, Fe, Pb, Mn, Ni</u>			X	X	6
4	<u>SIGNORE, INC STRIPPED WELL</u> <u>8'3'92 : 11:30am</u>	<u>AL DISSOLVED (ALSOL)</u>	X			X	6
5	/ / :						

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each	3					1					

Additional Analytes \_\_\_\_\_

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

\* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_(X), \_\_\_\_\_(Y).

General  
Testing  
Corporation



A Full Service Environmental Laboratory

SEPT 18 1992

Mr. James Fitzpatrick  
Signore Inc.  
43 Jefferson St.  
Ellicottville, New York 14731

Re: Stripper Well

Dear Mr. James Fitzpatrick

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

A handwritten signature in cursive script, appearing to read 'Marshall Shannon'. The signature is written in dark ink and is positioned above the printed name.

Marshall Shannon  
Customer Service Director

Enc.

cc: Mr. Jeff Schick  
Groundwater Associates  
771 Brooksedge Plaza Dr.  
Westerville, OH 43081

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- \* - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03609

Date: SEPT 18 1992

Client:

Mr. James Fitzpatrick  
 Signore Inc.  
 43 Jefferson St.  
 Ellicottville, New York 14731

Sample(s) Reference

Stripper Well

Received

: 08/24/92

P.O. #: P005959-00

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003				
Location:	INFLUENT	EFFLUENT	EFFLUENT				
Date Collected:	08/21/92	08/21/92	08/21/92				
Time Collected:	11:00	11:00	11:00				
Aluminum, Soluble			0.100 U				
Chromium		0.050 U					
Copper		0.020 U					
Iron		0.050 U					
Lead		0.0100 U					
Manganese		0.010 U					
Nickel		0.040 U					
Zinc		0.010 U					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

- NY ID# in Rochester: 10145
- NJ ID# in Rochester: 73331
- NJ ID# in Hackensack: 02317
- NY ID# in Hackensack: 10801

*Michael K. Perry*

Laboratory Director





A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03609

Date: SEPT 18 1992

Client:

Mr. James Fitzpatrick  
 Signore Inc.  
 43 Jefferson St.  
 Ellicottville, New York 14731

Sample(s) Reference

Stripper Well

Received

: 08/24/92

P.O. #: P005959-00

VOLATILES BY EPA METHOD 8240\* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003					
Location:	INFLUENT	EFFLUENT	EFFLUENT					
Date Collected:	08/21/92	08/21/92	08/21/92					
Time Collected:	11:00	11:00	11:00					
Date Analyzed:	09/04/92	09/04/92						
Dilution:	1	1						
Chloroethane	0.5 U	0.5 U						
1,1-Dichloroethane	2.0	0.5 U						
trans-1,2-Dichloroethene	0.5 U	0.5 U						
Tetrachloroethene	5.6	0.5 U						
1,1,1-Trichloroethane	11	0.5 U						
Trichloroethene	17	0.5 U						
Vinyl Chloride	0.5 U	0.5 U						
Surrogate Standard Recoveries								
-----								
1,2-Dichloroethane-d4 (Acceptance limits: 76-114%)	92	88						
Toluene d8 (Acceptance limits 88-110%)	109	107						
4-Bromofluorobenzene (Acceptance limits 86-115%)	96	95						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145  
 NJ ID# in Rochester: 73331  
 NJ ID# in Hackensack: 02317  
 NY ID# in Hackensack: 10801

*Michael K. Perry*  
 Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03609

Date: SEPT 18 1992

Client:

Sample(s) Reference

Signore Inc.

Stripper Well

Date Received: 08/24/92

Date Sample Taken: 08/21/92

LABORATORY CHRONICLE  
DATE ANALYZED

Sample:	-001	-002	-003					
Location:	INFLUENT	EFFLUENT	EFFLUENT					
Aluminum, Soluble			08/27/92					
Chromium		09/02/92						
Copper		08/27/92						
Iron		08/27/92						
Lead		08/27/92						
Manganese		08/27/92						
Nickel		08/27/92						
Zinc		08/31/92						

## GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street    85 Trinity Place    435 Lawrence Bell Drive    GTC Job No. R92/3609  
 Rochester, NY 14608    Hackensack, NJ 07601    Amherst, NY 14221-7077    Client Project No. \_\_\_\_\_

**Sample Origination & Shipping Information**

Collection Site SIGNORE, TUC  
 Address 43 JEFFERSON ST ELICOTTVILLE, NY 14231  
Street City State Zip  
 Collector FLETCHER E WARD Fletcher E Ward  
Print Signature  
 Bottles Prepared by GTC-MC Rec'd by Client  
 Bottles Shipped to Client via WPS Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via WPS Seal/Shipping # \_\_\_\_\_

**Sample(s) Relinquished by:**

1. Sign	Received by:	Date/Time
for <u>Fletcher Ward</u>	1. Sign	/ /
for <u>SIGNORE, TUC</u>	for	:
2. Sign	2. Sign	/ /
for	for	:
3. Sign	3. Sign	/ /
for	for	:

Sample(s) Received in Laboratory by Tom Hastings 8/24/92 @ 09:00

Client I.D.# <small>Lab#</small>	Sample Location <small>Date/Time</small>	*	Analyte or Analyte Group(s) Required <small>(see below for additional)</small>	Sample Prep				Bottle Set(s) <small>(see below)</small>
				Preserved		Filtered		
				Y	N	Y	N	
1 <u>R92/3609</u> <u>001</u>	<u>SIGNORE STRIPPER</u> <u>WELL - INFLUENT</u> <u>8/21/92 11:AM</u>		<u>8240 UOAS</u>	X			X	1
2 <u>R92/3609</u> <u>002</u>	<u>SIGNORE STRIPPER</u> <u>WELL - EFFLUENT</u> <u>8/21/92 11AM</u>		<u>8240 UOAS</u>	X			X	↓
3 <u>R92/3609</u> <u>002</u>	<u>SIGNORE STRIPPER</u> <u>WELL EFFLUENT</u> <u>8/21/92 11AM</u>		<u>METALS</u>	X			X	7
4 <u>R92/3609</u> <u>003</u>	<u>SIGNORE STRIPPER</u> <u>WELL EFFLUENT</u> <u>8/21/92 11:AM</u>		<u>AL (DISSOLVED)</u>				X	6
5	/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each	2					1	1				

Additional Analytes \_\_\_\_\_

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.  
 \* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_ (X), \_\_\_\_\_ (Y).



A Full Service Environmental Laboratory

SEPT 22 1992

Mr. James Fitzpatrick  
Signore Inc.  
43 Jefferson St.  
Ellicottville, New York 14731

Re: Stripper System

Dear Mr. James Fitzpatrick

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

A handwritten signature in cursive script, appearing to read "Marshall Shannon".

Marshall Shannon  
Customer Service Director

Enc.

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- \* - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
- Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/03868

Date: SEPT 22 1992

Client:

Mr. James Fitzpatrick  
 Signore Inc.  
 43 Jefferson St.  
 Ellicottville, New York 14731

Sample(s) Reference

Stripper System

Received

: 09/04/92

P.O. #: PO05959-00

VOLATILES BY EPA METHOD 8240\*

ANALYTICAL RESULTS - ug/l

Sample:	-001	-002					
Location:	INFLUENT	EFFLUENT					
Date Collected:	09/03/92	09/03/92					
Time Collected:	08:45	08:45					
-----							
Date Analyzed:	09/15/92	09/15/92					
Dilution:	1	1					
1,1,1-Trichloroethane	8.4	0.5 U					
Trichloroethene	15	0.5 U					
Tetrachloroethene	3.4	0.5 U					
-----							
Surrogate Standard Recoveries							
-----							
1,2-Dichloroethane-d4	100	96					
(Acceptance limits: 76-114%)							
Toluene d8	103	104					
(Acceptance limits 88-110%)							
4-Bromofluorobenzene	90	90					
(Acceptance limits 86-115%)							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

- NY ID# in Rochester: 10145
- NJ ID# in Rochester: 73331
- NJ ID# in Hackensack: 02317
- NY ID# in Hackensack: 10801

*Michael K. Perry*  
 Laboratory Director

## GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street    85 Trinity Place    435 Lawrence Bell Drive    GTC Job No. R92/3868  
 Rochester, NY 14608    Hackensack, NJ 07601    Amherst, NY 14221-7077    Client Project No. \_\_\_\_\_

**Sample Origination & Shipping Information**

Collection Site SIGNORE TWC  
 Address 43 JEFFERSON STREET  
 Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Collector ELLICOTTVILLE, NY 14231  
 Print FLETCHER E WARD Signature \_\_\_\_\_

Bottles Prepared by GTC-29 Rec'd by Client  
 Bottles Shipped to Client via UPS Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via X UPS-Next Day Seal/Shipping # \_\_\_\_\_

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign <u>X Fletcher E Ward</u>	1. Sign <u>B Bone</u>	<u>9/14/192</u>
for <u>X SIGNORE</u>	for <u>GTC</u>	<u>09:05</u>
2. Sign _____	2. Sign _____	<u>1 1</u>
for _____	for _____	<u>:</u>
3. Sign _____	3. Sign _____	<u>1 1</u>
for _____	for _____	<u>:</u>

Sample(s) Received in Laboratory by B Bone 9/14/192 @ 09:05

Client I.D.# Lab#	Sample Location Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep				Bottle Set(s) (see below)
				Preserved Y N	Filtered Y N			
1 INFLUENT -001	SIGNORE STRIPPER WELL 9/13/192 8:45am		8240-LL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			1
2 EFFLUENT -002	SIGNORE STRIPPER WELL 9/13/192 8:45		↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			↓
3 ON HOLD	1 1 :		ON HOLD					↓
4	1 1 :							
5	1 1 :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each	2										

Additional Analytes \_\_\_\_\_

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

\* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_(X), \_\_\_\_\_(Y).

RECEIVED OCT 19 1992



A Full Service Environmental Laboratory

OCT. 14 1992

Mr. James Fitzpatrick  
Signore Inc.  
43 Jefferson St., PO Box 1448  
Elliottville, NY 14731

Re: Stripper Well

Dear Mr. James Fitzpatrick

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

A handwritten signature in black ink, appearing to read "Marshall Shannon", written over a horizontal line.

Marshall Shannon  
Customer Service Director

Enc.

cc: Mr. Jeff Schick



GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- \* - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/04183

Date: OCT. 14 1992

Client:

Mr. James Fitzpatrick  
 Signore Inc.  
 43 Jefferson St., PO Box 1448  
 Elliottville, NY 14731

Sample(s) Reference

Stripper Well

Received

: 09/24/92

P.O. #: P005959-00

VOLATILES BY EPA METHOD 8240\* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003					
Location:	INFLUENT	EFFLUENT	EFFLUENT					
Date Collected:	09/23/92	09/23/92	09/23/92					
Time Collected:	08:30	08:30	08:30					
-----								
Date Analyzed:	10/01/92	10/01/92						
Dilution:	1	1						
Vinyl Chloride	0.5 U	0.5 U						
Chloroethane	0.5 U	0.5 U						
1,1-Dichloroethane	0.8	0.5 U						
Total-1,2-Dichloroethene	0.5 U	0.5 U						
1,1,1-Trichloroethane	8.8	0.5 U						
Trichloroethene	13	0.5 U						
Tetrachloroethene	3.3	0.5 U						
-----								
Surrogate Standard Recoveries								
-----								
1,2-Dichloroethane-d4	97	86						
(Acceptance limits: 76-114%)								
4-Bromofluorobenzene	109	100						
(Acceptance limits 86-115%)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145  
 NJ ID# in Rochester: 73331  
 NJ ID# in Hackensack: 02317  
 NY ID# in Hackensack: 10801

*M. J. K...*  
 Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/04183

Date: OCT. 14 1992

Client:

Mr. James Fitzpatrick  
 Signore Inc.  
 43 Jefferson St., PO Box 1448  
 Elliottville, NY 14731

Sample(s) Reference

Stripper Well

Received

: 09/24/92

P.O. #: PO05959-00

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003				
Location:	INFLUENT	EFFLUENT	EFFLUENT				
Date Collected:	09/23/92	09/23/92	09/23/92				
Time Collected:	08:30	08:30	08:30				
Aluminum, Soluble			0.100 U				
Chromium		0.010 U					
Copper		0.020 U					
Iron		0.100 U					
Lead		0.0010 U					
Manganese		0.0050 U					
Nickel		0.040 U					
Zinc		0.0186					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

- NY ID# in Rochester: 10145
- NJ ID# in Rochester: 73331
- NJ ID# in Hackensack: 02317
- NY ID# in Hackensack: 10801

*[Signature]*  
 Laboratory Director



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/04183

Date: OCT. 14 1992

Client:

Sample(s) Reference

Signore Inc.

Stripper Well

Date Received: 09/24/92

Date Sample Taken: 09/23/92

LABORATORY CHRONICLE  
DATE ANALYZED

Sample:	-001	-002	-003					
Location:	INFLUENT	EFFLUENT	EFFLUENT					
Aluminum, Soluble			10/07/92					
Chromium		09/29/92						
Copper		09/25/92						
Iron		09/29/92						
Lead		09/28/92						
Manganese		09/29/92						
Nickel		09/25/92						
Zinc		09/29/92						

# GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street    85 Trinity Place    435 Lawrence Bell Drive    GTC Job No. R92/4183  
 Rochester, NY 14608    Hackensack, NJ 07601    Amherst, NY 14221-7077    Client Project No. \_\_\_\_\_

**Sample Origination & Shipping Information**

Collection Site SIGNORE, Inc  
 Address 43 JEFFERSON ST ELICOTTVILLE NY 14231  
Street City State Zip  
 Collector FLETCHER WARD Fletcher C Ward  
Print Signature

Bottles Prepared by GTC-VG    Rec'd by CWard  
 Bottles Shipped to Client via UPS    Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via UPS - Next Day    Seal/Shipping # \_\_\_\_\_

**Sample(s) Relinquished by:**

1. Sign	Received by:	Date/Time
1. Sign <u>Fletcher C Ward</u>	1. Sign	<u>1 / 1</u>
for <u>Signore, Inc</u>	for	:
2. Sign	2. Sign	<u>1 / 1</u>
for	for	:
3. Sign	3. Sign	<u>1 / 1</u>
for	for	:

**Sample(s) Received in Laboratory by** \_\_\_\_\_

9 124192 @ 09:00

Client I.D.#	Sample Location	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep				Bottle Set(s) (see below)
				Preserved	Filtered	Y	N	
1	STRIPPER WELL SIGNORE INFLUENT		8240 ALL COAs	Y			X	1
2	STRIPPER WELL SIGNORE EFFLUENT		8240 ALL COAs	X			Y	1
3	STRIPPER WELL SIGNORE EFFLUENT		METALS			X	X	5
4	STRIPPER WELL SIGNORE EFFLUENT		Alum Dis.	Y			X	5
5	STRIPPER WELL SIGNORE EFFLUENT							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each											

Additional Analytes \_\_\_\_\_

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

\* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_(X), \_\_\_\_\_(Y).

RECEIVED NOV - 2 1992



A Full Service Environmental Laboratory

OCT. 26 1992

Mr. James Fitzpatrick  
Signore, Inc.  
43 Jefferson St.  
Ellicottville, NY 14731-1448

Re: Stripper System

Dear Mr. James Fitzpatrick

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

A handwritten signature in cursive script, appearing to read 'ms/sh', is written above the typed name.

Marshall Shannon  
Customer Service Director

Enc.

cc: Mr. Jeff Schick

GTC LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. For further explanation see case narrative / cover letter.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- N - Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analytes only)
- \* - Duplicate analysis not within control limits. (Flag the entire batch - Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M - Duplication injection precision not met (GFA only).
- S - Reported value determined by Method of Standard Additions. (MSA)
- X - As specified in the case narrative.



A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R92/04296

Date: OCT. 26 1992

Client:

Mr. James Fitzpatrick  
 Signore, Inc.  
 43 Jefferson St.  
 Ellicottville, NY 14731-1448

Sample(s) Reference:

Stripper System

Received

: 10/05/92

P.O. #: P005959-00

ANALYSIS * BY GC METHOD 8240			ANALYTICAL RESULTS - ug/l					
Sample:	-001	-002						
Location:	INFLUENT	EFFLUENT						
Date Collected:	10/02/92	10/02/92						
Time Collected:	13:30	13:30						
Date Analyzed:	10/13/92	10/13/92						
Dilution:	1	1						
Trichloroethene	15	0.5 U						
1,1,1-Trichloroethane	9.0	0.5 U						
Tetrachloroethene	3.1	0.5 U						
SURROGATE STANDARD RECOVERIES								
-----								
% Recovery								
Bromofluorobenzene	90	93						
1,2-Dichlorobenzene-d4	81	80						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

*Michael K. Perry*  
 Laboratory Director



# GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street 85 Trinity Place 435 Lawrence Bell Drive GTC Job No. R92/4296  
 Rochester, NY 14608 Hackensack, NJ 07601 Amherst, NY 14221-7077 Client Project No. \_\_\_\_\_

**Sample Origination & Shipping Information**

Collection Site X SIGNORE LOC  
 Address X 43 JEFFERSON ST, FELICITVILLE NY 14731  
Street City State Zip  
 Collector X FLETCHER WARD Fletcher Ward  
Print Signature

Bottles Prepared by GTC-29 Rec'd by Client  
 Bottles Shipped to Client via UPS Seal/Shipping # \_\_\_\_\_  
 Samples Shipped via X UPS NEXT DAY Seal/Shipping # \_\_\_\_\_

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign <u>X Fletcher Ward</u>	1. Sign	<u>1 / 1</u>
for <u>X SIGNORE LOC</u>	for	:
2. Sign	2. Sign	<u>1 / 1</u>
for	for	:
3. Sign	3. Sign	<u>1 / 1</u>
for	for	:

Sample(s) Received in Laboratory by B. Bowen 10/15/92 @ 09:15

Client I.D.# Lab#	Sample Location Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep		Bottle Set(s) (see below)
				Preserved Y N	Filtered Y N	
1 <u>R92/4296</u> <u>001</u>	<u>STRIPPER WELL</u> <u>INFLUENT</u> <u>10/2/92 1:30pm</u>		<u>8240-LL</u>	<u>X</u>	<u>Y</u>	<u>1</u>
2 <u>R92/4296</u> <u>002</u>	<u>STRIPPER WELL</u> <u>EFFLUENT</u> <u>10/2/92 1:30pm</u>		<u>↓</u>	<u>X</u>	<u>Y</u>	<u>↓</u>
3 <u>003</u>	<u>Trip Blank</u> <u>1 / 1 : -</u>		<u>DN HOLD</u>			<u>↓ *</u>
4	<u>1 / 1 :</u>					
5	<u>1 / 1 :</u>					

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each	<u>3</u>										

Additional Analytes \* 1 vial broken upon receipt

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.  
 \* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_ (X), \_\_\_\_\_ (Y).

RECEIVED

FEB 22 1993

NYS DEPT. OF  
ENVIRONMENTAL CONSERVATION  
REGION 2