### GROUND WATER ASSOCIATES, INC.

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 ( $\mu$ g/l). The highest VOC concentrations measured in any ground water sample from the Signore Facility are presented below.



Buffalo, New York

TCE =  $180 \mu g/1$ TCA =  $160 \mu g/1$ DCA =  $100 \mu g/1$ DCE =  $80 \mu g/1$ 

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 μg/1
1,1-Dichloroethane	$30 \mu g/1$
trans-1,2-Dichloroethene	$30 \mu g/1$
Tetrachloroethene	$40 \mu g/1$
1,1,1-Trichloroethane	$20 \mu g/1$
Trichloroethene	$11 \mu g/1$
Vinyl Chloride	$50 \mu g/1$
Dissolved Aluminum	$100 \ \mu g/1$
Total Chromium	$180 \mu g/1$
Total Copper	$10 \mu g/1$
Total Iron	$300 \mu g/1$
Total Lead	$3 \mu g/1$
Total Manganese	$4,800 \mu g/1$
Total Nickel	86 μg/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 ( $\mu g/l$ ). 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  $\mu$ g/1, 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  $\mu$ g/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  $\mu$ g/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  $\mu$ g/l, with only two of the samples above the 5  $\mu$ g/l MCL.
- 1,1,1-trichloroethane was detected in all twelve influent samples, at concentrations ranging from 8.4 to 48  $\mu$ g/l, and was detected in the first three of the twelve discharge samples, at concentrations ranging from 0.40 to 0.77  $\mu$ g/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  $\mu$ g/l. All the influent samples have been above the 5  $\mu$ g/l MCL.
- Trichloroethene was detected in all twelve influent samples, at concentrations ranging from 13 to 55  $\mu$ g/l, and was detected in five of the twelve discharge samples, at concentrations ranging from 0.6 to 1.4  $\mu$ g/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  $\mu$ g/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.

Buffalo, New York

- 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  $\mu$ g/l, above the surface water discharge limit of 180  $\mu$ 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  $\mu$ g/l. Only the first sample (at 946  $\mu$ g/l) was above the surface water discharge limit of 300  $\mu$ 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  $\mu$ 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.

Not over (SEE page 10)

Not over DEC approves motiones.

Thurs we approves.

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

		02/	17/92	04/	02/92	04/	15/92
	Discharge Limit	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

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

		05/	04/92	06/	01/92	06/	15/92
	Discharge						
	Limit	Influent	Effluent	Influent	Effluent	Influent	Effluent
					****		
Volatile Organics (ug/l)							
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
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							ND

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

		07/	17/92	08/	03/92	08/	21/92
	Discharge Limit	Influent	Effluent	Influent	Effluent	Influent	Effluent
Volatile Organics (ug/l)							
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
Metals (ug/l)							
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

indicates not analyzed for this constituent

ND

indicates constituent not detected

TABLE 1

DISCHARGE SAMPLING RESULTS

ON-SITE INTERCEPTOR WELL MONITORING

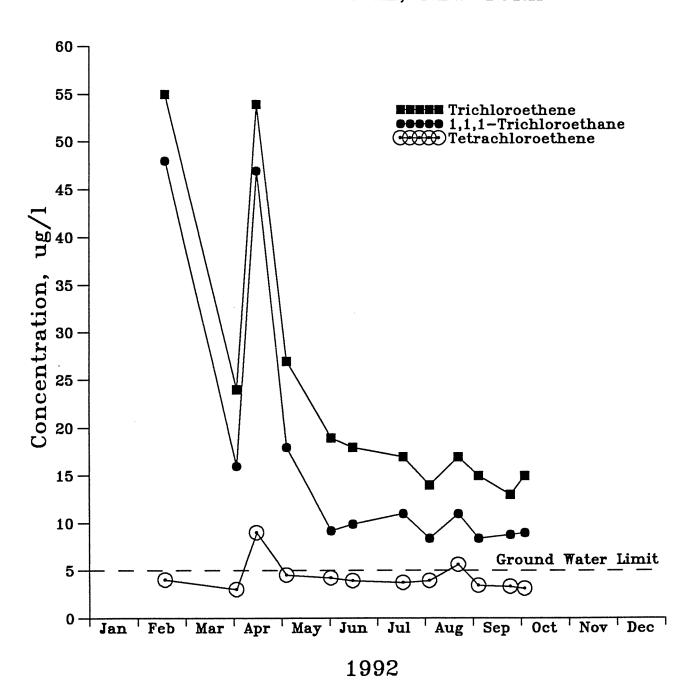
SIGNORE - ELLICOTTVILLE, NEW YORK

	Diasksons	09/	03/92	09/	23/92	10/	02/92
	Discharge Limit	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	alpre mine			ND		
Lead, total	3				ND		
Manganese, total	4,800	••			ND	**	
Nickel, total	86	**			ND		
Zinc, total					18.6		

indicates not analyzed for this constituent

ND indicates constituent not detected

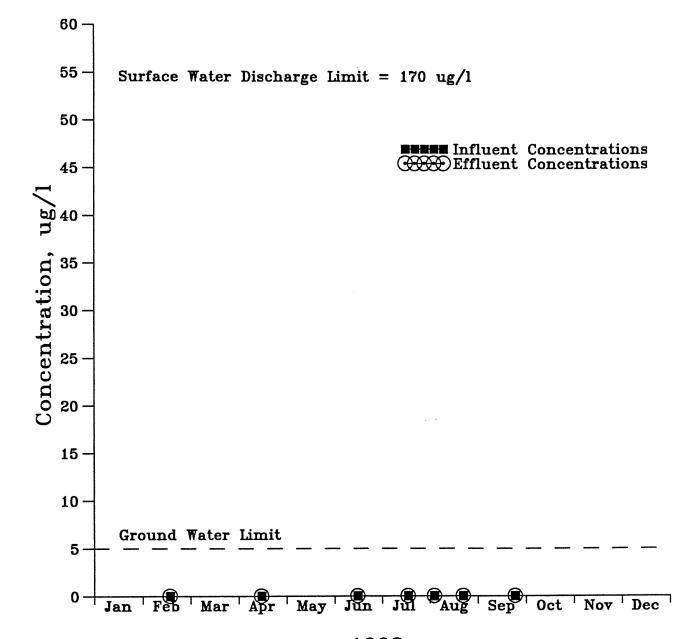
FIGURE 1
INFLUENT CONCENTRATIONS BEFORE TREATMENT
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



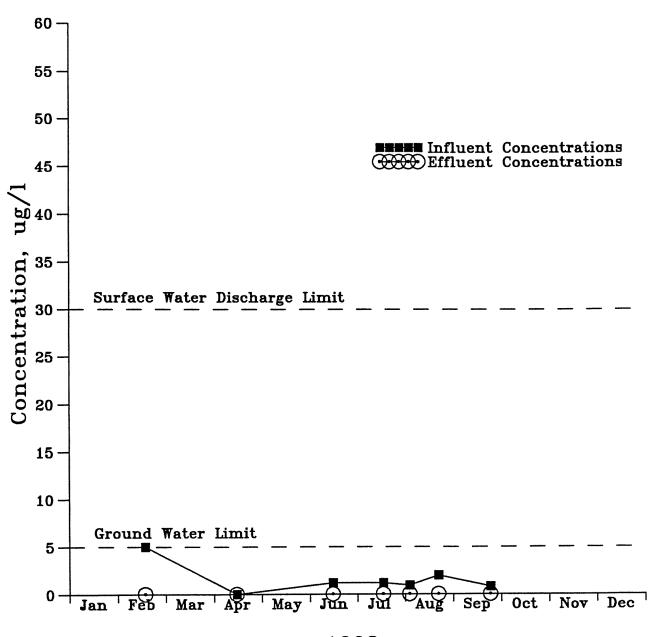
### ATTACHMENT A

**GRAPHICAL PLOTS OF CONCENTRATION VERSUS TIME** 

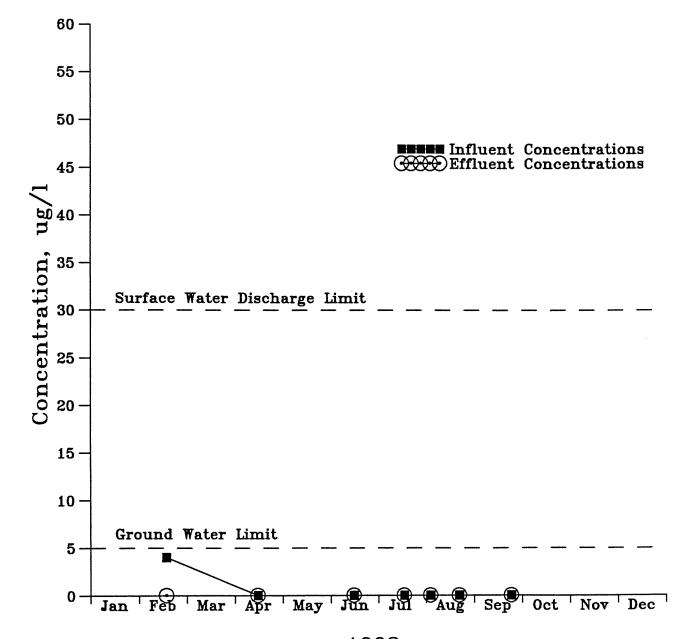
CHLOROETHANE ANALYSES
INFLUENT (BEFORE TREATMENT) AND
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



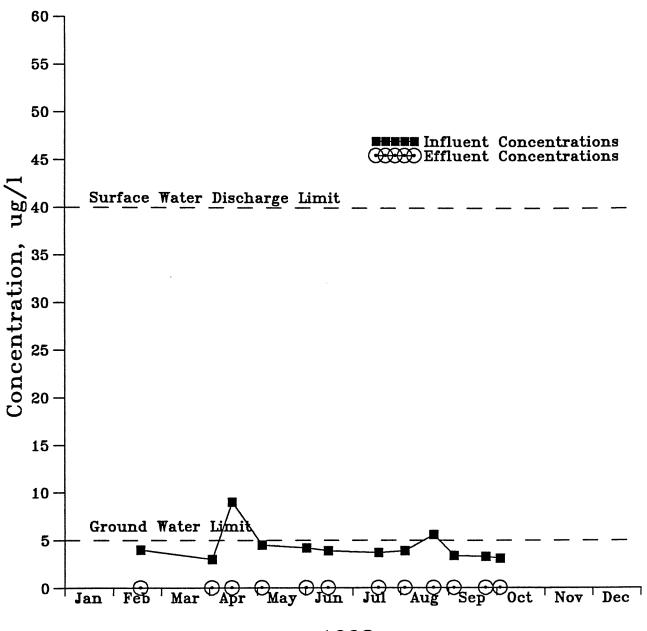
1,1-DICHLOROETHANE ANALYSES
INFLUENT (BEFORE TREATMENT) AND
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



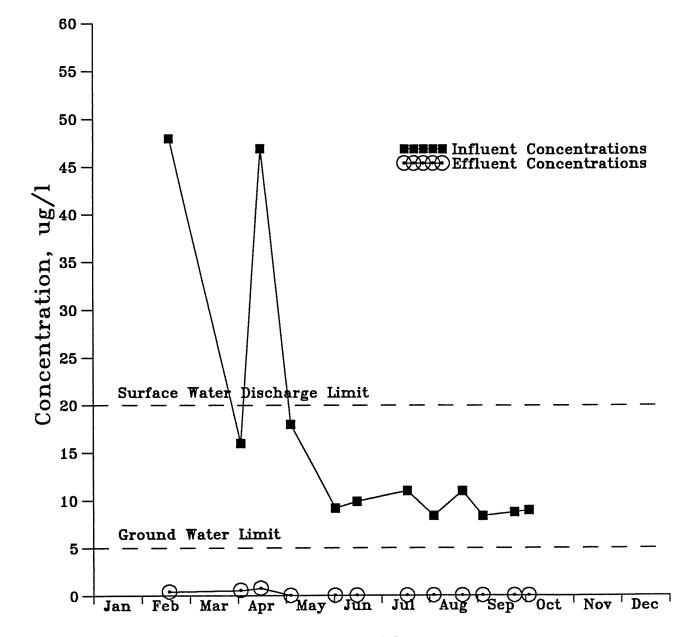
TRANS-1,2-DICHLOROETHENE ANALYSES
INFLUENT (BEFORE TREATMENT) AND
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



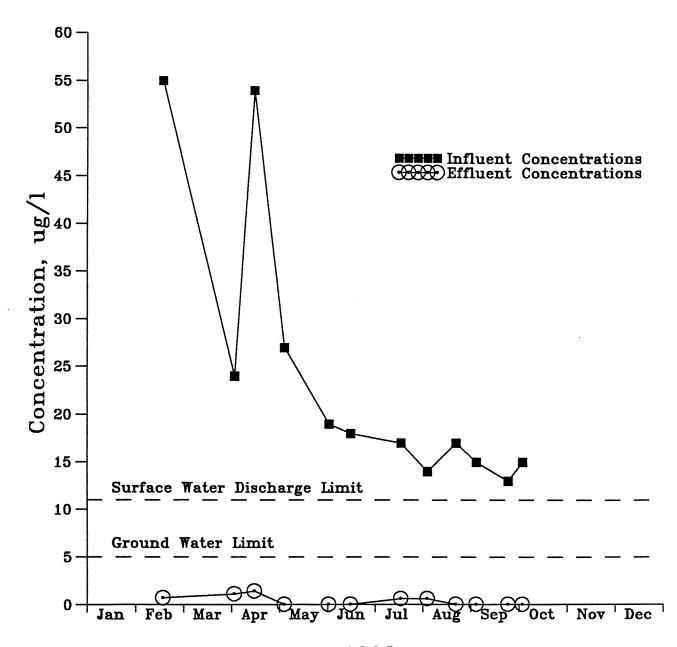
TETRACHLOROETHENE ANALYSES
INFLUENT (BEFORE TREATMENT) AND
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



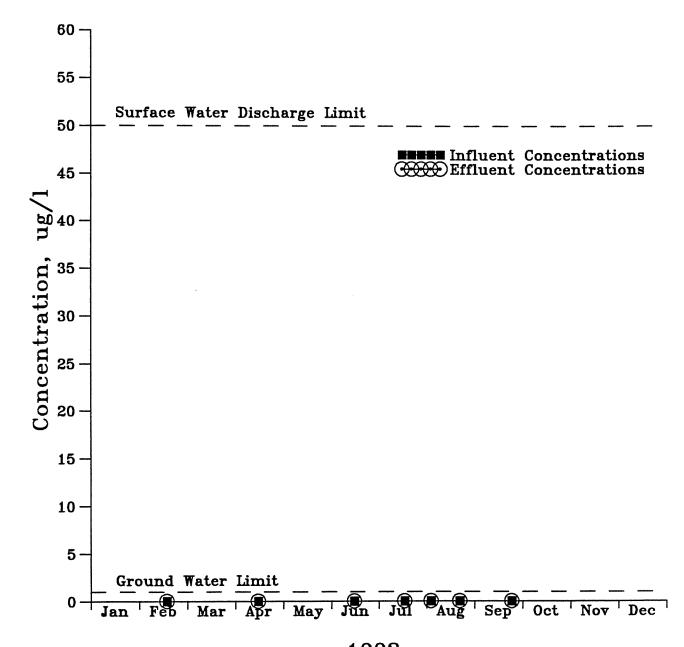
1,1,1-TRICHLOROETHANE ANALYSES
INFLUENT (BEFORE TREATMENT) AND
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



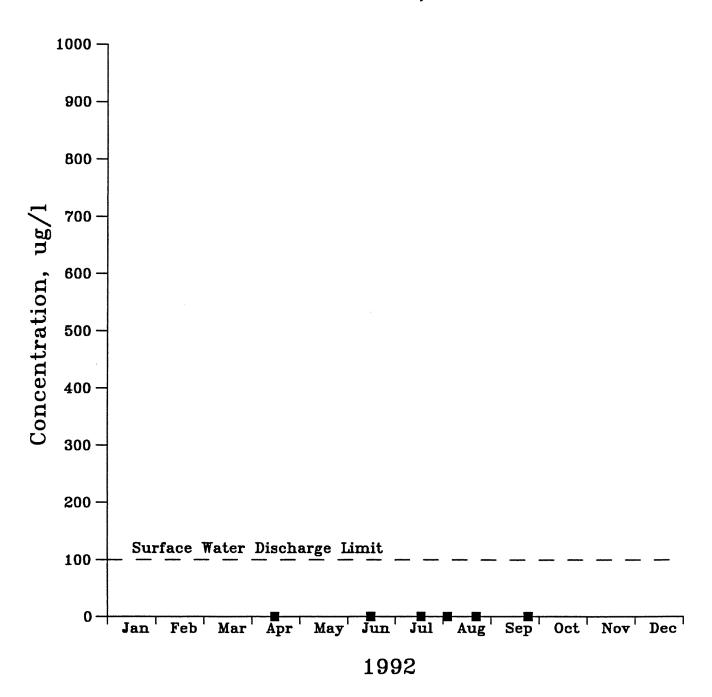
TRICHLOROETHENE ANALYSES
INFLUENT (BEFORE TREATMENT) AND
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



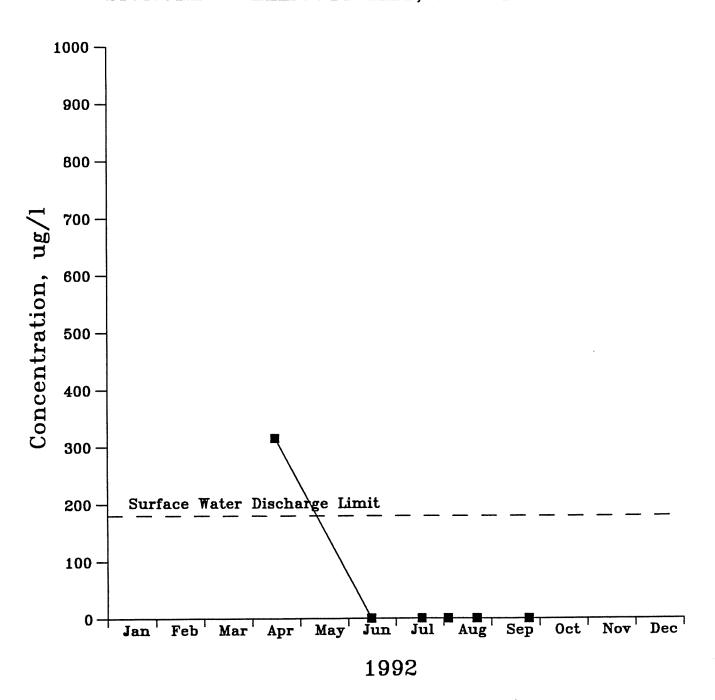
VINYL CHLORIDE ANALYSES
INFLUENT (BEFORE TREATMENT) AND
EFFLUENT (AFTER TREATMENT) CONCENTRATIONS
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



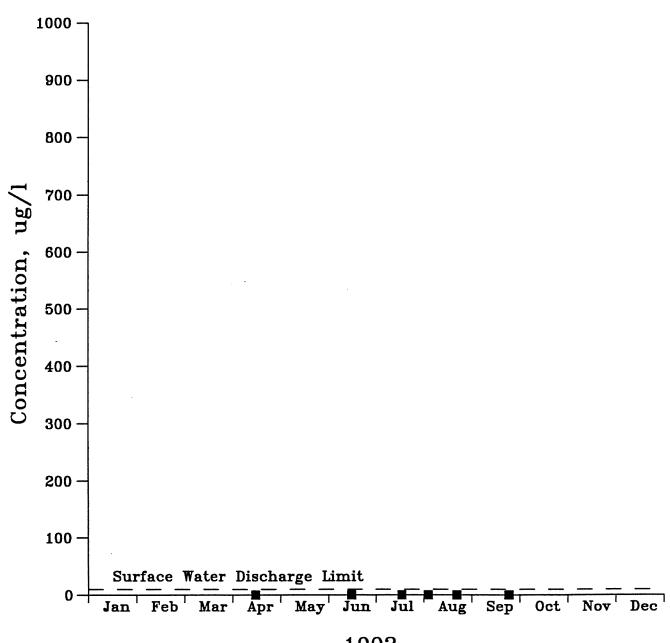
DISSOLVED ALUMINUM ANALYSES
EFFLUENT CONCENTRATIONS AFTER TREATMENT
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



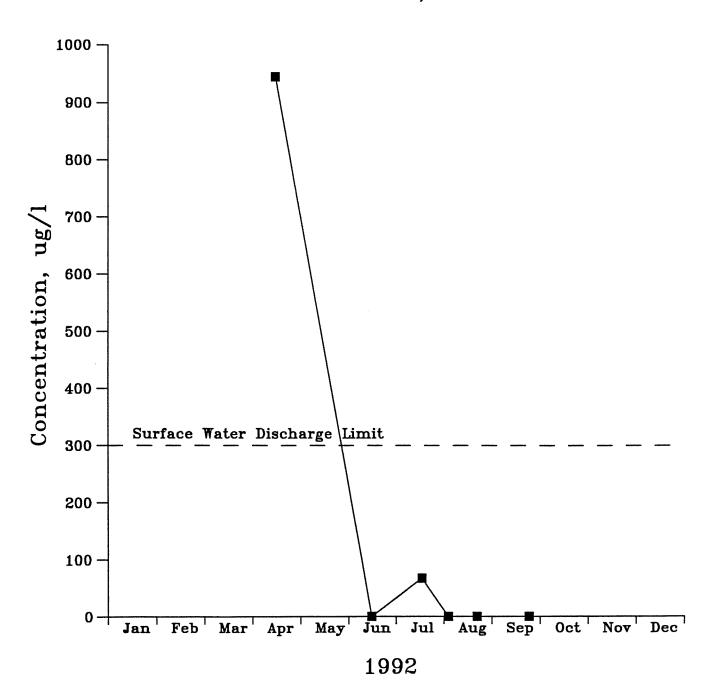
TOTAL CHROMIUM ANALYSES
EFFLUENT CONCENTRATIONS AFTER TREATMENT
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



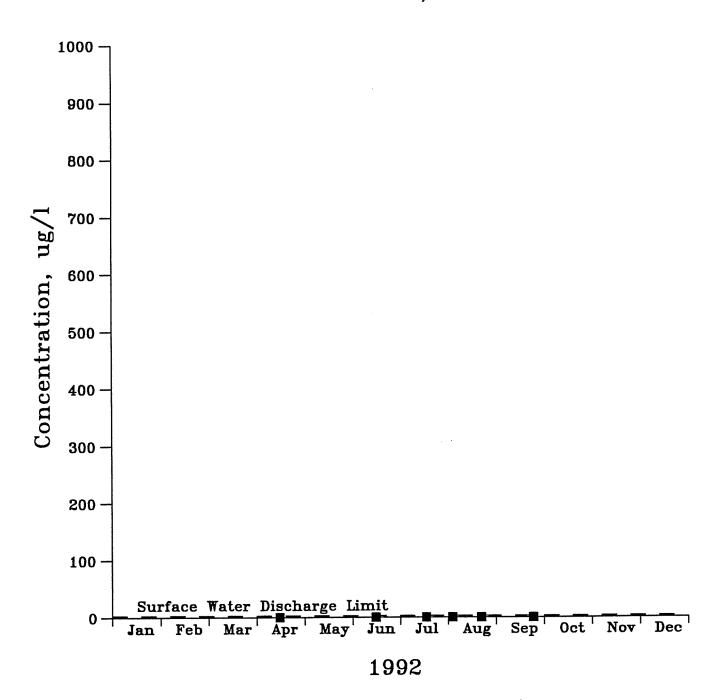
TOTAL COPPER ANALYSES
EFFLUENT CONCENTRATIONS AFTER TREATMENT
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



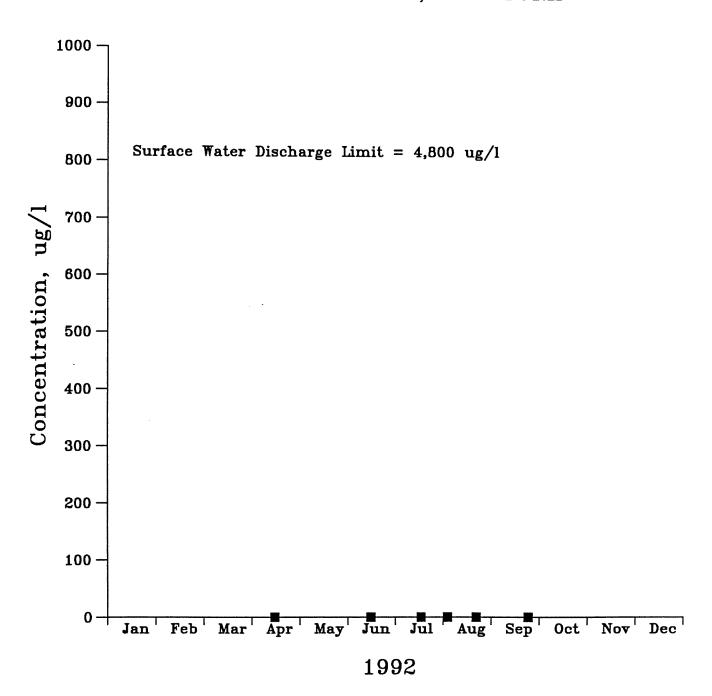
TOTAL IRON ANALYSES
EFFLUENT CONCENTRATIONS AFTER TREATMENT
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



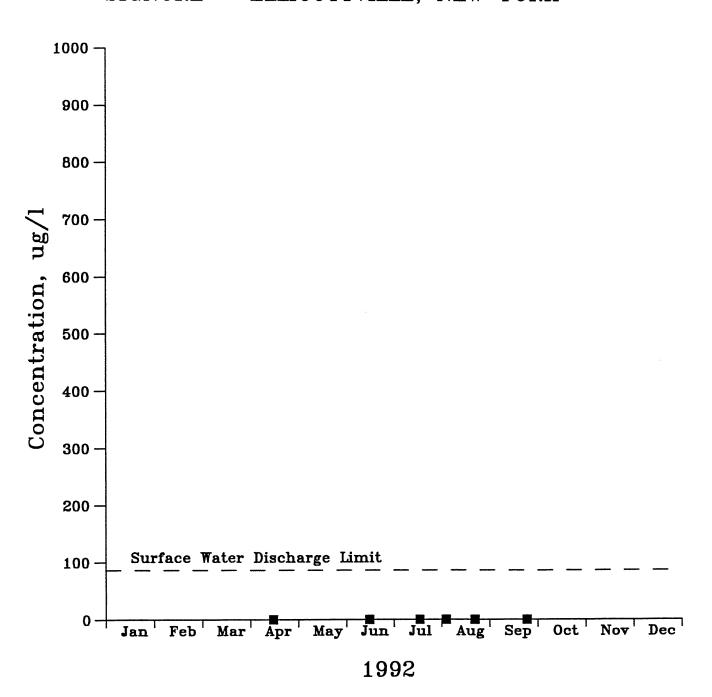
TOTAL LEAD ANALYSES
EFFLUENT CONCENTRATIONS AFTER TREATMENT
ON-SITE INTERCEPTOR WELL MONITORING
SIGNORE - ELLICOTTVILLE, NEW YORK



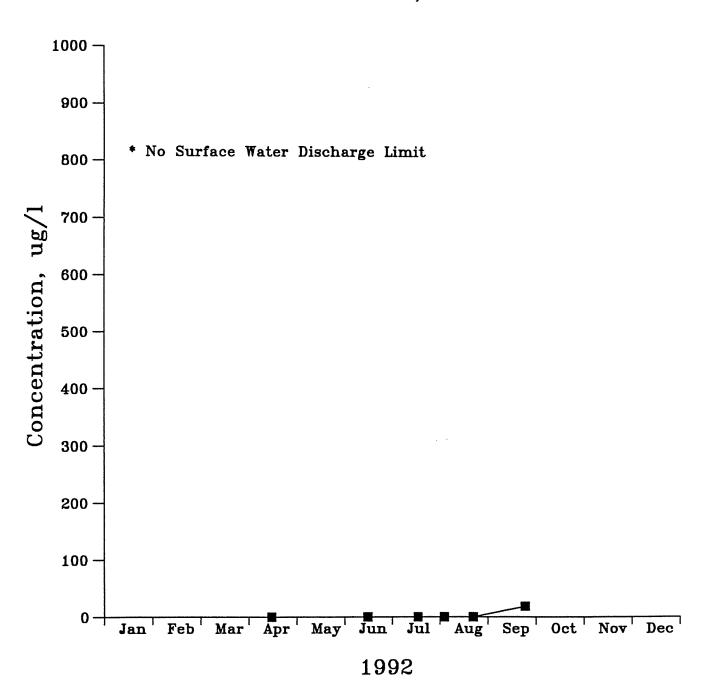
# TOTAL MANGANESE ANALYSES EFFLUENT CONCENTRATIONS AFTER TREATMENT ON-SITE INTERCEPTOR WELL MONITORING SIGNORE - ELLICOTTVILLE, NEW YORK



# 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 - 5 199

March 2,



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 Inc. with pleasure to provide Ground Water Associates, 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 <u>Methods for</u> the <u>Determination of Organic Compounds in Drinking Water</u>, 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.



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.



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 Benzene Bromodichloromethane Bromodichloromethane Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane Chloromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethene trans-1,2-Dichloroethene trans-1,3-Dichloropropane trans-1,3-Dichloropropene cis-1,3-Dichloropropene Ethylbenzene 2-Hexanone Methylene chloride Methyl ethyl ketone 4-Methyl-2-pentanone Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene 1,1,1-Trichloroethane Trichloroethene Vinyl acetate Vinyl chloride Xylenes (Total)	2.0 1.0 1.0 2.0 1.0 1.0 1.0 1.0 2.0 5.0 1.0 0.9 4.0 1.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 1.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	מממשמשם מממממממממ נמ מנמממממממממ

SAMPLE NO: OSIW-IN, SIGNORE

DILUTION FACTOR = 1

LAB NAME

RECRA ENVIRONMENTAL INC.

OB NO.

92-0579

AS007606

SAMPLE NO. OSIW-IN

SAMPLE DATE 02/17/92

ANALYSIS DATE 02/24/92

COMPOUND	RESULT	Q
Internal Standards		
(%Recovery) Chlorobenzene-D5 1,4-Difluorobenzene Bromochloromethane	8 <sup>'</sup> 7 89 93	
Surrogates		
(%Recovery) p-Bromofluorobenzene 1,2-Dichlorobenzene-d4 Toluene-D8	104 91 97	

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 Benzene Bromodichloromethane Bromoform Eromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane Chloroform Chloromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethene 1,2-Dichloropropane trans-1,3-Dichloropropene cis-1,3-Dichloropropene Ethylbenzene 2-Hexanone Methylene chloride Methyl ethyl ketone 4-Methyl-2-pentanone Styrene 1,1,2,7-Tetrachloroethane 1,1,1-Trichloroethane 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene Vinyl acetate Vinyl chloride Xylenes (Total)	4.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	מממטמטממממממממממממממממממממממ

SAMPLE NO: OSIW-IN, SIGNORE DL

DILUTION FACTOR = 2

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

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 Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorodibromomethane Chlorodibromomethane Chloroform Chloroethane Chloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethene trans-1,2-Dichloropropene cis-1,3-Dichloropropene cis-1,3-Dichloropropene Ethylbenzene 2-Hexanone Methylene chloride Methyl ethyl ketone 4-Methyl-2-pentanone Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene Vinyl acetate Vinyl chloride Xylenes (Total)	2.0 1.0 1.0 1.0 2.0 1.0 1.0 2.0 1.0 1.0 1.0 1.0 1.0 2.0 1.0 1.0 1.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	ממפימיממממממממממממממממממממממממ

SAMPLE NO: OSIW-OUT, SIGNORE

DILUTION FACTOR = 1

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

LAB NAME

RECRA ENVIRONMENTAL INC.

JOB NO.

92-0579 AS007607 SAMPLE DATE 02/17/92

DESC AS007607 SAMPLE NO. OSIW-OUT

ANALYSIS DATE 02/24/92

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

•	i
	II AL, INC
	CONMEN
	A ENVIF
	RECR/

CHAIN OF CUSTODY RECORD

UDA by Hethod 524.2 Matrix Spike Duplicate and DATE TIME RECEIVED BY ISIGNATURE DATE TIME RECEIVED BY (SIGNATURE) without Matrix Spiles, REMARKS Field Blank RELINQUISHED BY (SIGNATURE) RELINQUISHED BY (SIGNATURE) DATE TIME REMARKS Ų. 4 *⊙* ک NO OF CON TAINERS DATE TIME RECEIVED FOR LABORATOHY BY ISLAND SALL AND AND SALL AND N 9 O  $\infty$ Ś DATE TIME RECEIVED BY (SIGNATURE) DATE TIME RECEIVED BY ISIGNATURE OSIW-IN-END, Siguore OSIU-OUT-END, Signore OSIW-OUT, Signare OSIW-IN, Signore SAMPLERS ISIGNATURE.

Brad Comble (GWA) Thank Soule STATION LOCATION Destrobution Original act Inquiring stagment . 445 ? Trip Blank SITE NAME. Signore 2/20/2/1100 STATION DATE TIME COMP. GRAB × × X አ RELINQUISHED BY (SIGNATURE). RELINQUISHED BY ISIGNATURES RELINQUISHED BY (SIGNATURE). PROJECT NO: NY 91-151 R 2/20 1040 2/17 1530 3/17 1540 2/20 1030 5 2 3 7



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 Shenar / VM

Marshall Shannon

Customer Service Director

Enc.

REGEOVED

APR 30 1992

SIGNORE INC.





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 aldolcondensation 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.

# General Y Testing Corporation

#### A Full Service Environmental Laboratory

#### LABORATORY REPORT

Job No: R92/01334

Date: APR. 24 1992

Client:

Sample(s) Reference:

Stripper Well

Mr. James Fitzpatrick

Signore Inc.

43 Jefferson St. PO Box 1448

Ellicottville, NY 14731-1448

Received

: 04/03/92

P.O. #:

ANALYSIS * BY GC	MEMEROD	52 <i>4</i> 2	ΔNA	ፐ.ሦጥፐሮልፐ.	RESULTS	- na/1		
		-002	l VIV	l I	I I	49/1		
	Influent	•	! 		1 1			
200027071				i	i i			
Date Collected:	04/02/92	04/02/92	i I	j	į į			l
•		10:00		1	1			
			ļ	ļ	1			] 
	04/13/92	04/13/92	1	1	1 1			
Dilution:		1 	 	1	1			
		! }	; [	1				
,		[	i	i	i			
Trichloroethene	24	j 1 <b>.</b> 1	İ	İ	İ			1
		1	1	1	1			1
1,1,1-Trichloroethane	16	0.55		!			]	]
			!		1	1	<b>[</b>	] }
Tetrachloroethene	3.0	] 0.50 ປ		1	1	[ 	} }	! !
	 	} }	l 1	1	1	! 	]	1
SURROGATE STANDARD RECOVERIES	! !	1	 	1		, 	i	i
SORROUNIE STANDARD RECOVERIES	! 	1	i	i	i	İ	İ	1
% Recovery	1	i	ĺ	İ	İ	1	1	1
		1	1	1	1	1	1	!
Bromofluorobenzene	98	87	1		1	]		]
	1	!	1	]		1	1	1
	!	]		1		] 1	1	1
<b>5</b> :411-44-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-	1	l l 102	1	1	I 1	1	1	1
Dichlorobenzene-1,2-d4	j	1 102	1	1	1	1	1	i
1	1	1	1	1		1	i	j
	1	ı	•	1	· //	•	•	-

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

<b>,</b> , ·	GE	NERALT	ESTING	G CORI	PORATI	ON/CH	AIN-OF	-cus	rody	RE	CORD	a2   12	24
•	710 Exchange Str Rochester, NY 146	reet 85 808 Ha	Trinity Plokensacl	lace k, NJ 07	438 601 Am	5 Lawrer nherst, N	ice Bell Y 14221	Drive -7077	GTC Clier	Job it Pro	No. <u>C</u> oject No.	92/13	: <i>21</i> -
	Sample Origination	& Shipping	Informat	ion	دست	0000	م مصر .		•				-
	Collection Sit	e	NORE,	EEER	500 ST	FLL	ICOTTU	IUF	NY.		19	/ <u>73/</u> Zip	_
	Address	Street			City		,	State	1	0/.	2.1	Zip	
	Sample Origination Collection Sit Address Collector	Print Print	<u>CHER</u>	E C	DARD			Flile	rer c	Sign	nature		
	Bottles Prepa Bottles Shipp Samples Ship	ared by bed to Clier	nt via	UPS		_ Rec _ Sea _ Sea	'd by I/Shippir I/Shippir	ng #					
							ved by:					e/Time	
	Sample(s) Relinquis	snea by: Llitche	8 1	20.01		1. Sigr					1	/	
	for	516WOR	F TU	C 10 Ande	4-1-42	for						:	
	2. Sign					z. Sigi	n				<del></del>		
	for					for 3. Sign					<del>                                     </del>	1	
	3. Sign					for						:	0 20
	Sample(s) Received	d in Loboro	ton, by			二人		>		4	1319	<u>}_@_()</u>	1:50
	Client I.D.#	Sample L		*	Analyte G	nalyte or roup(s) Re w for addi	equired F	Samp Preserve Y N	ole Pre d Filte	p ered N		le Set(s) e below)	
	STRIPPER WELL	- Jako,										I	
1	INFLUEUT (90) 3:4	<u>4/2/92</u> 1 1	10 Am	<u> </u>	3 Vol	attles							
	STRIPPERWELL											1	
2	EFFLUEUT	4/3/9 <u>2</u> 1 1	<i>ю</i> Дт :		3 Va	ATTLES							
3	7	/ /	•										
4													
		/ /	:										
_													
5		/ /											
L	Use Bottle No. for	indicating	type bott	les used	in each bo	ottle set a	nd fill in	box with	# of b	ottles	used for		
	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.		ial. Pl.	Steril. Pl.		
	# of each	3										<u> </u>	<u></u>
	Additional Analyte	s <u>#3</u>	= Trix	o Blo	ink-(	6)40h	nl vio	115=		4 2	HOL	<u>U</u>	Market Control of the
	Shaded area fo		l b - 41 -	am 00011	for client	maximum	of 5 sam	ples pe	r page.	112			
	Shaded area fo  * Source Codes:	r Lab use ( Monitorin	oniy; botto g Well (W)	, Soil (S),	Treatmen	t Plant (T	), Drinkin	g Water	(D), Le	acha	te (L), Ha X)	zardous \	Naste (H) (Y)

River or Stream (R), Pond (P), Industrial Discharge (I),





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

Mm ax in-

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 aldolcondensation product.
- 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)
- $ext{X}$  As specified in the case narrative.



#### LABORATORY REPORT

Job No: R92/01544

Date: MAY 14 1992

Client:

Sample(s) Reference

Mr. Fletcher Ward

Interceptor Well-

Signore Inc.

Air Stripper

43 Jefferson St. P.O. Box 1448 Ellicottville, NY 14731-1448

Received

: 04/16/92

P.O. #:

			ANALY	TICAL F	ANALYTICAL RESULTS - mg/l										
Sample: Location:	-001  Signore	-002  Signore	-003  Signore	-004  Signore	 	1	1	1							
	-	Effluent B	-	Sol Alum	i	ĺ	1								
Date Collected:	04/15/92	04/15/92	04/15/92	04/15/92	i		1	•							
Time Collected:	13:30	13:30	13:30	13:30	ł	1	1								
		:======== 	:=====================================		:========   	=======================================									
Aluminum, Soluble	i	j	i	0.10 U	i	i	İ	1							
Chromium	ĺ	l	0.316		I	1	1	l							
Copper	1		0.020 U	1	1	1	l	1							
Iron	1	1	0.946	1	1	1	1	!							
Lead	1	l	0.050 U	1	ł	ļ	<u> </u>	1							
Manganese	1	ł	J 0.010 U	1	l	1	1	1							
Nickel	ļ	1	0.040 U	!	1	ļ	I	ļ							
Zinc	ļ		0.010 U	1	1	į	ļ	1							
	ļ	1			ļ	1	! •	1							
	ļ	1		1	1	i i	i I	1							
	! !	 	1	1	1	1		1							
	I I	1	1	1	1	1	i								
	1	1	1	1	; 	1	i	i							
	1	1	1	i	i	i	i	j							
<b>f</b>	İ	i		i	i	i	İ	1							
	•	•	•	•	-	•									

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

wheel K. Person

Laboratory Director



#### 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 VOLATILE	S BY EP	A METHOD	8240*	ANALY	rical ri	SULTS -	ug/l	
Sample: Location:	-001  Signore  Influent	-002  Signore  Effluent B	-003  Signore  Metals	-004  Signore  Sol Alum		 	 	 
Date Collected:	04/15/92	•	04/15/92	04/15/92	ļ	i	İ	l
Time Collected:	13:30	13:30	13:30	13:30	1	1	1	
Date Analyzed:	04/25/92	04/29/92	 	 	 	======================================		 
	!	!	!	1	!	!	<u> </u>	
Chloroethane	   5.0 U	   0.5 U	1	1	1	1	 	
1,1-Dichloroethane	5.0 U	0.5 U	i	i	i	İ	I	ĺ
Total-1,2-Dichloroethene	j 5.0 U	0.5 U	i	i	Ì	İ	Ì	1
1,1,1-Trichloroethane	47	0.77	j	İ	Ì	1	Ì	
Vinyl Chloride	j 5.0 U	0.5 ປ	1	İ		1	•	
Tetrachloroethene	9.0	0.5 υ	j	l	1	I	1	
Trichloroethene	54	1.4		1	1		!	<b>!</b>
	1	1	1	 	1		 	l 
Surrogate Standard Recoveries	i	i	i	i	İ	İ	Ì	Ì
***************************************		j					]	
1,2-Dichloroethane-d4 (Acceptance limits: 75-119%)	1 103	   100 	   	1	1   	1		
Toluene d8	99	101		1	1	1		1
(Acceptance limits: 85-110%)		1		1		1	1	
4-Bromofluorobenzene	100	102	1	1	1	I	1	I
(Acceptance limits: 84-116%)	1		1		1	1		1
	1	I	1	1	1	1	1	1
		l		1		1	1	!
				I		l	I	I

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

			RATORY ATE ANA	CHRONIC LYZED	LE 			
Sample: Location:	-001  Signore		-003  Signore	-004  Signore	]	! !		
Location:		Effluent B		Sol Alum				
	<u> </u>	ļ	<u> </u>		<u> </u>	 		
Aluminum, Soluble	1		1 0/ /27/02	04/29/92		j		
Chromium	ļ,	1	04/27/92	1	1 1	! !		
Copper	j	j	04/24/92	1	1 1			
Iron	 	i	04/23/92	1	1 1			)  -
Lead	1	1	04/23/92	1	1 1	 		' 
Manganese	 	1	04/23/92	1	1 1			) 
Nickel	i 1	1	04/23/92	1	[			
Zinc	1	i 1	1 04/23/72	i	1			
	l I	1	1	1	1 1			
	ł	1	1	i	1			
	1	1	1	1		! 		
	Į.	1	ļ	1	1			! 
	ļ.	1	!	1	1			; ]
	!	Į.	ļ		1			) !
	l	!		1				i I
			ļ	ļ	!			į I
-			}					} 1
	l	1	1					<u> </u>
	1		1	1				1
	1	1	ļ	1	1	1	l	!
	1	1	1		1		1	<u> </u>
	1		1	1	1		1	1
	Ì	ı	1	1	1	j	l	l
	ĺ	Ī	1	1	1		I	1
	i			1	1			l
	į	İ	İ	1	1	1		1
	i	i	i	l	1		1	1
	i	i	i	i	İ	1		
		i	i	i	İ	1	1	1
	1	i	i	i	i		1	
	j l	ŀ	:	i	İ	i	1	1
	1	1	1	i	i	İ	Ì	
	1	l I	1	i		i	I	i
	 	1	1	1	i		i	İ
	l !	l t	1	i t	1	i	i	i
	ı	I	i	I	1	!	1	i

		BENERAL	TESTIN	IG COI	RPORA	TION/C	HAIN-O	F-CUS		_	,	
	710 Exchange Rochester, NY					l35 Lawre Amherst,			GTC Jo Client F	b No. 🖺 Project N	92/154 0	<u>1</u> 4
	Sample Originat	` <u>`</u>	·		<b>A</b>	^ A . ^ =	- •					
	Collection	ا Site	ONORE,	TUC	HIRE	STRIPPE	72	, , ,			1/21	
	Address .	Street	<u>SEC</u>	- ^	City	· Ection	OTTUIL	State	XY	1 0	Zip	
	Collector	Site <u>5/43</u> Street Frequency	CHER	E (i),	412					gnature	ebid	*******
	Bottles Pr	repared by _ nipped to Clie Shipped via_	6	TC-n	<u> </u>	Re	c'd by	Cless	\$			
	Bottles Sh	nipped to Clie Shipped via_	ent via <u> </u>	200		Se	al/Shippi	ng #				
	•							11g #				
	Sample(s) Reline	quished by:	1				ived by:		•	Da	te/Time	
	1. Sign for	- Flitch	uch	<u>a</u>		1. Sig					:	
	2. Sign	- Angre				2. Si					′ /	
	for					for					: ,	
	3. Sign					3. Si					:	
	Sample(s) Rece	ived in Labor	atory by _	7	<u></u>	77	sten	40	4	+ 11619	12 @ C	<b>4:</b> 30
	Client I.D.#	Sample	Location	1.	Τ	Analyte or		Samp	ole Prep	Bot	tle Set(s)	
	Labji	Date	e/Time	<b>*</b>	(see be	Group(s) F low for add	required    ditional)	reserve Y N	d Filtered		e below)	
		SIGNORE, TURNEN				2 WAS	<b>)</b>				1	
1 92	(34485)	4151	92 <u>1:</u> 3	0								
2		SIGNORE		4	524	2 OA	Ś				1	
_	1544-75	4 151	22 / 30	0								
		SIG WORL	E, Tic		2			4463				
3		METALS	5		1 Y	Ustal	>	$\times$			<u> </u>	
	544500	4 151	92 11.	30								
		SIGNOTES	JUC		501	L. AL					6	
4		Son Hu	emibus	4							<u> </u>	
PG.	1000	4 15 1	92 :/:	30	Need	ls in-	ab-foll	ermox				
· · · · · · · · · · · · · · · · · · ·								- 0	·			
5		/ /	:									
	Use Bottle No. f	or indicating	type bott	les used	in each b	ottle set a	ınd fill in l	oox with	# of bottle:	s used for	each typ	e.
	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	63					/					
	Additional Analy											
	Shaded area	for Lab use o	only; botto	m copy f	or client;	maximum	of 5 sam	ples 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), \_\_\_\_(X), \_\_\_\_(Y).



JUNE 3 1992

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

Stripper Well Re:

Dear Mr. Fletcher Ward

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

Thank you for letting us provide this service.

sincerely,

GENERAL TESTING CORPORATION

Vladimir Maximciuc

Muax in an

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 aldolcondensation 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.



#### LABORATORY REPORT

Job No: R92/01794

Date: JUNE 3 1992

Client:

Received

Sample(s) Reference

Mr. Fletcher Ward

Stripper Well

Signore Inc.

43 Jefferson St. P.O. Box 1448 Ellicottville, NY 14731-1448

: 05/05/92

P.O. #:

VOLATILES BY	EPA ME	THOD 824	0*	ANALYTI	CAL RE	SULTS -	ug/l	
Sample:	-001	-002	١	1	I	1	1	1
Location:	Influent	Effluent	1.	1	1	1	1	1
	Stripper	Stripper	1	1	1	1	l	1
Date Collected:	05/04/92	05/04/92	1	l.	1	1	1	1
Time Collected:	12:30	12:30	1	<u> </u>	l			
	 		 		1			1
Date Analyzed:	05/12/92	05/18/92	1	1	1	i	1	1
Diluiton:	[1	[1	1	1	1	1	1	1
	Ì	1	1	l	1	l	ı	1
1,1,1-Trichloroethane	18	1.0 U	1	1	1	1	1	1
Trichloroethene	27	1.0 U	1	ı	I	l	1	1
Tetrachloroethene	4.5	່ 1.0 ປ	1		1	1	1	1
	Ì	i	İ		Ì	1	1	
	1	1 .	1	Ţ.	1	1	1	j
Surrogate Standard Recoveries	1	ı	l	l	1	l	1	1
	1	i	Ì	ļ.	1	1	1	
	1	i	1	1	1	1	1	1
1,2-Dichloroethane-d4	102	82	1	1	1	1	1	1
(Acceptance limits: 76-114%)	Ì	İ	I	1	1	1	1	
Toluene d8	97	95	Ì	1	1	l	1	
(Acceptance limits 88-110%)		1	1	1	1	1	l	1
4-Bromofluorobenzene	99	90	1	ŀ	l	1	j	I
(Acceptance limits 86-115%)	İ	1	1	i	1	1	47	
	Ì	Ì	ĭ	l	1	I	1	
	İ	İ	1	1	1	1	1	I
	İ	1	ĺ	1	i	ı	1	1
1	•	•	•	•	•		•	

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

Milal K. Peny

Sample Origination Collection Si	& Shipping	g Informa	ation	<b>1</b> .	STRIPA	EP 1	)F1	 .( .				
Collection Si Address	te 3/6	SLUKE FEES	500) s	- 	- FU	4000	1)// ( )		Ny	/	1473	7
Address	Street			City			Sta	te		Λ	Zi	P
Collector	FLET	CHER	Ele	JARD_				lit	the	ر کے ignatur	<u>uaa</u>	
			1-	2-m			0	2	ے سے	ngnata.		
Bottles Prep	ared by		<u>(5 / (</u>	//	_ Re	c'd by	<u> </u>	w	) /			
Bottles Prep Bottles Ship Samples Shi	ped to Clie	nt via	1105	1) Oxl	Sea Sea	al/Shipp	ing #					
Samples Sni	ppea via		$\mathcal{M}^{\mathcal{S}}$	- 1 (1)	ywy sei	ddilligvir	ing #					-
ample(s) Relinqui						ived by:					Date/Time	<del>;</del>
	Fletch	u le	aid		1. Sig							_
for	Sign	re	Inc		for 2. Sig							-
2. Sign for					2. dig		······································	<del></del>				_
3. Sign					3. Sig	)n					/ /	
for					for						:	
ample(s) Receive	d in Labora	itory by	7	<u>~~</u>	240	stin	41		•	515	<u> 1921_@_</u>	09:
	Sample l				Analyte or		S	ample	Prep	1	Bottle Set(	c)
Client I.D.#		/Time	<b>*</b>	Analyte C	Group(s) R	equired	Prese Y	rved N	Filtere	u	(see below	
SISSIAN SI SI SI SI SI SI SI SI SI SI SI SI SI	SIGLXOLE		PER	(see per	OW IOI add	monan	<u>'</u>			<u> </u>		
	WEU_			52	1.7		χ			K	Ţ	
	veu i	WPCUP	07				1					
194-00/	5 1419	) 'w.	302									
	SIONORE											
i ·	ELL EF		1	529	f:)		4			$\varnothing$	(	
			1						1			
744-0021	5 4/19	2 /2:	300m									
								l				
	, ,	•								-		
		•								-		
												,
	/ /	:										
							<del> </del>				<b></b>	
	1 1	:	-									
Use Bottle No. for	in di*!	tuna hati	tloe used	in each h	ottle set a	nd fill in	hov "	/ith #	of hottl	es usec	for each t	vpe.
USE BOTTIE NO. TOF	muicating		·									
Bottle No.	1	2	3	4	5	6		7	8	9		
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic		)t.   	Gal. Pl.	Ster Pl.		
				ļ								
# of each	38		<u> </u>			<u> </u>						
Additional Analyte												
Additional Analyte								,				
	Lab use o											



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

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 aldolcondensation product.
- 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.



#### LABORATORY REPORT

Job No: R92/02296

Date: JUNE 24 1992

Client:

Sample(s) Reference

Mr. Fletcher Ward Signore Inc.

Interceptor Well

43 Jefferson St.

Ellicottville, NY 14731-1448

Received

: 06/02/92

P.O. #:

HSL VOLATILES BY	EPA MET	THOD 824	0* 2	ANALYTI	CAL RE	SULTS -	ug/l	
Sample:	-001	-002	1	1	1	. 1	1	I
Location:	Influent	Effluent	İ	i	i	i	i	į
Data Callagada	104 (04 (02			]	ļ.	!	!	ļ
Date Collected: Time Collected:	06/01/92  13:30	06/01/92  13:30	 	1	1		1	l 1
	.=========		' =======	) =========	 =======	 ====================================	 =========	, 
		1	ļ.	1			1	!
Date Analyzed:	06/09/92 	06/09/92		]			1	
1,1,1-Trichloroethane	9.2	1 1.0 U	! 	1	l		1	i
		l	İ	İ	i	İ	i	İ
Trichloroethene	19	1.0 U		ļ	ļ		ļ	
Tetrachloroethane	1 4.2	   1.0 U	1	1	l		1	l I
Surrogate Standard Recoveries	•			i	i		i	i
••••••	•	1	!	!	!		!	ļ
1,2-Dichloroethane-d4	i i 108	l 105	1	1	l i	ļ	1	1
(Acceptance Limits: 76-114%)	1	1 103	1	! 	1		1	l I
	İ	İ	i	i	i	İ	i	İ
Toluene d8	103	101	!	ļ	!			ļ
(Acceptance Limits: 88-110%)	1	1	1	. 	·		1	] [
4-Bromofluorobenzene	99	100			i		i	1
(Acceptance Limits: 86-115%)	1	1	1	l	Ì	Ì		1
		1			1		]	
	1	1	! 	1	1	 	l I	! !
		1	İ	!	i		İ	1

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

> Milal K. Peny Laborator Director

•	GE	NERAL	TESTIN	IG COF						RECORE	$\alpha$	0.01
Roches	change St ter, NY 14	608 H		ck, NJ 0	7601 A	35 Lawre mherst,	NY 1422	21-7077	Client	ob No. 🕇 Project N	lo	
Sample	Origination	& Shippir	g Informa	ation								
С	ollection Si	te	GNORE	, Tic					. /. /	111241		
A	ddress	Street	SEFF	-ERSON	$\frac{\mathcal{O}}{\mathcal{O}}$	EUIC	אנטדדסי	LE /	<i>X.Y.</i>	14/3(	Zin	
С	Origination ollection Si ddress ollector	Print	HER	Eu	DARD			State	letch	Signature	War	d
D.	ottles Prepa ottles Shipp amples Ship	arod by		GTC-	-mc	Po	o'd by	011	24			
B.	ottles Shinr	ned to Clie	nt via	7	105	ne Se						
S	amples Shir	pped via_		71	105.	Se		_				
								3				
	s) Relinqui				<b></b>		ived by:			D:	ate/Time	7
-		letche				1. Sig					<u>/ /                                  </u>	4
<u> </u>		51620 OR	E, IX	<u>ی ر</u>		·· for					<u>:</u>	-
1	2. Sign					2. Sig					<del>/ /</del>	1
<del> </del>	for 3. Sign					for 3. Sig					<del>,                                    </del>	4
<u>                                     </u>	for					S. Sig	<del></del>		***************************************		<u>'</u>	1
L	101				····	101					•	
Sample(	s) Received	d in Labor	atory by_				$\Longrightarrow$			6121	<u>?ට</u> @_ද්	30:30
Client	I.D.#	Sample	Location			Analyte or		Sam	ple Prep	Bo	ttle Set(s)	
***************************************	b#		/Time	*	Analyte ( (see bel	Group(s) Flow for add	lequired litional)	Preserve Y N			ee below)	
	,	- 11	1						-		1	
W. X. AMININ MIC		+ufle	ien		ZUE	WEUT	C		_			
	296-		Oa : .		170	1 4 2.6	8240				1	
00		2/	12 /2	30	UOF	15 8	3400-	$X \vdash$		×		
		- 11	1					`			- 1	
		EIII	unt		EFF	LUEN	7				$\Delta$	
K 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-296-	: /' / / ./	<b>^</b> · ·		1	1. Lik	.5240				$\checkmark$	
00		611	92 /	30	1 1 10F	<del>)</del> S 4	242	<b>X</b>	الح ا			
		/ /	:									
		/ /	:							ŀ		
					<del> </del>							
5		/ /	:									
			•									
Use Bo	tle No. for i	ndicating	type bott	les used	in each b	ottle set a	nd fill in	box with	# of bottl	es used fo	r each typ	e.
					T	<del></del>	т	7	8	9	10	11
Bot	tle No.	1	2	3	4	5	6			Steril.	+-'0-	<del>                                     </del>
Bot	tle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Pl.		
# 0	f each	3										<u></u>
<b>1</b>								•				
Addition	nal Analytes	S										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Shade	ed area for	Lab use o	nly; botto	m copy f	or client:	maximum	of 5 sam	ples per	page.			
* Source	ce Codes: M	nonitoring	Well (W),	Soil (S),	Treatmen	t Plant (T)	, Drinkin	g Water (	(D), Leach	ate (L), Ha	zardous V	Vaste (H

River or Stream (R), Pond (P), Industrial Discharge (I), \_\_\_\_\_(X), \_\_\_\_(Y).



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

Mexa

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 aldolcondensation 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.



#### LABORATORY REPORT

Job No: R92/02545

Date: JULY 8 1992

Client:

Sample(s) Reference

Mr. Fletcher Ward Signore Inc.

Interceptor Well

43 Jefferson St.

Ellicotville, New York 14731-1448

Received

: 06/16/92

P.O. #:

	· · · · · · · · · · · · · · · · · · ·	•	ANALY'	rical :	RESULTS -	mg/l		
Sample: Location:	-001  Influent	-002  Effluent	-003  Effluent	] 	 	] 	ĵ I	
Date Collected:			Strip Well	İ		1		<u> </u>
Time Collected:	06/15/92  10:00	06/15/92  10:00	06/15/95  10:00	 		! ]	! 	
***************************************	======================================	:========   ·	**************************************			======================================	======================================	
Aluminum, Soluble	j	İ	0.100 ປ	i	i	İ		
Chromium	. !	0.050 U	1	İ	! .	!	!	
Copper Iron	.   .	0.020 U   0.050 U	1	<u> </u>		]	] !	
Lead		0.050 U	1	! }	1	-	! ]	
Hanganese	i	0.010 U		i	. <b>i</b>	i	j	
Nickel	.	0.040 U	1	1	1	[	l	•
Zinc		0.010 U	!	!	ļ		1	
		1	1	1	l I	1	[ ]	 
			† 	! 	1	1	ι 	! 
	i	j	i	i	j	i .	İ	j
		1		I	1	Į.	<b>J</b> -	<b>!</b>
		ļ	!	1	ļ		]	<u> </u>
	1	1	· <b>I</b>	! 1	[ .		1	 
•		1	1	1	ı	1 ,	1	1

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

> Milal K. Perry Lawrence Director



#### LABORATORY REPORT

Job No: R92/02545

Date: JULY 8 1992

Client:

Sample(s) Reference

Mr. Fletcher Ward Signore Inc.

Interceptor Well

43 Jefferson St.

Ellicotville, New York 14731-1448

Received

: 06/16/92

P.O. #:

VOLATILES BY	EPA ME	THOD 824	0* AN	ALYTICAL	RESULT	s – ug	<b>1/1</b>	
Sample:	-001	-002	-003	1 1			1	
Location:	Influent	Effluent	Effluent	1 1			1	1
	Strip Wel	Strip Well	Strip Well	1			1	
Date Collected:	06/15/92	06/15/92	06/15/95	1			1	
Time Collected:	10:00	10:00	10:00	1 1				 
	1	1	1	1				<u> </u>
Date Analyzed:	06/24/92	06/24/92	ļ	1 1	1			1
Diluiton:	[1	[1 ~ .	1	1 1	1		1	1
	•	1		1	]		1	4
Vinyl Chloride	1.0 U	1.0 U	1	1			1	<b>l</b>
Chloroethane	1.0 ປ	1.0 U	1	1 1	j		1	1
Trans-1,2-Dichloroethene	1.0 U	1.0 U	l	1			1	1
1,1,1-Trichloroethane	9.9	1.0 U	i	1 1			1	1
Trichloroethene	18	1.0 U	1	1 1			1	I .
Tetrachloroethene	3.9	1.0 U	i	i i			1	l
1,1-Dichloroethane	1.2	1.0 U	i	i i			Į.	]
•	i	İ	İ	i i			i	İ
Surrogate Standard Recoveries	i	İ	i	i i			İ	
	i	i	i	i i			i ·	i
	i	i.	•	i			ĺ	i
1,2-Dichloroethane-d4	103	1 100	1	i			i	i
(Acceptance limits: 76-114%)	1	1	· [	i			i	i
Toluene d8	1 100	103	i	ii		! }	1	i
(Acceptance limits 88-110%)	1	1	1	i		! 	i	; ;
4-Bromofluorobenzene	l 106	1 104	1	1 1	:		1	
(Acceptance limits 86-115%)	1	1 104	1	1 1			1	<u> </u>
(Acceptance Charts 00-115%)	1	I I	1	1 1	,	! !	1	
	1	I I	1	1 1		-	1	! }
	1	l I	 	1 1		<u> </u>	1	i 1
	I	I I	l I	1 1		<b>!</b>	1	1 1
		I	ı	1 1		I	i	i

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

Milal K. Peny

Laboratory Diector



# 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

		LABO	RATORY ATE ANA	CHRONIC:	LE 			
Sample: Location:		-002  Effluent  Strip Well				  - 		 
Aluminum, Soluble	   	1	   06/18/92	   				   
Chromium	1	06/29/92	1 00/10/92	.1 .1		[ ]	1	! !
Copper	1	06/25/92	1	1	1	} †	1	] ]
Iron ·	1	06/25/92	1	1	1 1	! !	] ·	] ]
.ead	1	06/24/92	1	i t	1	! !	j t	! !
langanese	1	06/29/92	1 " 1	1	]	! ?	} 1	! !
lickel	; 1	06/25/92	1	1	i I	[ 	[ ]	i I
linc	· I ,	06/22/92	1	1	I I	! ! ·	1	ı İ
	1	1	;	i	i 1	! }	i !	} Î
	i	i 	1	1	1	i I	! 1	! {
	1	1	; 	1	1	J 	1	; [
	1		1	1	i	! ]	1	1 [
	1	1	1	1	I I	i i	! 1	1 ]
	. 1	i	1	1	l I	1 	: !	! !
	1	1	1	1	I I	! !	1	: 1
	1		: 	1	; 1	i · 1	1	; !
	i	1	l	i	1	!	1	i I
	!	1	1	1	1	; ]	1	
	1	1	1	1	1	: [	1	! [
	i	1	1	1	1	! !	1	 ]
	i		i		i	1 [	1 	}
		İ	1	;	1	-	1	, ]
	l	i	l		1	: 		]
	i	i	1	i	i	: 	1	i
,	i	i	1	i	i	; I	•	
	.	i	i	i	i			
	i	i	i	i	Ì	i		
	i	i	i	i	i	i İ	İ	İ
	i	i	i I	i	i			
	i	i	İ	i	i	I	İ	1
	i	i	i	i	i	i İ		j.
	i	i	İ	i	i ·	I	i İ	İ
	i	i	İ	i	i		I	Ī
	İ	i	İ	i	i	I	İ	I
	i	i	İ	i	Ì	I	İ	İ
	i	i	i	i	i	I	i	

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD  710 Exchange Street																
																<u>45</u>
	0-1141-	0.1	1	no De	رمير	2	•	STRIPP	ER C	DEL	۷					
	Address		4/3	_J&	FFER	500	ر	STREE		يتع	LICE	2770	111	E,	NY	14731
	Collector	·	treet LET	CHER	wh	Sty City			Zl	ite	ate	. Le	Jaca	l_	- ZIL	) 
											110	٠, ٧	Sig	nature		
	Bottles P	repared	by	nt via	()/	11	17C	Re	•							
	Samples	Shipped	l via_	:III VIA		W	05	Se								
	Sample(s) Relir	nquished	by:					Rece	eived by:					D	ate/Time	
						Ø									/ /	]
		5161	CORE	E, TWO	<u>^</u>										<del></del>	-
				:											:	1
							·····								100	0930
	TOT				~			. 10	//					2/161	32	14.15
	Sample(s) Rece						27		Ha	su	25	<u></u>		דעוי	<u>&amp;</u>	7.75-
		Sa			*	Ana (se	alyte (	Group(s) F	Required	Pres	erved	Filte	ered			
							رومنح	(21)	00'	/			<b>V</b>			
		131K	IPPE	R W	FIC	-	ايحن	Fod V	1995_	/			~			
٤.	2545-001	6/	ر ا م	2 10	IAM.											
		1		. · · · · · · · · · · · · · · · · · · ·	_		P 21	(- 1	an '							
2						10	<u> </u>	1. J. U	HS	X			<u> </u>			
إرا	4845-0024				Am											
	/	1 -				CE	i.Cu,	FE,PB,M	10, No. 2N	BOL	AL. )			,	7. 1.	
3		STRI	PDE	e WE	ند	///	EIL	V.5		X	1		X	-	$T, \omega$	
	\	6%	ا مي	92:0	:An				A2/2	545-	2	503	)		•	
	·								-							
l i										<u> </u>	ļ					
		/	/	:												
											ļ					
•		change Street 85 Trinity Place 435 Lawrence Bell Drive GTC Job No. \$R\$\textit{25\textit{35\textit{45\textit{55\textit{45\textit{55\textit{45\textit{55\textit{45\textit{55\textit{														
	Use Bottle No.	for indicating type bottles used in each bottle set and fill in box with # of bottles used for each									or each typ	ле.				
	<u> </u>		·		,				·							<del></del>
		40	ml	Pint	Qt.	4 (	oz.	8 oz.	16 oz.							
		<del>-                                     </del>	•	Glass	Glass	Pia	<b>อเเ</b> บี	riastic	Tastic	+-'	<u>".                                    </u>		-	1 14		
	# of each			- A .	l,	<u></u>		01/		<u> </u>	ı					
	Additional Anal	ytes _	501.	<u>/}/</u>	to be		n-1	ab fi	Here	d.						

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), \_\_\_\_(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 aldolcondensation 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.



#### LABORATORY REPORT

Job No: R92/03052

Date: AUG. 11 1992

Client:

Sample(s) Reference

Mr. Fletcher Ward

Signore Inc.

Stripper Well

43 Jefferson St., P.O. Box 1448 Ellicottville, NY 14731-1448

Received

: 07/20/92

P.O. #:

			ANAL	TIC.	AL RESULI	S - mg/	/1		
Sample: Location: Date Collected: Time Collected:	-001  INFLUENT    07/17/92  10:00	-002  EFFLUENT    07/17/92  10:00	-003  EFFLUENT    07/17/92  10:00			 	       	       	
Aluminum, Soluble Chromium Copper Iron Lead Manganese Nickel Zinc		0.010 U   0.020 U   0.050 U   0.010 U   0.020 U   0.010 U   0.010 U   0.010 U   0.010 U	0.100 U		                       				
	i	i	1	1	l	[	1	.	

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

Milel K. Perry Director



#### LABORATORY REPORT

Job No: R92/03052

Date: AUG. 12 1992

Client:

Sample(s) Reference

Mr. Fletcher Ward

Stripper Well

Signore Inc.

43 Jefferson St., P.O. Box 144 Ellicottville, NY 14731-1448

Received

: 07/20/92

P.O. #:

VOLATILES BY	EPA ME	THOD 82	40* AN	ALYTICAI	RESULTS	- ug/:	1
Sample:	-001	-002	-003	1		1	
Location:	INFLUENT	EFFLUENT	EFFLUENT	1	1		
	1	1	1	1			
Date Collected:	07/17/92	07/17/92	07/17/92	ļ		ļ	j I
Time Collected:	10:00	10:00	10:00	 ============	 	 ==========	 
	1	1		1		1	1
Date Analyzed:	07/23/92	07/23/92	1	1	1	1	
Diluiton:	[1	1			1	I	!
	1	1	1	1		1	
Vinyl Chloride	0.5 U	0.5 U	1	1		ļ	1
Chloroethane	0.5 U	0.5 U	1	1	!!!	!	1
1,1-Dichloroethane	1.2	0.5 U				l i	 
trans-1,2-Dichloroethene	0.5 U	0.5 U		!	! !	l I	i 1
1,1,1-Trichloroethane	11	0.5 U	Į.	ì		1.	\ 
Trichloroethene	17	0.6	ļ	[		1	; 1
Tetrachloroethene	3.7	0.5 U 	1	1	1 1	;	i
	1		i	•			
Surrogate Standard Recoveries		1	ļ			[·	]
		1	į	1	]	I I	1
	l 1 96	l 1 97	1	1	1 1	1	,
1,2-Dichloroethane-d4	90	1 77	1	1		i	İ
(Acceptance limits: 76-114%)	l I 98	I I 95	1	i	i i	í i	1
Toluene d8	1	''	l	i	i i		
(Acceptance limits 88-110%) 4-Bromofluorobenzene	1 105	I I 103	1	i	i i	ĺ	1
(Acceptance limits 86-115%)	1		i	i	i i	1	1
(Acceptance Charts oo 113%)	1	i	i	·	1	1	
		i	i	1	1	1	1
	i	i	l	1	1	1	ł

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

Milal K. Peny



### 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

			RATORY (		Æ			
Sample: Location:	-001  INFLUENT 		-003  EFFLUENT 	 			 	 
Aluminum, Soluble Chromium Copper Iron Lead Manganese Nickel		   08/04/92   07/26/92   07/27/92   07/24/92   07/28/92   07/24/92	   07/23/92           	           				
Zinc		07/24/92					 	
			  -  -  -  -  -  -	 	           	 		             
,	         	1 1 1 1		           	 	 	         	 



#### LABORATORY REPORT

Job No: R92/03052

Date: AUG. 11 1992

Client:

Sample(s) Reference

Mr. Fletcher Ward

Stripper Well

Signore Inc.

43 Jefferson St., P.O. Box 1448

Ellicottville, NY 14731-1448

Received

: 07/20/92

P.O. #:

			ANALY	TICAL	RESUL	rs - mg/l		
Sample: Location:	-001  INFLUENT	-002  EFFLUENT	-003  EFFLUENT	 	1	'		1
	Ì	107/17/03	107/17/02		1	[	1	
Date Collected: Time Collected:	07/17/92  10:00	07/17/92  10:00	07/17/92  10:00	! 	1		Ì	i
2222222222222222222222								·
Aluminum, Soluble		 	   0.100 U	1	l I	1		1
Chromium	1	ט 0.010 ט	i	İ	İ		ļ	
Copper	ļ	0.020 U		1		1	1	) 
Iron Lead	1	0.068   0.050 U	1	1 1	! 		; ]	i
Manganese	1	j 0.010 U	i	Í	1	1	1	1
Nickel	Į.	0.020 U		1	1	1	1	! }
Zinc	1 1	0.010 U	1	1	1	i	i	İ
	i	i	İ	1	!	!	1	.1
	1		1	ļ i	1	1	1	l
	[ [	l I	i	ļ			į.	İ
	1		Ì		1		-	1
	1	ļ		1	 	ļ 1	 	
	I	l .	1	1	l .	1		•

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

Milal K. Perry Director



## LABORATORY REPORT

Job No: R92/03052

Date: AUG. 12 1992

client:

Sample(s) Reference

Mr. Fletcher Ward

Signore Inc.

Stripper Well

43 Jefferson St., P.O. Box 144 Ellicottville, NY 14731-1448

: 07/20/92

P.O. #:

VOLATILES BY	EPA MEI	HOD OF			AL RESUI	1	1	1
Sample: Location: ate Collected: ime Collected:	-001  INFLUENT    07/17/92  10:00	-002  EFFLUENT    07/17/92  10:00	-003  EFFLUENT    07/17/92  10:00	 		  -  - 	       	       
Date Analyzed: Diluiton:	  07/23/92  1	  07/23/92  1	 	1	\     	 	1 1 1	     
Vinyl Chloride Chloroethane 1,1-Dichloroethane trans-1,2-Dichloroethene 1,1,1-Trichloroethane Trichloroethene Tetrachloroethene	0.5 U   0.5 U   1.2   0.5 U   11   17   3.7	0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U	             	         	           	         	 	           
Surrogate Standard Recoverie	1		 	     	     	 	 	     
1,2-Dichloroethane-d4 (Acceptance limits: 76-114%) Toluene d8	1	97     95	     	   	1	   	     	! ! !
(Acceptance limits 88-110%) 4-Bromofluorobenzene (Acceptance limits 86-115%)	1	103       	     	       	     	1 1 1	     	   

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

Milal K. Peny



## A Full Service Environmental Laboratory LABORATORY REPORT

Job No: R92/03052 Date: AUG. 11 1992

Client:

Signore Inc.

Sample(s) Reference

Stripper Well

Date Sample Taken: 07/17/92 Date Received: 07/20/92

Date Received:	07/20/92			Date	Dampie		01, 41,	
		LABOI D	RATORY (	CHRONIC LYZED	LE			
Sample: Location:	-001  INFLUENT 		-003  EFFLUENT 	l 	   	     	     	     
Aluminum, Soluble Chromium Copper Iron Lead Manganese Nickel Zinc		   08/04/92   07/26/92   07/27/92   07/24/92   07/24/92   07/24/92   07/24/92   07/24/92   07/24/92	 	! ====================================				
		                 					             	! ! ! ! ! !

•	G	ENERA	L TEST	NG C	ORPOR.	ATION/	CHAIN-	OF-CUS	TODY F	ECOR		267;
	710 Exchange Rochester, NY					435 Law Amherst	rence B t, NY 142	Bell Drive 221-7077		ob No. 2 Project I		- - -
	Sample Originati Collection	Site	-SULMON	x 7	vc	57	RIPPE	R W	ELL			-
	Address _	Stroc	13 23 23 23 23 23 23 23 23 23 23 23 23 23	ÉFER	SON .	STREET	E	ucorre State	ILLE,		147.	3/
	Collector_	Print	TCHER	_E_	WAR	Δ		State Fli	tehu (	gnature	aid Zip	
	Bottles Pre Bottles Sh Samples S	ipped to C	lient via _		mc PS:	S	Rec'd by _ Seal/Ship Seal/Ship			<u></u>		
	Sample(s) Reling	uished by:					eived by				ate/Time	
	1. Sign		u C		d	1. S					/ /	
	for 2. Sign	S16NO	RE, I	uc_		fc	or					
	for						or or				<del>/ / /</del>	
	3. Sign					3. S				1	7 7	
	for					f	or				:	
	Sample(s) Receiv	ed in Labo	ratory by							7/20/	<u>?</u> a	29:30
	Client I.D.#		e Location e/Time	4	Analyti (see b	Analyte o e Group(s) selow for ac	Required	Samp Preserved Y N	le Prep I Filtered Y N		ettle Set(s) ee below)	
1		<del>7/17/92</del> WFLUER	27 – 572	PAPER	ري ا	4.2	$\mathcal{A}$	HCL	<sub>X</sub>		1	
'	R92 3652_ −001			AM		8240					1	
2		FFLUEL	ग अस्त	PER	5/2	14.2		HCL	X		1	
	19213052 -002	7 17	92 1	OAM							<b>V</b>	
3		EFFLUE	UT STE	PPER	ME	74LS		HNOS	\ \ <u>\</u>		7	
<i></i>	1992/3057- -02	7 17	:	OAM								
4		FFLUEN	IT STRI	PPEP	Au	imuri	~ ·				7	
+	R92/8052 -003	7 1/7		An								
5		/ /	:									
	Use Bottle No. for	indicating	type bott	les used	in each	bottle set a	and fill in	box with #	of bottles	used for	each type	<u> </u>
	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						/				
	Additional Analyte	es		***				•	·····	***************************************		
	Shaded area for	Lab use o	only; botto	m copy	for client:	maximum	of 5 sam	ples per pa	age.			<del></del>
7	Source Codes: I	Monitoring	Well (W),	Soil (S),	Treatme	nt Plant (T)	, Drinkin	g Water (D)	. Leachat			
	1	River or St	ream (R),	Pond (P)	, Industri	al Dischar	ge (I)		(X	5)		(



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

NW/20

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.
- 3 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 aldolcondensation 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).
- 3 Reported value determined by Method of Standard Additions. (MSA)
- K As specified in the case narrative.



#### LABORATORY REPORT

Job No: R92/03272

Date: AUG. 25 1992

Client:

Sample(s) Reference

Mr. Fletcher Ward Signore Inc.

Stripper Well

43 Jefferson St.

Ellicottville, New York 14731

Received

: 08/04/92

P.O. #:

			ANALY	TICAL R	ESULTS -	mg/l		
Sample:	-001	-002	-003	j	1			
Location:	Stripper	Stripper	Stripper	1	1	1	1	1
	well inf.	well eff.	well eff.	1	1		!	1
Date Collected:	08/03/92	08/03/92	08/03/92	1	1 .	1		1
Time Collected:	11:30	11:30	11:30	1				
				=====================================	 	 		1
Aluminum, Soluble	İ	İ	0.100 υ	1	1			
Chromium	1	0.010 U	1	Ì		1		1
Copper	I	0.020 U	1	1	1	1		1
Iron	1	j 0.100 u	1	1	1		1	1
Lead	1	0.050 U	1	1		1	1	
Manganese	l	0.0050 U	1	1	1	1	1	
Nickel	1	0.040 U	•		1	ļ	1	1
Zinc	1	0.010 บ	Į	1	ł	1	1	I
	l	1	]	1	1	1 .	1	
	1	1	1	1		1		
	1	I	I	1	1	-		1
	l	1	1			1	1	1
	1	1	1		1	-		1.
		1	1	1	ļ		1	1
	į		1	1	1	1		1
	1	1	1			1		1

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 Laboratry Director



# 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 ME	THOD 824	40* A	NALYTIC	AL RE	SULTS -	ug/l		
Sample:	-001	-002	-003	1	1	ı	1	ı	
Location:	Stripper	Stripper	Stripper	1	i	i I	1	1	
	well inf.	well eff.		i	1	1	l t	1	
Date Collected:	08/03/92	08/03/92	08/03/92	1	1	i i	1	i i	
Time Collected:	11:30	11:30	11:30	1	1	1	1	] 	
	======================================	========= 	=======================================	=======================================	=======================================	:======== 	:======== 	.=====================================	====
Date Analyzed:	08/17/92	08/17/92	i	i	ł	1	I I	l l	
Diluiton:	11	11	i	i	1	1	1	1	
			i	i	i	1	i		
Vinyl Chloride	0.5 U	0.5 U	i	i	i	i	1	1	
Chloroethane	0.5 U	0.5 U	i	i	i	i	1 1		
1,1-Dichloroethane	0.93	0.5 U	i	i	i	1	i	l	
trans-1,2-Dichloroethene	0.5 U	] 0.5 ປ	i .	i	i	; 	1	i	
1,1,1-Trichloroethane	8.4	0.5 U	i	i	i	i	i	i	
Trichloroethene	14	0.58	i	i	1	i	i	1	
Tetrachloroethene	3.9	0.5 U	j -	1	i	1		i I	
		1		ļ	1	ĺ	İ	İ	
Surrogate Standard Recoveries	1	1	1		1			1	
	İ	i			İ	1		i i	
1,2-Dichloroethane-d4			1	ļ		į	İ	İ	
(Acceptance limits: 76-114%)	91	83		!	!	1	1,	1	
4-Bromofluorobenzene	1 07	1		-	1	1	1.	1	
	97	89		!	1	I	1	1	
(Acceptance limits 86-115%)	1	!	1		1	1			
	!	!		l	1	1		1	
	1	!	1		1	I	1	1	•
	I	l	1	l	l	1	1	1	

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: R92/03272 Date: AUG. 25 1992

Client:

Sample(s) Reference

Stripper Well

Signore Inc.

Date Received: 08/04/92

Date Sample Taken: 08/03/92

			RATORY C ATE ANAI		E			
Sample: Location:		Stripper		 	 	   		
Aluminum, Soluble Chromium Copper Iron Lead	           	   08/11/92   08/11/92   08/11/92   08/11/92	   08/07/92         		       	 		
Manganese Nickel Zinc	 	08/11/92   08/11/92   08/11/92   08/11/92 						1 
	       		 	  -  -  -  -	 	 	         	 
	         		       	       	1 	 	 	]         
	       				.  -  -  -  -  -	         	       	

#### GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD GTC Job No. <u>R92/3272</u> 710 Exchange Street 85 Trinity Place 435 Lawrence Bell Drive Rochester, NY 14608 Hackensack, NJ 07601 Amherst, NY 14221-7077 Client Project No. \_ Sample Origination & Shipping Information STRIPPED Collection Site SIGNORE TOC JEFFER SOW Street Bottles Prepared by Rec'd by Bottles Shipped to Client via Seal/Shipping # Samples Shipped via\_ Seal/Shipping # Sample(s) Relinquished by: Received by: Date/Time 1. Sign 1. Sign for for 2. Sign 2. Sign for for 3. Sign 3. Sign for for 814192 @ 09:30 Sample(s) Received in Laboratory by Sample Prep Client I.D.# Sample Location Analyte or Bottle Set(s) Analyte Group(s) Required Preserved Filtered Lab# Date/Time (see below) (see below for additional) Y N SIGNORE INC fayo Low LEVEL INFLUENT -5.64 SIGNORE, INC 8240 Low LEVEL EFFLUEUT SIGNORE, INC ZN. STRIPPER WELL SIGNORE, INC STRIPPER WELL ISSOLUED 11.30 Am Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type. 4 Bottle No. 1 3 5 6 7 9 2 8 11 40 ml Pint Qt. 4 oz. 8 oz. 16 oz. Qt. Gal. Steril. **Bottle Type** Plastic Vial Glass Plastic Plastic Glass # of each

1

3

5

Additional Analytes

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

<sup>\*</sup> 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), \_\_\_\_(X), \_\_\_\_(Y).



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

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 aldolcondensation 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.



### LABORATORY REPORT

Job No: R92/03609

Date: SEPT 18 1992

Client:

Sample(s) Reference

Mr. James Fitzpatrick Signore Inc.

Stripper Well

Signore inc. 43 Jefferson St.

Ellicottville, New York 14731

Received

: 08/24/92

P.O. #: P005959-00

			ANAL	ZTI(	CAL RESULT	s - mg	/1		
Sample:	-001	-002	-003	1	1	ı	ļ	1	
Location:	INFLUENT	EFFLUENT	EFFLUENT	1		1	L	1	
	1	1	1	l	İ	1	1	1	
Date Collected:	08/21/92	08/21/92	08/21/92	I	1	1	l	1	
Time Collected:	11:00	11:00	11:00	1	1	1	ł		
			.=====================================	 					
Aluminum, Soluble	l	1	0.100 U	ĺ		İ	ĺ	1	
Chromium	l	0.050 U	1	1	i	1	1	İ	
Copper	1	0.020 U		1	1	1	i	1	
Iron	1	0.050 U	1	1	1	1	1		
Lead	1	0.0100 U	1	ı	İ	ĺ	1	1	
Manganese	1	0.010 U	1	1	ĺ	ĺ	1	I	
Nickel	1	0.040 U	1 .	1	1	1	1	1	
Zinc	1	0.010 U		ı		1	1		
		1	1		1	-	1	1	
	j	1	1	1	1	1	1	1	
	1	1	1	1	1		1	1	
	i	1		1	1	i	1		
	I	1		1	i	1	1	1	
	1	1		1	ĺ	1	1	1	
	i	1	1	ĺ			1		
	1	1			1	1	1		

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

Milel K. Perry Laboratory Director

# General Testing Corporation

# A Full Service Environmental Laboratory

# LABORATORY REPORT

Job No: R92/03609

Date: SEPT 18 1992

Client:

Sample(s) Reference

Mr. James Fitzpatrick Signore Inc.

Stripper Well

43 Jefferson St.

Ellicottville, New York 14731

Received

: 08/24/92

P.O. #: P005959-00

Sample:	VOLATILES BY	EPA ME	THOD 824	10* Al	NALYTI	CAL RES	SULTS -	ug/l		
Date Collected:   108/21/92   08/21/92   08/21/92   11:00	Sample:	-001	-002	-003	1	1		1	1	
Time Collected:   11:00   11:00     11:00		INFLUENT	EFFLUENT	EFFLUENT	1		!		1	
Time Collected:   11:00   11:00     11:00		1		100,000,000	1		 	l l		
Date Analyzed:   09/04/92   09/04/92		•	•	•	1	1		1	1	
Diluiton:   1	Time Collected:	11:00	11:00 =	11:00	 ========	 	 	 ==========	===========	=====
Diluiton:   1		 		1	1	1	1	1		
Chloroethane	Date Analyzed:	09/04/92	109/04/92	1	1	1		ļ	ļ	
1,1-Dichloroethane   2.0   0.5 U	-	1	1	1	1	ļ	1	!	I	
1,1-Dichloroethane   2.0   0.5 U		1		1	ļ	]		.	 	
Trans-1,2-Dichloroethene	Chloroethane		•	1	1	1	ļ	I 1	l 1	
Tetrachloroethene   5.6   0.5 U			•		Į.	l l	[ 1	} 1	1	
1,1,1-Trichloroethane   11		•	•	l	ļ		l •	i i	ì	
Trichloroethene	Tetrachloroethene	5.6	•	1		!	1	i i	1	
Vinyl Chloride   0.5 U   0.5 U	1,1,1-Trichloroethane	11	•	ļ	1	!	1	1	1	
Surrogate Standard Recoveries  1,2-Dichloroethane-d4 92 88  (Acceptance limits: 76-114%)  Toluene d8 109 107  (Acceptance limits 88-110%)  4-Bromofluorobenzene 96 95	Trichloroethene		•	1		1	ļ.	1	1	
1,2-Dichloroethane-d4   92   88	Vinyl Chloride	0.5 U	0.5 U			1	l l	i	1	
1,2-Dichloroethane-d4   92   88		1	!		İ	1	 	1	\ \	
1,2-Dichloroethane-d4   92   88		1	!	!	1	l I	1	.	Ì	
(Acceptance limits: 76-114%)  Toluene d8   109   107    (Acceptance limits 88-110%)	Surrogate Standard Recoveries	. [	ļ	1	1	1	1	i	Ì	
(Acceptance limits: 76-114%)  Toluene d8   109   107    (Acceptance limits 88-110%)		!	ţ	1	1	i 	i	i	i	•
(Acceptance limits: 76-114%)  Toluene d8   109   107    (Acceptance limits 88-110%)		1 02	1 88	1	l I	: !	i	Ì		
Toluene d8   109   107		74	1 00	i I	1	i	i	İ	1	
(Acceptance Limits 88-110%) 4-Bromofluorobenzene 96 95		l l 100	i i 107	i I	1	i	i	i	1	
4-Bromofluorobenzene   96   95		1 107	1	1	1	,	i	Ì	1	
4-Bi-Oilot tool oberizene		1 06	i 1 95	1	i	i	į	1	1	
(Acceptance Chints 60-117%)		1	1	1	i	i	İ	1	1	
	(Acceptance timits 00-115%)	l 1	1	<i>i</i>	i	i	ĺ	1	1	
		1	! 	1	i	i	ĺ	1		
		} 1	i I	1	ì	i	İ	1	1	

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 C. 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: Location:	-001  INFLUENT 	-002  EFFLUENT 	-003  EFFLUENT	   	1 1	 		 				
Aluminum, Soluble	     	:========     	     08/27/92	========   	     	     	======================================	)   				
Chromium	i	09/02/92	1	1	ŀ	i	1	i				
Copper	i	08/27/92	i	i	i	i	i	j				
Iron	İ	08/27/92	1	1	j	j	ĺ	Ì				
Lead	1	08/27/92	1	1	ı		1	1				
Manganese	I	08/27/92		1	1		l	1				
Nickel	1	08/27/92	1	1	1	I	1	1				
Zinc	ļ	08/31/92		1	1	l						
	ļ	!	!	!	!	!	!	ļ				
			!	1		!	!	. [				
	1	!	ļ	[	!	•	1					
	ļ.					l .		} •				
	1	1	1		ļ	1	l i	1				
	1	1	1	1	j r	l I	1	1				
	] 	I I	1	1	1	1	 	1				
••	l I	i i	1	1	1	1	i I	! 				
	1	1	•	1	1	!	! 	i				
	.	1	1	1	i	1		1				
	1	i	1	1	i	i	i	i				
	ľ	! }	İ	i	i	i	i	i				
	i	İ	i	i	i	i	i	i				
	Ì	i	i	i	i	i	i	i				
	İ	İ		İ	i	i	i	1				
	Ī	Ì	1	1	ĺ	1	1	1				
		1	1	1	1	1	1	1				
	1	1	l	1	1		1	1				
	1	1	1	1	l		1					
	1	i	1	1	•	1		1				
	ļ		1	1	!	1		!				
	l				ļ		!	!				
	1	l	1		1	1		!				
	ļ.		1		ļ		,	!				
•	!	l		1				!				
	1	l	1	l	j	i	I	I				

Samp	le Origination Collection	Sita	SIGNIE	DE	Tic								
	Address		K3 7	EFFE	2500 5	it d	EUICO	אטנד	LE /	VY		14221	•
	Address Collector_	Street		_	City			Stat	e ,	, 9	1	Zip	
	Collector	Print	CHEIC		WAICE	)	— <del>~</del>	uch	uc	Signa	ature		
	Bottles Pre Bottles Shi	pared by _ oped to Cli	ent via	Uf	55111	R							
	Samples SI	nipped via_		W	·\$ .	Se							-
Same	lo(s) Doling	riched by						_					
Jann	le(s) Relinqu	Flitch		0 /		1. Si	eived by:				Da	te/Time	
	for	FLUCK SIGNO				1. Si	<del></del>				<del></del>		
	2. Sign	<u> </u>	CE , 10	<u> </u>		2. S						<del>,                                    </del>	
	for					fo				·		:	
	3. Sign					3. S					/	' /	
	for			· · · · · · · · · · · · · · · · · · ·		fo						:	
Samp	le(s) Receiv	ed in Labo	ratory by	·	Tom	/	Haste	-	·		2419	2 @ 0°	7:4
	ent I.D.#	Sample	Location	*	Analyte	Analyte or Group(s) f	r Required	Sai	mple Pre	p		tle Set(s)	I
	ab≢		e/Time		(see be	low for ad	ditional)		Ved Fill	N	(se	e below)	
	ŀ	SIGHORE					,					1	
***************************************		JELL - IN	RUEN		814	DOI UOI	<del>)</del> S	X		X			
(4.57)	18661	راجري	. :							1	1		
	col	8 8		Am									
		SIGNORE		.		. ^	,				- 1		
	Lavannan	JELL - E	FFLUE	707	8240	UbA	<u>s</u>	X		X	_//	<u> </u>	
292	2,664	e /21/	<b>a</b> - :.								Ψ		
	962	0 2		gan						-			
	L L	SIGNORE		1						1.		?	
	ikamanan Z	SELL E	PFLUE	XT	ME	17465		Х		X			
	3,610	0/2/	o- :.										
	681	0 7	92 //										
	ı	signole			1 1	/_						/_	
		DECL EF	FLUEU	7	He (	Disso	RUED)			101		0	
	76 7	ا المدان	G = 1,2	· 10			_						
		5 7	71 4	Am		-							
									Ī				
		······································			-		· · · · · · · · · · · · · · · · · · ·			++		<u></u>	-
		/ /	:										
				1	<u> </u>								
Use E	Bottle No. foi	indicating	type bott	nes used	in each b	ottie set a	and fill in	DOX WIT	n # of b	otties us	sea tor	each type	<del>)</del> .
В	ottle No.	1	2	3	4	5	6	7	8	3	9	10	
R	ottle Type	40 ml	Pint	Qt.	4 oz.	8 oz.	16 oz.	Qt	G		Steril. Pl.		
ļ		Vial	Glass	Glass	Plastic	Plastic	Plastic	PI.		'l.	Г1.		
#	of each	1 2				1							
<u> </u>				L		<del></del>	<u> </u>					·	

\* 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).



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

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 aldolcondensation 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.



# LABORATORY REPORT

Job No: R92/03868

Date: SEPT 22 1992

Client:

Sample(s) Reference

Mr. James Fitzpatrick Signore Inc.

Stripper System

43 Jefferson St.

Ellicottville, New York 14731

Received

: 09/04/92

P.O. #: POO5959-00

VOLATILES BY	EPA ME	THOD 824	0*	ANALYI	CICAL RE	SULTS -	ug/l	
Sample:	-001	-002	I	1	ı	1	l	l
Location:	INFLUENT	EFFLUENT		1	1	1	1	1
	1		1	1	1	1	1	l
Date Collected:	09/03/92	09/03/92		1	1	1	1	
Time Collected:	08:45	08:45 	 =======	 =========	<b> </b>			
	1	1	1	1	1	 	1	a.
Date Analyzed:	09/15/92	09/15/92	l	1	1	1	1	
Diluiton:	]1	1 	1	ļ		1		
1,1,1-Trichloroethane	8.4	1 ] 0.5 U	1	1 	; 	1	l	
Trichloroethene	15	0.5 U	1	ĺ	ĺ	İ	i	
Tetrachloroethene	3.4	0.5 υ	1	ļ	į	İ	Ì	
		1		. [	1	1	1	1
Surrogate Standard Recoveries	i	i	İ	i	i	i	i	i
	1			ļ.		1	!	1
1,2-Dichloroethane-d4	l l 100	l I 96	1	1	l	1	l	
(Acceptance limits: 76-114%)	j 100	1 70	1	1	1	1	1	! !
Toluene d8	1 103	1 104	1	i į	1	ŀ	1	i İ
(Acceptance limits 88-110%)	1 .05	1	ì	;	i	i	1	1
4-Bromofluorobenzene	1 90	1 90	i	i	i	i	1	i
(Acceptance limits 86-115%)			i	i		1	l	i
	i	ĺ	i	i	į	İ	i	į
	j	i ·	i	i	i	İ	i	İ
	İ	İ	1	ĺ	-	ì	İ	1

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. Penny Laboratory Director

Sam	collection : Address		S1610	ORE	Tuc	STREET								por comme
\	Collector	Stree	t		Citv			St	ate				Zip	
ι			FLET			-			$\alpha$		Signat	ure		_
	Bottles Pre	pared by poped to CI	G / (	- 09 1 PS		R	ec'd by _ eal/Shipp	nina #	4	lun	<i>\$</i>			
	Bottles Pre Bottles Shi Samples St	hipped via	x D	CP3-	Next	Doy.s	eal/Shipp	oing #						•
Sam	ple(s) Relinqu	uished by:		•		Rec	eived by:					Dat	e/Time	
	1. Sign X		cher C	- Cia	ed_	1. S		[3] GT	<u>Sna</u>	<u>u</u>			4 192	
	2. Sign	Sion	OKE			2. S		61	د			09	1:05	
	for 3. Sign					fo							: ,	
	for					3. S fo						<del>  '</del>	:	
Sam	ple(s) Receiv	ed in Laho	raton, by				3 Bn	110			911	119	2) @ D	' 9 : .
	lient I.D.#		Location	$\overline{}$	$\overline{\mathcal{N}}$	Analyte o	r .	\\S	ample	e Prep	$\overline{}$			<u> </u>
	Lab#	<u>-</u>	e/Time	*	Analyte (see be	Group(s) I low for ad	Required ditional)	Prese	rved	Filter	ed)	Bott (see	le Set(s) e below)	ļ
	1	SIGNORE.	STRIME			_			$\ddot{=}$	÷Ħ			1	
INF	LUEUT	WELL			82	40 - L	. (	X		\				
	-001	9/3/	91 8:4	San		1							)	
		SIGUIRE	STRIPPL	2				0				<u> </u>		
EFE	)	WELL												
		9 13 1	الا: دو	de					÷					
	-009-		0.	2		<u> </u>								
	<b>!</b>				ON	Hoc	D	. [				\	$\bigvee$	
		/ /												
ON	HOLD	, ,	•											
1														
											_		······································	
		/ /	:											
		/ /	:											
Use	Bottle No. for	indicating	type hott	les used	in each b	ottle set a	nd fill in	hox w	ith#	of bottl	es use	d for e	each tyne	
	Bottle No.	1 1	2	3	4	5	6			8	g		10	1
<b> </b>		40 mi	Pint	Qt.	4 oz.	8 oz.	16 oz.	7   Q		Gal.	Ste		10	
<u> </u>	Bottle Type	Vial	Glass	Glass	Plastic	Plastic	Plastic	P		Pl.	P			
- 7	# of each	2												
Addit	tional Analyte	es							,					
	-			***************************************										_



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

Márshall Shannon

Customer Service Director

Enc.

cc: Mr. Jeff Schick



Effective 10/1/91

#### 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 aldolcondensation 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.



#### LABORATORY REPORT

Job No: R92/04183

Date: OCT. 14 1992

Client:

Sample(s) Reference

Mr. James Fitzpatrick

Signore Inc.

Stripper Well

43 Jefferson St., PO Box 1448 Elliottville, NY 14731

Received

: 09/24/92

P.O. #: POO5959-00

VOLATILES BY	EPA MET	THOD 824	0* A1	NALYTICA:	L RESULTS -	ug/l	
Sample:	] -001	-002	-003	1	1 1	1	1
Location:	INFLUENT	EFFLUENT	EFFLUENT	i	i i	i	į
	j	ì		ĺ	i i	Ì	1
Date Collected:	09/23/92	09/23/92	09/23/92	1	1	1	1
Time Collected:	08:30	08:30	08:30	1	1	1	1
	:======:: 	========= 	:======== 	:========= 			:=====================================
Date Analyzed:	  10/01/92	10/01/92	1	 		1	# #
Diluiton:	1	1		İ	i i	i	i
		1		İ	1	i	1
Vinyl Chloride	0.5 ບ	0.5 U		1	1	1	1
Chloroethane	0.5 ບ	0.5 U	1	1	1	1	1
1,1-Dichloroethane	0.8	0.5 υ	i	1	1	1	1
Total-1,2-Dichloroethene	0.5 ບ	0.5 U	1	1	1 1	Ì	!
1,1,1-Trichloroethane	8.8	0.5 U	1	1	1 1	Ì	i
Trichloroethene	13	0.5 U	1	Ì	i i	j	i
Tetrachloroethene	3.3	0.5 U		İ	1	1	1
·		1	-	1	1	1	
		1	i	1	1	. 1	1
Surrogate Standard Recoveries	1	1	1	1	1	1	1
	1	1	1	1		ì	
	]	}	1	l	1	1	I
1,2-Dichloroethane-d4	97	86	1	1			
(Acceptance limits: 76-114%)	1	Į.	İ		1	1	
4-Bromofluorobenzene	109	100	1		1	1	1
(Acceptance limits 86-115%)	1		1	1	1	1	1
	1		1	I	1	1	1
	1	I	1	I	1	1	1
i	1			1	1	1	1

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 REPORT

Job No: R92/04183

Date: OCT. 14 1992

Client:

Sample(s) Reference

Mr. James Fitzpatrick

Stripper Well

Signore Inc.

43 Jefferson St., PO Box 1448

Elliottville, NY 14731

Received

: 09/24/92

P.O. #: POO5959-00

			ANALY	TICAL	RESULTS	- mg/l		
Sample:	-001	-002	-003	ŀ		1	1	1
Location:	INFLUENT	EFFLUENT	EFFLUENT	Ī	l	i	Ì	1
	1	1			1	1	1	1
Date Collected:		09/23/92	09/23/92	1	1		1	1
Time Collected:	08:30	08:30	08:30	1	1	1		1
Aluminum, Soluble			] 0.100 υ	1				1
Chromium	1	0.010 U	1	1	1	l I	1	1
Copper	i	0.020 U	1	1	1	l l	I 	1
Iron	! !	0.100 U	1	i 	i I	1	1	} [
Lead	i	0.0010 U	1	Ì	i I	1	1	1
Manganese	i	0.0050 U	1	ì	1	1	1	
Nickel	i	0.040 U	1	i	i	1	1	i
Zinc	i	0.0186	1	i		1	1	i
	! 	1	1	i	i	1	1	i
	i	i	1	1	1		1	i
	İ	i	1	i	i	1	i	i
	i	i		i	1	i	i	1
	i	İ		i	ĺ	i	1	i
	i		i	i		i	1	;
	i		1	i	i	i	i	i
	i		1	1		1	1	
	•		•	•		•	•	

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: R92/04183

Date: OCT. 14 1992

Client:

Sample(s) Reference

Stripper Well

Date Received: 09/24/92

Signore Inc.

Date Sample Taken: 09/23/92

LABORATORY CHRONICLE  DATE ANALYZED											
Sample: Location:	-001  INFLUENT 	-002  EFFLUENT 	-003  EFFLUENT	[   	   	 	   	 			
Aluminum, Soluble Chromium Copper Iron Lead Manganese Nickel Zinc			   10/07/92                                     		 	 					
·	   	 	   	  - 		   	   				

	GENERA	L TEST	ING CC	RPOR	ATION/	CHAIN-	OF-CL	ISTO	OY RE	ECORI	D .		
								e G1	GTC Job No. R92/4/83 Client Project No				
Sample Origina	ation & Ship on Site			Tiv	n								
Address	Ġ	なが	FrEA	الالاح	37	ELLICO	777)/	115		111	147	271	
Collector	Stre	ETCH	ee u	PART	)	Lle	Stat	e C		aid	Zi	p	
D-W- D			STC-L	19-			ο.	•		gnature			
	repared by hipped to C					Rec'd by _		unt					
	Shipped via		25N.	ex+ C	Day.	Seal/Ship Seal/Ship	ping # _ nina #						
Sample(s) Relin	auished by				8			***************************************					
1. Sign		11 8 1	1)010	/	Received by:  1. Sign					Date/Time			
for	Sign	ore.	Lie	ţ		or or					<u>/ /</u>	$\dashv$	
2. Sign	1				2. 5	Sign					/ /	-	
for 3. Sign				···		or					:		
for					3. S	or or					<u>/ /</u>	$\dashv$	
Comple/e) Deser									G	011	<u>·</u>	_ 6G >	
Sample(s) Rece										1241	<u>92 @ (</u>	27:00	
Client I.D.#	<u> </u>	e Location	<u></u> *	Analyte	Analyte of Group(s)	Required	Sar Preserv	nple Pr	ep tered		ttle Set(s		
4.33.	STRIPPL	te/Time	51	(see be	elow for ac	dditional)	Y	Y	N	(56	ee below	)	
"	SIGNOR		i	824	D ALC	CLAS	X		X	1			
-061	9 33	192 8	30am										
	STRIPPE		j			•							
	SiGNOR	EFF	LIENT	824	O Acc	WAS	X		×	1			
(-002	9/23	192 8	300					İ					
	STRIPPE												
4183-5		Me	METRY 5 X										
	SIGNORE POTICEUT METALS X X 5												
- <del>0</del> 02	9 23		30 Am										
	STRIPP	PER WI	4	4									
	SIGNALE	Alie	Auent Dis X				1 5						
644100	a / 12												
	7 23	192 f.	ا تغذ،										
					······································								
	/	<i>'</i> :											
Use Bottle No. fo	or indicating	tyne hot	lles used	in each b	ottle set :	and fill in	boy with	# of b	\	.aad far	aaab tuu		
	<del></del>	· · · · · · · · · · · · · · · · · · ·	·	r	<del></del>	<del></del>	1				each typ	<i>.</i>	
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.	Ga P	al. I.	Steril. Pl.			
# of each													
Additional Analyt	tes							•					
Shaded area for								-	_				
* Source Codes	: Monitoring River or St	g Well (W), ream (R)	. Soll (S), 1 Pond (P)	i reatmen Industria	it Plant (T) Il Dischar	), Drinking ne (1)	) Water (	D), Lea					
		Cam (11),	. Ond (F),	muustiid	יי היפרוומול	عات (۱/) ــــــــــــــــــــــــــــــــــــ			(^),			(Y	



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,

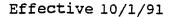
GENERAL TESTING CORPORATION

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 aldolcondensation 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.



#### LABORATORY REPORT

Job No: R92/04296

Date: OCT. 26 1992

Client:

Sample(s) Reference:

Mr. James Fitzpatrick Signore, Inc.

Stripper System

43 Jefferson St.

Ellicottville, NY 14731-1448

Received

: 10/05/92

P.O. #: PO05959-00

ANALYSIS * BY GC	METHOD	8240	ANA	LYTICAL	RESULTS	- ug/l		
	-001	-002	]	į				
Location:	INFLUENT	EFFLUENT	I	2	]			
Dana Gallanana	] :		!		1			
	-	10/02/92	]	**.	]			
Time Collected:	13:30 	13:30	1		1			
	 	 	:::::::::::::::::::::::::::::::::	========= 	=======================================			
Date Analyzed:	10/13/92	10/13/92	: [	[ ]	! !			
Dilution:	1	1	•	1	! !			
			I	' 	! !			
			1					
Trichloroethene	15	0.5 U						
1,1,1-Trichloroethane	   9.0							
1,1,1-11 icircoroechane	<b>Y.</b> U 	0.5 U		[ 1				
Tetrachloroethen <del>e</del>	   3.1	ເ   0.5 ປ	[ ]	<b>j</b> 1	1 1			
			1	! 	i i		, 	
			1	! 	, . 		•	
SURROGATE STANDARD RECOVERIES			Į					
		Ì	1					
% Recovery		]	1					
			1	1				
Bromofluorobenzene	90	93	!		]			
·	1			 				
	 	 	 	 	] ]			
1,2-Dichlorobenzene-d4	l   81	l l 80	1 1	<b>l</b>	1 1 1 1			
.,	, <del>-</del> •		! 	! 	] 			
	' 	<b>!</b>	ľ	) ]	] 	! 		
	•		•	•	•	'	'	

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 GTC Job No. <u>\$2/4296</u> 710 Exchange Street 85 Trinity Place 435 Lawrence Bell Drive Rochester, NY 14608 Hackensack, NJ 07601 Amherst, NY 14221-7077 Client Project No. \_ Sample Origination & Shipping Information Collection Site 1 Address K Collector/ Bottles Prepared by Rec'd by Bottles Shipped to Client via Seal/Shipping # Seal/Shipping # Sample(s) Relinquished by: Received by: Date/Time 1. Sign 1. Sign for for 16x10hE 2. Sign 2. Sign for for 3. Sign 3. Sign for for 1015192 @ 09:15 Sample(s) Received in Laboratory by Sample Prep Sample Location Analyte or Client I.D.# Bottle Set(s) nalyte Group(s) Required Preserved Filtered Laor Date/Time (see below) (see below for additional) Ν STPSPPER WELL 8240-LL 十 DIV HOLD 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. 5 10 11 4 oz. Plastic 8 oz. Plastic 16 oz. Plastic Gal Steril. 40 ml Pint Qt **Bottle Type** Vial Glass

3

4

5

# of each

Additional Analytes

wiel broken upon seseipt

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), \_\_\_\_\_(X), \_\_\_\_\_(Y).

RECENTED 1993