O'BRIEN & GERE
ENGINEERS, INC.

Transmittal

To: Mr. Michael Hinton
New York State Department of
Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2999

Date: June 21, 1999

File: 1163/22336 #2

Re: Cherry Farm/River Road Site

We are sending you:

_herewith x_under separate cover: _drawings_descriptive literature_X_letters

If material received is not as listed, please notify us at once.

Quan.	Identifying Number	Title	Action*
1		Ground Water and Surface Water Semi-Annual Monitoring Report	I

*Action letter code: **R**-reviewed **N**-reviewed and noted **I**-for your information
S-resubmit **J**-rejected **Y**-for your approval

Remarks:

cc: David Paley (AlliedSignal) w/o attachments
M.Raybuck (Parsons) w/o attachments

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Peter Bogardus

Peter Bogardus
Project Hydrogeologist

I/div71/proj/1163/22336//2_corre/62199trm

O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • http:// www.obg.com
... and offices in major U.S. cities

O'BRIEN & GERE
ENGINEERS, INC.

June 11, 1999

Mr. David Paley
Allied Signal, Inc. Engineered Materials
101 Columbia Road
Morristown, NJ 07962

Re: Ground Water and Surface Water
Quarterly Monitoring Report
Cherry Farm/River Road Site
Tonawanda, NY

File: 1163/22336 #5

Dear Mr. Paley:

The following is a summary of the semiannual ground water and surface water monitoring event and results at the Cherry Farm/River Road Site in Tonawanda, NY. The monitoring event was conducted in accordance with the Scope of Work for Post-Remedial Construction Ground Water and Surface Water (SOW) developed by Parsons Engineering Science (Parsons ES) dated September 1997.

GROUND WATER QUALITY MONITORING

Ground water monitoring wells and ground water collection trench sumps were sampled between April 19 and 21, 1999. Samples were collected from the following locations:

Upgradient wells	Downgradient wells	Sumps
MW-1 (Cherry Farm)	MW-3 (North of RW-1)	S-1
MW-2 (River Road)	MW-4 (between RW-2 & RW-3)	S-2
	MW-5 (between RW-4 & RW-5)	S-3
	MW-6 (between RW-8 & RW-9)	
	MW-7 (between RW-10 & RW-11)	

Monitoring wells and sumps were sampled in accordance with procedures in the SOW. Ground water sampling logs are included as Attachment 1. Purge water was contained and conveyed to the on-site treatment plant.

Ground water sampling equipment including water level meters, bailers, pH meters, temperature meters, and conductivity meters were decontaminated prior to using the equipment and between sampling points in accordance with the SOW. Decontamination fluids were contained and directed to the on-site treatment plant.

O'Brien & Gere Engineers, Inc., an O'Brien & Gere company
5000 Brittonfield Parkway / P.O. Box 4873, Syracuse, New York 13221-4873
(315) 437-6100 / FAX (315) 463-7554 • http://www.oag.com
and offices in major U.S. cities

Ground water samples were shipped to O'Brien & Gere Laboratories, Inc. in Syracuse, NY using chain-of-custody procedures. Samples were analyzed in accordance with NYSDEC Analytical Services Protocol (ASP) for target compound list (TCL) volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides and polychlorinated biphenyls (PCBs), and target analyte list (TAL) inorganics including cyanide. Quality assurance/quality control (QA/QC) samples including matrix spike/matrix spike duplicates (MS/MSD), field (blind) duplicates, and trip blanks were also collected and analyzed per the SOW. Chain-of-custody forms are included in Attachment 1.

SURFACE WATER QUALITY MONITORING

One surface water sample (surface sample location #1) was collected on February 18, 1998 from the northernmost designated open channel sample location. The two remaining open channel sample locations were dry. The surface water sample was collected in accordance with procedures presented in the SOW. The sample was shipped to O'Brien & Gere Laboratories and analyzed for TCL VOC, TCL SVOC, pesticide\PCB, and TAL inorganic parameters. The surface water sampling log is included in Attachment 1.

WATER LEVEL MONITORING

Ground water levels were measured on January 28, February 22, March 29, April 19, and May 28, 1999 at each of the following locations:

- Seven ground water monitoring wells - MW-1 through MW-7
- Nine piezometers - OW-1 through OW-9
- Eleven recovery wells - (RW-1 through RW-11)
- Four sumps - S-1 through S-4

Measurements were recorded to the nearest 0.01 foot from the top of each well casing using an electric water level indicator. Water level measurements are presented in Table 1. Light aqueous phase liquid (LNAPL) was observed in sump S-1 during three of the five monitoring events at a thickness ranging from approximately 1/8 to 1/4 inch.

ANALYTICAL RESULTS

Analytical data for the April 1999 semiannual monitoring event is presented on tables included in Attachment 2. A summary of detected compounds are presented in Table 2. Concentrations of detected constituents were compared to NYSDEC Class GA Water Quality Standards. Those compounds which exceed NYSDEC Class GA Standards are flagged with a "y".

Inorganic

Concentrations of iron, manganese, and sodium were detected in most wells at concentrations above NYSDEC Class GA standards. Antimony was detected in well MW-1 above NYSDEC Class GA Standards. In addition, other inorganic constituents including arsenic, chromium, and lead were detected in MW-2 above NYSDEC Class GA Standards. Sumps S-1, S-2 and S-3 also contained concentrations of iron, manganese, sodium and antimony at concentrations above NYSDEC Class GA Standards.

Volatile organic compounds
Concentrations of VOC constituents in well MW-5 and sumps S-2 and S-4 exceeded NYSDEC Class GA standards as summarized below.

Location	Volatile Organic Constituent
MW-5	benzene, ethylbenzene, toluene, and xylene
S-2	cis-1,2-Dichloroethene
S-4	1,1-dichloroethane, *cis*-1,2-dichloroethene, *trans*-1,2-dichloroethene, benzene, ethylbenzene, vinyl chloride and xylene

Semivolatile organic compounds
As noted in Attachment 2 and Table 2, a number of SVOC constituents, predominantly phenolic compounds, were detected at concentrations that exceed NYSDEC Class GA standards. The constituents were detected in the site sumps S-1, S-2, S-3, S-4 and one monitoring well MW-5.

At sump S-1, 4,4'-DDE, PCB aroclor 1248 and 1260 exceeded NYSDEC Class GA standard. At sumps S-2, S-3 and S-4 PCB aroclor 1242 was the only compound above Class GA standards. .

The QA/QC information provided by the laboratory indicates that sample holding times, surrogate recoveries, and MS, MSD's were within acceptable ranges with minor exceptions. The laboratory QA/QC narrative summary is included in Attachment 3.

SCHEDULE

Ground water elevation monitoring events are scheduled to occur on a monthly basis through September 1999 in accordance with our current Purchase Order.

Should you have any questions regarding this report, please contact Deborah Wright at 315-437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Deborah Y. Wright, CPG
Managing Hydrogeologist

I:\DIV71\PROJECTS\1163\22336\5_RPTS\2ND99LTR.WPD
Attachments

cc: Mark Raybuck P.G. (Parsons Engineering Science)

Table 1

Ground Water Elevations

Table 1
Ground Water Elevations
Cherry Farm River Road Site
Tonawanda, NY

	TOC		11/21/97		12/5/97		12/24/97		1/6/98		2/2/98		2/18/98		4/1/98		4/27/98		5/27/98		6/25/98
Well	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation
MW-1	577.68	11.32	566.36	11.48	566.20	11.79	565.89	11.48	566.20	11.62	566.06	11.53	566.15	11.10	566.58	11.34	566.34	11.37	566.31	11.5	566.18
MW-2	576.76	13.13	563.63	12.84	563.92	13.18	563.58	12.8	563.96	12.81	563.95	12.82	563.94	12.36	564.40	12.57	564.19	12.69	564.07	12.69	564.07
MW-3	571.16	5.29	565.87	5.57	565.59	5.87	565.29	5.45	565.71	5.45	565.71	5.48	565.68	5.12	566.04	5.31	565.85	5.5	565.66	5.59	565.57
MW-4	583.83	18.20	565.63	17.96	565.87	18.1	565.73	20.17	563.66	Frozen		18.06	565.77	18.02	565.81	17.90	565.93	18	565.83	17.99	565.84
MW-5	584.14	18.47	565.67	19.11	565.03	19.19	564.95	18.91	565.23	18.82	565.32	19.04	565.10	18.69	565.45	18.78	565.36	18.04	566.10	18.65	565.49
MW-6	585.70	20.84	564.86	20.72	564.98	21.03	564.67	20.43	565.27	20.34	565.36	20.8	564.90	20.30	565.40	20.10	565.60	20.38	565.32	20.28	565.42
MW-7	586.40	21.09	565.31	21	565.40	21.15	565.25	20.8	565.60	20.57	565.83	20.92	565.48	20.61	565.79	20.63	565.77	20.78	565.62	20.77	565.63
OW-1	573.83	8.20	565.63	8.48	565.35	8.76	565.07	8.42	565.41	8.38	565.45	8.5	565.33	7.98	565.85	8.08	565.75	8.25	565.58	8.23	565.60
OW-2	584.14	15.45	568.69	15.62	568.52	15.57	568.57	15.77	568.37	15.80	568.34	15.62	568.52	15.88	568.26	15.99	568.15	15.93	568.21	15.81	568.33
OW-3	576.25	10.69	565.56	11	565.25	11.07	565.18	10.8	565.45	10.58	565.67	10.92	565.33	10.55	565.70	10.63	565.62	10.6	565.65	10.91	565.34
OW-4	572.21	6.67	565.54	6.93	565.28	7.07	565.14	6.76	565.45	6.62	565.59	6.9	565.31	6.45	565.76	6.48	565.73	6.6	565.61	6.8	565.41
OW-5	584.16	16.75	567.41	16.75	567.41	17.06	567.10	17.1	567.06	17.11	567.05	16.92	567.24	17.16	567.00	17.42	566.74	17.33	566.83	17.39	566.77
OW-6	572.12	6.09	566.03	6.3	565.82	6.36	565.76	5.97	566.15	5.70	566.42	6.03	566.09	5.82	566.30	6.01	566.11	6.22	565.90	6.56	565.56
OW-7	574.84	8.96	565.88	8.92	565.92	9.04	565.80	8.51	566.33	8.23	566.61	8.5	566.34	8.30	566.54	8.58	566.26	8.98	565.86	9.26	565.58
OW-8	571.31	5.59	565.72	5.53	565.78	5.6	565.71	5.27	566.04	5.15	566.16	5.31	566.00	5.22	566.09	5.34	565.97	5.71	565.60	5.74	565.57
OW-9	588.32	21.08	567.24	20.62	567.70	20.92	567.40	20.72	567.60	20.36	567.96	20.48	567.84	20.32	568.00	20.56	567.76	21.12	567.20	21.55	566.77
RW-1	581.82	16.13	565.69	22.17	559.65	22.17	559.65	21.18	560.64	16.28	565.54	19.42	562.40	21.51	560.31	21.31	560.51	21.2	560.62	21.53	560.29
RW-2	581.82	15.85	565.97	22.1	559.72	21.37	560.45	21.95	559.87	21.85	559.97	21.32	560.50	21.61	560.21	22.04	559.78	21.93	559.89	21.37	560.45
RW-3	582.30	10.30	572.00	22.63	559.67	22.7	559.60	19.77	562.53	21.96	560.34	22.29	560.01	22.68	559.62	22.10	560.20	22.12	560.18	22.24	560.06
RW-4	581.83	19.06	562.77	27.77	554.06	28.45	553.38	28.46	553.37	21.51	560.32	28.3	553.53	28.47	553.36	21.95	559.88	21.12	560.71	21.95	559.88
RW-5	582.05	16.39	565.66	37.67	544.38	22.44	559.61	22.28	559.77	21.70	560.35	21.47	560.58	33.98	548.07	22.27	559.78	21.51	560.54	18.37	563.68
RW-6	570.76	5.21	565.55	10.05	560.71	10.93	559.83	10.14	560.62	10.90	559.86	10.46	560.30	10.40	560.36	10.19	560.57	10.55	560.21	8.05	562.71
RW-7	570.67	4.91	565.76	10.55	560.12	11.06	559.61	10.47	560.20	10.79	559.88	10.85	559.82	10.40	560.27	10.65	560.02	10.23	560.44	5.26	565.41
RW-8	583.83	22.39	561.44	22.51	561.32	23.09	560.74	18.47	565.36	18.40	565.43	22.26	561.57	22.68	561.15	22.63	561.20	22.6	561.23	18.4	565.43
RW-9	583.86	24.05	559.81	23.36	560.50	23.58	560.28	18.45	565.41	18.37	565.49	23.58	560.28	21.75	562.11	18.12	565.74	18.4	565.46	18.24	565.62
RW-10	583.28	23.47	559.81	23.39	559.89	23.52	559.76	23.5	559.78	22.45	560.83	22.82	560.46	22.98	560.30	23.03	560.25	23.26	560.02	17.55	565.73
RW-11	581.22	20.95	560.27	20.24	560.98	20.09	561.13	20.95	560.27	20.83	560.39	20.09	561.13	20.28	560.94	21.13	560.09	20.58	560.64	17.84	563.38
S-1		6.97	*	7.8		8.07	*	6.4	*	6.45		7.68		5.84		5.99		6		7.56	
S-2		6.20		6.51		6.61		6.28		6.07		6.38		6.01		6.10		6.14		6.4	
S-3		5.96		6.28		6.33		5.88		5.63		6.03		5.75		5.94		6.1		6.47	
S-4		5.65		5.57		5.68		5.1		4.56		4.79		4.92		5.28		5.83		5.79	
Note:	NA - Not accessible																				
	* - Product thickness in sump S-1.																				
	11/21/97 - 0.5-inches			1/6/98	- 0.125-inches		4/1/98	- 0.125-inches		6/25/98	- 0.125-inches		9/28/98	- 0.125 inches							
	12/5/97 - 0.4-inches			2/2/98	- 0.125-inches		4/27/98	- 0.125-inches		7/31/98	- 0.125 inches		10/21/98	- sheen							
	12/24/97 - 0.125 -inches			2/18/98	- 0.125-inches		5/27/98	- 0.063- inches		8/27/98	- sheen		11/23/98	- 0.125 inches							
	2/22/99 - 0.125 inches			3/29/99	- 0.125 inches		5/28/99	- 0.25- inches													

Table 1
Ground Water Elevations
Cherry Farm River Road Site
Tonawanda, NY

Well	TOC Elevation	DTW	7/31/98 Elevation	DTW	8/27/98 Elevation	DTW	9/28/98 Elevation	DTW	10/21/98 Elevation	DTW	11/23/98 Elevation	DTW	12/29/98 Elevation	DTW	1/28/99 Elevation	DTW	2/22/99 Elevation	DTW	3/29/99 Elevation	DTW	4/19/99 Elevation	DTW	5/28/99 Elevation
MW-1	577.68	11.58	566.10	11.65	566.03	11.75	565.93	11.95	554.41	12.41	565.27	12.63	565.05	12.33	565.35	12.65	565.03	12.32	565.36	12.17	565.51	12.08	565.60
MW-2	576.76	12.91	563.85	12.84	563.92	12.96	563.80	13.11	550.52	13.67	563.09	13.95	562.81	13.75	563.01	13.89	562.87	13.75	563.01	13.56	563.20	13.43	563.33
MW-3	571.16	5.79	565.37	5.9	565.26	5.98	565.20	6.08	559.79	6.46	564.70	7.05	564.11	6.46	564.70	6.69	564.47	6.50	564.66	5.97	565.19	6.12	565.04
MW-4	583.83	18.09	565.74	18.18	565.65	18.18	565.65	18.45	547.18	18.87	564.96	19.3	564.53	19.07	564.76	19.12	564.71	18.84	564.99	18.71	565.12	18.58	565.25
MW-5	584.14	18.73	565.41	18.48	565.66	18.6	565.54	18.92	549.75	9.36	574.78	19.74	564.40	19.71	564.43	19.79	564.35	19.61	564.53	19.50	564.64	19.27	564.87
MW-6	585.70	20.48	565.22	19.93	565.77	20.32	565.38	20.3	544.56	21.14	564.56	21.69	564.01	21.65	564.05	21.68	564.02	21.58	564.12	21.37	564.33	21.34	564.36
MW-7	586.40	21.05	565.35	20.41	565.99	20.78	565.62	21	544.31	21.7	564.70	22.13	564.27	21.73	564.67	21.76	564.64	21.74	564.66	21.61	564.79	21.64	564.76
OW-1	573.83	8.41	565.42	8.3	565.53	8.38	565.45	8.69	556.94	9.14	564.69	9.66	564.17	9.39	564.44	9.56	564.27	9.36	564.47	8.89	564.94	8.91	564.92
OW-2	584.14	16.04	568.10	16	568.14	15.94	568.20	15.94	552.75	15.94	568.20	16	568.14	16.21	567.93	16.35	567.79	16.03	568.11	16.43	567.71	16.33	567.81
OW-3	576.25	10.55	565.70	10.03	566.22	10.1	566.15	10.42	555.14	10.8	565.45	11.38	564.87	11.25	565.00	11.29	564.96	11.27	564.98	11.26	564.99	11.15	565.10
OW-4	572.21	6.53	565.68	5.91	566.30	6.16	566.05	6.41	559.13	6.88	565.33	7.47	564.74	7.29	564.92	7.34	564.87	7.28	564.93	7.24	564.97	7.13	565.08
OW-5	584.16	17.53	566.63	17.06	567.10	16.96	567.20	17.06	550.35	16.95	567.21	17.32	566.84	17.8	566.36	18.08	566.08	17.95	566.21	18.17	565.99	18.22	565.94
OW-6	572.12	6.25	565.87	4.28	567.84	4.45	567.67	5.03	561.00	5.64	566.48	6.77	565.35	6.51	565.61	6.63	565.49	6.67	565.45	6.77	565.35	6.78	565.34
OW-7	574.84	8.95	565.89	7.62	567.22	6.4	568.44	7.25	558.63	8.07	566.77	9.62	565.22	9.23	565.61	9.42	565.42	9.53	565.31	9.61	565.23	9.49	565.35
OW-8	571.31	5.77	565.54	4.69	566.62	3.92	567.39	5.23	560.49	5.36	565.95	6.43	564.88	6.16	565.15	6.26	565.05	6.36	564.95	6.32	564.99	6.31	565.00
OW-9	588.32	NA	NA	NA	NA	17.43	570.89	18.63	548.61	20.08	568.24	NA	NA	NA	NA	NA	NA	NA	NA	21.64	566.68	21.75	566.57
RW-1	581.82	21.28	560.54	21.08	560.74	21.85	559.97	25.35	540.34	17.23	564.59	27.15	554.67	35.55	546.27	34.91	546.91	30.40	551.42	16.85	564.97	25.80	556.02
RW-2	581.82	21.55	560.27	21.53	560.29	21.4	560.42	25.61	540.96	26.01	555.81	25.88	555.94	26.32	555.50	25.81	556.01	25.70	556.12	25.40	556.42	25.65	556.17
RW-3	582.30	22.65	559.65	21.59	560.71	22.19	560.11	26.55	546.45	26.77	555.53	38.32	543.98	26.43	555.87	26.71	555.59	26.51	555.79	26.67	555.63	26.51	555.79
RW-4	581.83	21.81	560.02	22.08	559.75	21.52	560.31	24.51	538.26	24.53	557.30	17.29	564.54	25.25	556.58	24.91	556.92	25.21	556.62	25.31	556.52	24.66	557.17
RW-5	582.05	22.02	560.03	22.28	559.77	21.75	560.30	25.42	540.24	37.62	544.43	25.61	556.44	25.68	556.37	37.84	544.21	37.57	544.48	37.68	544.37	26.03	556.02
RW-6	570.76	10.42	560.34	10.12	560.64	5.36	565.40	15.2	559.95	14.23	556.53	14.63	556.13	6.32	564.44	6.29	564.47	14.50	556.26	15.40	555.36	15.48	555.28
RW-7	570.67	10.05	560.62	10.37	560.30	19.8	550.87	14.97	550.79	5.72	564.95	22.12	548.55	14.95	555.72	14.9	555.77	14.07	556.60	14.96	555.71	NA	NA
RW-8	583.83	18.45	565.38	22.23	561.60	22.69	561.14	27.12	534.92	26.7	557.13	26.12	557.71	26.57	557.26	26.11	557.72	26.62	557.21	26.90	556.93	26.27	557.56
RW-9	583.86	18.5	565.36	17.71	566.15	23.93	559.93	18.31	541.50	27.23	556.63	19.63	564.23	27.65	556.21	27.78	556.08	27.17	556.69	27.55	556.31	NA	NA
RW-10	583.28	23.36	559.92	22.79	560.49	23.35	559.93	23.31	536.50	23.52	559.76	22.65	560.63	23.11	560.17	23.03	560.25	23.56	559.72	23.45	559.83	23.36	559.92
RW-11	581.22	NA	NA	20.32	560.90	21.07	560.15	20.74	539.55	21.21	560.01	23.12	558.10	22.77	558.45	22.86	558.36	23.23	557.99	22.95	558.27	22.97	558.25
S-1		7.32		6.86		5.75		7.7		7.23		7.95		7.68		7.61	*	7.76	*	7.71	*	7.62	*
S-2		6.08		5.37		5.59		5.88		6.29		6.92		6.77		6.8		6.78		6.77		6.65	
S-3		6.01		4.51		4.8		5.23		5.78		6.7		6.41		8.34		6.53		6.61		6.60	
S-4		5.63		5.51		3.02		3.42		4.7		6.61		5.97		6.13		6.28		6.32		6.39	

Note: NA - Not accessible

* - Product thickness in sump S-1.

11/21/97 - 0.5-inches; 1/6/98 - 0.125-inches; 4/1/98 - 0.125-inches; 6/25/98 - 0.125-inches; 9/28/98 - 0.125 inches

12/5/97 - 0.4-inches; 2/2/98 - 0.125-inches; 4/27/98 - 0.125-inches; 7/31/98 - 0.125 inches; 10/21/98 - sheen

12/24/97 - 0.125 -inches; 2/18/98 - 0.125-inches; 5/27/98 - 0.063- inches; 8/27/98 - sheen; 11/23/98 - 0.125 inches

2/22/99 - 0.125 inches; 3/29/99 - 0.125 inches; 5/28/99 - 0.25- inches

Table 2

Post Construction Ground Water Monitoring - Inorganic Detected Compound Summary

O'BRIEN & GERE
ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Inorganic Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	MW-1 M0188 04/19/99 1489 ug/L Water	MW-2 M0190 04/20/99 1489 ug/L Water	MW-3 M0191 04/20/99 1489 ug/L Water	MW-4 M0194 04/20/99 1489 ug/L Water	MW-5 M0195 04/20/99 1489 ug/L Water	MW-6 M0298 04/21/99 1516 ug/L Water	MW-7 M0299 04/21/99 1516 ug/L Water	S-1 M0193 04/20/99 1489 ug/L Water
Aluminum (7429-90-5)		NS	830	12100	665	451	499	53.4 B	316	2390
Antimony (7440-36-0)		3	3.2 BY	2.9 B	2.1 B	---	2.5 B	---	---	2.9 B
Arsenic (7440-38-2)		25	24.5	27.5 Y	2.6 B	8.3 B	8.6 B	---	---	10.4
Barium (7440-39-3)		1000	353	180 B	153 B	175 B	139 B	137 B	575	332
Beryllium (7440-41-7)		NS	0.38 B	0.71 B	0.15 B	---	0.19 B	---	---	0.18 B
Cadmium (7440-43-9)		5	0.62 B	0.86 B	---	0.88 B	---	---	---	0.55 B
Calcium (7440-70-2)		NS	222000	347000	149000	137000	44900	159000	110000	152000
Chromium (7440-47-8)		50	9 B	56.3 Y	9.4 B	8.9 B	25.4	3 B	8.5 B	7.6 B
Cobalt (7440-48-4)		NS	---	9.2 B	---	---	---	---	---	2.2 B
Copper (7440-50-8)		200	3.8 B	33.2	2.1 B	1.8 B	12.9 B	---	2.7 B	79.1
Cyanide (57-12-5)		200	---	---	---	---	36	---	---	---
Iron (7439-89-6)		300	9120 Y	27200 Y	15900 Y	19400 Y	13400 Y	17500 Y	12300 Y	7920 Y
Lead (7439-92-1)		25	3.4	26.7 Y	---	---	4.6	---	---	19.4
Magnesium (7439-95-4)		NS	52700	103000	34700	37500	11200	16400	22000	12900
Manganese (7439-96-5)		300	155	949 Y	654 Y	225	213	1220 Y	149	2290 Y
Nickel (7440-02-0)		100	2.8 B	35 B	6.4 B	2.7 B	12.4 B	---	3.5 B	18.2 B
Potassium (7440-09-7)		NS	1780 B	4330 B	9730	1180 B	41700	54100	2170 B	23700
Sodium (7440-23-5)		20000	39100 Y	19100	83100 Y	75000 Y	102000 Y	36500 Y	23700 Y	138000 Y
Vanadium (7440-62-2)		NS	2.4 B	23.1 B	4.2 B	2.6 B	8.9 B	1.4 B	1.4 B	7.4 B
Zinc (7440-66-6)		NS	13.6 B	110	9.1 B	13.2 B	18.8 B	7.5 B	18.2 B	138

NOTES: --- - not detected, B - greater than IDL, less than CRDL, Y - exceeds NYSDEC Class GA Ground Water Quality Standards (effective 3/12/98), NS - no standard.

Date Printed: 06/04/99 11:20:31
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163 114

O'BRIEN & GERE
ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Inorganic Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	S-2 M0296 04/21/99 1516 ug/L Water	S-3 M0189 04/19/99 1489 ug/L Water	S-4 M0297 04/21/99 1516 ug/L Water	SW-1 M0192 04/20/99 1489 ug/L Water	blind dup M0196 / / 1489 ug/L Water	eq blank M0300 04/21/99 1516 ug/L Water
Aluminum (7429-90-5)		NS	211	298	58.9 B	153 B	720	18.1 B
Antimony (7440-36-0)		3	4.7 BY	5.1 BY	---	8.3 BY	1.8 B	2.6 B
Arsenic (7440-38-2)		25	3.8 B	3.8 B	---	5.2 B	3.6 B	---
Barium (7440-39-3)		1000	71.6 B	56.6 B	68.9 B	50.3 B	165 B	1.2 B
Beryllium (7440-41-7)		NS	0.14 B	---	0.13	---	0.17 B	1.1 B
Cadmium (7440-43-9)		5	---	---	0.5 B	---	---	1.2 B
Calcium (7440-70-2)		NS	156000	151000	456000	189000	152000	23.8 B
Chromium (7440-47-8)		50	---	---	2 B	8.7 B	14.3	---
Cobalt (7440-48-4)		NS	---	---	---	---	---	---
Copper (7440-50-8)		200	0.96 B	1.1 B	---	3.6 B	5.6 B	1.8 B
Cyanide (57-12-5)		200	52.3	15.6	48.9	---	---	---
Iron (7439-89-6)		300	46.7 B	62.3 B	463 Y	223	17800 Y	10.9 B
Lead (7439-92-1)		25	---	---	1.2 B	---	1.7 B	---
Magnesium (7439-95-4)		NS	---	46.8 B	10700	53200	35500	---
Manganese (7439-96-5)		300	---	---	357 Y	71.6	674 Y	1.2 B
Nickel (7440-02-0)		100	2.3 B	2.5 B	---	3.2 B	9.6 B	1.6 B
Potassium (7440-09-7)		NS	45600	47100	60200	66300	10100	---
Sodium (7440-23-5)		20000	43700 Y	44300 Y	36400 Y	133000 Y	84600 Y	112 B
Vanadium (7440-62-2)		NS	13.9 B	16.5 B	2 B	9.9 B	4.9 B	1.8 B
Zinc (7440-66-6)		NS	4.3 B	---	2.5 B	23.7	22.1	2.1 B

NOTES: --- - not detected, B - greater than IDL, less than CRDL, Y - exceeds NYSDEC Class GA Ground Water Quality Standards (effective 3/12/98), NS - no standard.

Date Printed: 06/04/99 11:20:31
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Volatile Organic Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	MW-1 M0188 04/19/99 1489 ug/L Water	MW-2 M0190 04/20/99 1489 ug/L Water	MW-3 M0191 04/20/99 1489 ug/L Water	MW-4 M0194 04/20/99 1489 ug/L Water	MW-5 M0195 04/20/99 1489 ug/L Water	MW-6 M0298 04/21/99 1516 ug/L Water	MW-7 M0299 04/21/99 1516 ug/L Water	S-1 M0193 04/20/99 1489 ug/L Water
1,1-Dichloroethane (75-34-3)		5*	---	---	---	---	---	---	---	---
1,2-Dichloroethene (540-59-0)		5*	---	---	---	---	---	---	---	---
Acetone (67-64-1)		NS	5 J B	---	6 J B	9 J	7 J	---	---	13
Benzene (71-43-2)		1	---	---	---	---	110 Y	---	---	---
Carbon disulfide (75-15-0)		NS	19	2 J	5 J	11	6 J	4 J	11	7 J
Ethylbenzene (100-41-4)		5*	---	---	---	---	10 JY	---	---	---
Methylene chloride (75-09-2)		5*	1 J B	---	2 J B	---	---	1 J B	---	---
Styrene (100-42-5)		5*	---	---	---	---	2 J	---	---	---
Toluene (108-88-3)		5*	---	---	---	---	15 Y	---	---	---
Trichloroethene (79-01-6)		5*	---	---	---	---	---	---	---	---
Vinyl chloride (75-01-4)		2	---	---	---	---	---	---	---	---
Xylene (total) (1330-20-7)		5*	---	---	---	---	40 Y	---	---	---
cis-1,2-Dichloroethene (156-59-2)		5*	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene (156-60-5)		5*	---	---	---	---	---	---	---	---

NOTES: --- - not detected, J - estimated, B - detected in associated blank, Y - exceeds NYSDEC Class GA Ground Water Quality Standards (effective 3/12/98), NS - no standard.

* - Principal organic contaminant standard as defined in 6 NYCRR 700.1.

The 1,2-Dichloroethene standard is the standard issued for the individual isomers cis-1,2-Dichloroethene and trans-1,2-Dichloroethene.

Date Printed: 06/04/99 11:20:35
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163 114

O'BRIEN & GERE
ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Volatile Organic Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	S-2 M0296 04/21/99 1516 ug/L Water	S-3 M0189 04/19/99 1489 ug/L Water	S-4 M0297 04/21/99 1516 ug/L Water	SW-1 M0192 04/20/99 1489 ug/L Water	blind dup M0196 / / 1489 ug/L Water	eq blank M0300 04/21/99 1516 ug/L Water	storage blank M0197 04/21/99 1489 ug/L Water	storage blank RE M0197RE 04/21/99 1489 ug/L Water
1,1-Dichloroethane (75-34-3)		5*	2 J	3 J	8 JY	---	---	---	---	---
1,2-Dichloroethene (540-59-0)		5*	6 JY	2 J	11 Y	---	---	---	---	---
Acetone (67-64-1)		NS	---	5 J	6 J	---	6 J	---	---	---
Benzene (71-43-2)		1	---	---	5 JY	---	---	---	---	---
Carbon disulfide (75-15-0)		NS	38	8 J	10	5 J	8 J	33	15	11
Ethylbenzene (100-41-4)		5*	---	---	7 JY	---	---	---	---	---
Methylene chloride (75-09-2)		5*	---	1 J B	2 J B	---	---	1 J B	1 J B	1 J B
Styrene (100-42-5)		5*	---	---	---	---	---	---	---	---
Toluene (108-88-3)		5*	---	1 J	4 J	---	---	---	---	---
Trichloroethene (79-01-6)		5*	1 J	---	---	---	---	---	---	---
Vinyl chloride (75-01-4)		2	---	---	4 JY	---	---	---	---	---
Xylene (total) (1330-20-7)		5*	3 J	4 J	24 Y	---	---	---	---	---
cis-1,2-Dichloroethene (156-59-2)		5*	6 JY	2 J	9 JY	---	---	---	---	---
trans-1,2-Dichloroethene (156-60-5)		5*	---	---	2 J	---	---	---	---	---

NOTES: --- - not detected, J - estimated, B - detected in associated blank, Y - exceeds NYSDEC Class GA Ground Water Quality Standards (effective 3/12/98), NS - no standard.

* - Principal organic contaminant standard as defined in 6 NYCRR 700.1.

The 1,2-Dichloroethene standard is the standard issued for the individual isomers cis-1,2-Dichloroethene and trans-1,2-Dichloroethene.

Date Printed: 06/04/99 11:20:35
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163 114

O'BRIEN & GERE
ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Volatile Organic Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	trip blank M0198 04/19/99 1489 ug/L Water	trip blank M0301 04/21/99 1516 ug/L Water	trip blank RE M0301RE 04/21/99 1516 ug/L Water
1,1-Dichloroethane (75-34-3)		5*	---	---	---
1,2-Dichloroethene (540-59-0)		5*	---	---	---
Acetone (67-64-1)		NS	---	---	---
Benzene (71-43-2)		1	---	---	---
Carbon disulfide (75-15-0)		NS	6 J	28	---
Ethylbenzene (100-41-4)		5*	---	---	---
Methylene chloride (75-09-2)		5*	2 J B	2 J B	1 J B
Styrene (100-42-5)		5*	---	---	---
Toluene (108-88-3)		5*	---	---	---
Trichloroethene (79-01-6)		5*	---	---	---
Vinyl chloride (75-01-4)		2	---	---	---
Xylene (total) (1330-20-7)		5*	---	---	---
cis-1,2-Dichloroethene (156-59-2)		5*	---	---	---
trans-1,2-Dichloroethene (156-60-5)		5*	---	---	---

NOTES: --- - not detected, J - estimated, B - detected in associated blank, Y - exceeds NYSDEC Class GA Ground Water Quality Standards (effective 3/12/98), NS - no standard.

* - Principal organic contaminant standard as defined in 6 NYCRR 700.1.

The 1,2-Dichloroethene standard is the standard issued for the individual isomers cis-1,2-Dichloroethene and trans-1,2-Dichloroethene.

Date Printed: 06/04/99 11:20:35
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	MW-5 M0195 04/20/99 1489 ug/L Water	MW-5 RE M0195RE 04/20/99 1489 ug/L Water	S-1 M0193 04/20/99 1489 ug/L Water	S-1 DL M0193DL 04/20/99 1489 ug/L Water	S-2 M0296 04/21/99 1516 ug/L Water	S-2 RE M0296RE 04/21/99 1516 ug/L Water	S-3 M0189 04/19/99 1489 ug/L Water	S-4 M0297 04/21/99 1516 ug/L Water
1,3-Dichlorobenzene (541-73-1)		3	---	---	---	---	---	---	---	1 J
1,4-Dichlorobenzene (106-46-7)		3	---	---	13 J DY	---	---	---	---	2 J
2,4-Dimethylphenol (105-67-9)		1	18 Y	17 Y	33 J DY	28 J DY	6 JY	5 JY	28 Y	51 Y
2-Methylnaphthalene (91-57-6)		NS	---	---	17 J D	---	---	---	4 J	2 J
2-Methylphenol (95-48-7)		1	3 JY	4 JY	---	---	---	---	10 JY	2 JY
4-Chloro-3-methylphenol (59-50-7)		NS	---	---	---	---	---	---	---	5 J
4-Methylphenol (106-44-5)		1	6 JY	7 JY	---	---	---	---	25 Y	---
Acenaphthene (83-32-9)		NS	---	---	180 D	180 J D	1 J	1 J	3 J	---
Acenaphthylene (208-96-8)		NS	---	---	---	---	1 J	1 J	4 J	---
Anthracene (120-12-7)		NS	---	---	110 D	110 J D	---	---	---	---
Benzo(a)anthracene (56-55-3)		NS	---	---	310 D	310 D	---	---	---	---
Benzo[a]pyrene (50-32-8)		NS	---	---	150 D	150 J D	---	---	---	---
Benzo(b)fluoranthene (205-99-2)		NS	---	---	210 D	250 J D	---	---	---	---
Benzo(ghi)perylene (191-24-2)		NS	---	---	220 D	190 J D	---	---	---	---
Benzo(k)fluoranthene (207-08-9)		NS	---	---	77 D	98 J D	---	---	---	---
Carbazole (86-74-8)		NS	---	---	---	---	---	---	2 J	---
Chrysene (218-01-9)		NS	---	---	380 D	390 D	---	---	---	---
Dibenzofuran (132-64-9)		NS	---	---	73 D	82 J D	---	---	2 J	---
Fluoranthene (206-44-0)		NS	---	---	710 ED	840 D	---	---	---	---
Fluorene (86-73-7)		NS	---	---	99 D	120 J D	1 J	1 J	2 J	1 J
Indeno(1,2,3-cd)pyrene (193-39-5)		NS	---	---	190 D	140 J D	---	---	---	---
Naphthalene (91-20-3)		NS	10 J	10 J	6 J D	---	---	---	40	11
Phenanthrene (85-01-8)		NS	---	---	210 D	220 J D	---	---	2 J	---
Phenol (108-95-2)		1	4 JY	4 JY	---	---	---	---	---	---
Pyrene (129-00-0)		NS	---	---	1400 ED	2000 D	---	---	---	---

NOTES: --- - not detected, J - estimated, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis,
Y - exceeds NYSDEC Class GA Ground Water Quality Standards (effective 3/12/98), NS - no standard.

Date Printed: 06/04/99 11:20:38
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP
File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	MW-5 M0195 04/20/99 1489 ug/L Water	MW-5 RE M0195RE 04/20/99 1489 ug/L Water	S-1 M0193 04/20/99 1489 ug/L Water	S-1 DL M0193DL 04/20/99 1489 ug/L Water	S-2 M0296 04/21/99 1516 ug/L Water	S-2 RE M0296RE 04/21/99 1516 ug/L Water	S-3 M0189 04/19/99 1489 ug/L Water	S-4 M0297 04/21/99 1516 ug/L Water
Bis(2-ethylhexyl)phthalate (BEHP) (117-81-7)		5	---	---	190 DY	170 J DY	---	---	---	---

NOTES: --- - not detected, J - estimated, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis,
Y - exceeds NYSDEC Class GA Ground Water Quality Standards (effective 3/12/98), NS - no standard.

Date Printed: 06/04/99 11:20:38
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	S-4 RE M0297RE 04/21/99 1516 ug/L Water
1,3-Dichlorobenzene (541-73-1)		3	1 J
1,4-Dichlorobenzene (106-46-7)		3	2 J
2,4-Dimethylphenol (105-67-9)		1	37 Y
2-Methylnaphthalene (91-57-6)		NS	1 J
2-Methylphenol (95-48-7)		1	2 JY
4-Chloro-3-methylphenol (59-50-7)		NS	4 J
4-Methylphenol (106-44-5)		1	---
Acenaphthene (83-32-9)		NS	---
Acenaphthylene (208-96-8)		NS	---
Anthracene (120-12-7)		NS	---
Benzo(a)anthracene (56-55-3)		NS	---
Benzo[a]pyrene (50-32-8)		NS	---
Benzo(b)fluoranthene (205-99-2)		NS	---
Benzo(ghi)perylene (191-24-2)		NS	---
Benzo(k)fluoranthene (207-08-9)		NS	---
Carbazole (86-74-8)		NS	---
Chrysene (218-01-9)		NS	---
Dibenzofuran (132-64-9)		NS	---
Fluoranthene (206-44-0)		NS	---
Fluorene (86-73-7)		NS	1 J
Indeno(1,2,3-cd)pyrene (193-39-5)		NS	---
Naphthalene (91-20-3)		NS	8 J
Phenanthrene (85-01-8)		NS	---
Phenol (108-95-2)		1	---
Pyrene (129-00-0)		NS	---

NOTES: --- - not detected, J - estimated, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis,
Y - exceeds NYSDEC Class GA Ground Water Quality Standards (effective 3/12/98), NS - no standard.

Date Printed: 06/04/99 11:20:38
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163 114

O'BRIEN & GERE
ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	S-4 RE M0297RE 04/21/99 1516 ug/L Water
Bis(2-ethylhexyl)phthalate (BEHP) (117-81-7)		5	---

NOTES: --- - not detected, J - estimated, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis,
Y - exceeds NYSDEC Class GA Ground Water Quality Standards (effective 3/12/98), NS - no standard.

Date Printed: 06/04/99 11:20:38
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

O'BRIEN & GERE
ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Pesticide/PCB Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	MW-1 M0188 04/19/99 1489 ug/L Water	MW-2 M0190 04/20/99 1489 ug/L Water	MW-3 M0191 04/20/99 1489 ug/L Water	MW-4 M0194 04/20/99 1489 ug/L Water	MW-5 M0195 04/20/99 1489 ug/L Water	MW-6 M0298 04/21/99 1516 ug/L Water	MW-7 M0299 04/21/99 1516 ug/L Water	S-1 M0193 04/20/99 1489 ug/L Water
4,4'-DDD (72-54-8)		0.3	---	---	---	---	---	---	---	0.051 JP
4,4'-DDE (72-55-9)		0.2	---	---	---	0.0007 JP	0.0014 JP	---	---	1.3 PY
4,4'-DDT (50-29-3)		0.2	---	0.0007 JP	---	---	---	---	---	---
Aldrin (309-00-2)		NS	---	---	---	---	0.0016 JP	---	---	---
Aroclor 1242 (53469-21-9)		0.09	---	---	---	---	---	---	---	---
Aroclor 1248 (12672-29-6)		0.09	---	---	---	---	---	---	---	0 P
Aroclor 1260 (11096-82-5)		0.09	---	---	---	---	---	---	---	0 P
Dieldrin (60-57-1)		0.004	---	---	0.0024 JP	---	0.0036 JP	---	---	---
Endosulfan I (959-98-8)		NS	0.003 JP	0.0012 JP	0.0013 JP	0.0043 JP	0.0025 JP	0.0014 JP	0.0012 JP	0.14 JP
Endosulfan II (33213-65-9)		NS	---	---	---	---	---	---	---	2.1
Endosulfan sulfate (1031-07-8)		NS	0.0013 JP	0.00092 JP	0.0015 JP	0.0042 JP	0.004 JP	---	---	---
Endrin (72-20-8)		NS	---	---	---	0.0028 J	0.0055 JP	---	---	---
Endrin aldehyde (7421-93-4)		5*	---	---	---	---	---	---	---	0.3 JP
Endrin ketone (53494-70-5)		5*	---	---	---	---	---	---	---	---
Heptachlor (76-44-8)		0.04	---	---	---	---	0.00072 JP	---	---	---
Heptachlor epoxide (1024-57-3)		0.03	0.0038 J	0.0024 JP	0.0052 JP	0.00034 JP	0.0017 JP	0.0027 JP	0.0048 J	---
Methoxychlor (72-43-5)		35	---	---	---	0.0033 JP	0.0061 J	---	---	0.83 JP
alpha-BHC (319-84-6)		NS	0.01 BJP	0.0089 BJ	0.00093 BJP	0.0089 BJP	0.0069 BJP	---	0.0061 BJ	---
alpha-Chlordane (5103-71-9)		0.05	---	---	---	0.00093 JP	---	---	---	---
delta-BHC (319-86-8)		NS	---	---	---	---	---	---	---	0.0048 JP
gamma-BHC (Lindane) (58-89-9)		NS	---	0.0051 JP	---	0.004 JP	0.0085 J	---	---	---
gamma-Chlordane (5103-74-2)		0.05	0.008 BJP	0.013 BJP	0.014 BJP	0.0056 BJP	0.0018 BJP	0.0083 JP	0.008 JP	---

NOTES: --- - not detected, J - estimated, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis, B - detected in associated blank,
P - greater than 25% difference between results on two GC columns, Y - exceeds NYSDEC Class GA Ground Water Quality Standards, NS - no standard.
The Aroclor standards are the standards issued for Total polychlorinated biphenyls (PCBs).
The gamma-Chlordane standard is the standard issued for Chlordane.

Date Printed: 06/04/99 11:20:42
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Table 2
Cherry Farm
Post Construction
Ground Water Monitoring
Pesticide/PCB Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	NYSDEC Class GA GW Standards ug/L	S-1 DL M0193DL 04/20/99 1489 ug/L Water	S-2 M0296 04/21/99 1516 ug/L Water	S-3 M0189 04/19/99 1489 ug/L Water	S-4 M0297 04/21/99 1516 ug/L Water	SW-1 M0192 04/20/99 1489 ug/L Water	blind dup M0196 / / 1489 ug/L Water	eq blank M0300 / / 1516 ug/L Water
4,4'-DDD (72-54-8)		0.3	---	---	0.00049 JP	0.0047 JP	0.002 J	---	---
4,4'-DDE (72-55-9)		0.2	2 JDY	0.0024 JP	---	---	---	---	---
4,4'-DDT (50-29-3)		0.2	0.035 JP	0.00079 BJP	0.00077 JP	0.022 BJP	---	---	---
Aldrin (309-00-2)		NS	---	---	---	---	---	---	---
Aroclor 1242 (53469-21-9)		0.09	---	0.47 JPY	0.52 JPY	1.5 PY	---	---	---
Aroclor 1248 (12672-29-6)		0.09	110 PDY	---	---	---	---	---	---
Aroclor 1260 (11096-82-5)		0.09	110 PDY	---	---	---	---	---	---
Dieldrin (60-57-1)		0.004	---	---	0.00047 JP	---	0.00096 JP	0.00041 JP	---
Endosulfan I (959-98-8)		NS	---	---	---	---	---	0.0014 JP	---
Endosulfan II (33213-65-9)		NS	2.8 JPD	0.0018 JP	0.00084 JP	0.0079 JP	0.00052 JP	0.00054 JP	0.00097 JP
Endosulfan sulfate (1031-07-8)		NS	---	0.0025 BJP	0.0014 JP	0.0023 BJP	0.0018 JP	0.00062 JP	---
Endrin (72-20-8)		NS	0.17 JPD	0.0029 JP	---	0.011 JP	0.00056 JP	---	---
Endrin aldehyde (7421-93-4)		5*	0.65 JPD	0.0017 JP	0.0016 J	0.0096 JP	---	---	---
Endrin ketone (53494-70-5)		5*	---	0.00041 JP	---	0.0075 JP	---	---	---
Heptachlor (76-44-8)		0.04	---	---	---	---	---	---	---
Heptachlor epoxide (1024-57-3)		0.03	---	---	0.0026 JP	0.025 J	---	0.0013 JP	---
Methoxychlor (72-43-5)		35	1.3 JPD	---	---	---	---	---	---
alpha-BHC (319-84-6)		NS	---	0.00081 BJP	---	---	0.0083 BJP	---	0.0013 BJP
alpha-Chlordane (5103-71-9)		0.05	---	0.0016 JP	---	0.012 JP	---	---	---
delta-BHC (319-86-8)		NS	---	---	---	0.008 JP	---	---	---
gamma-BHC (Lindane) (58-89-9)		NS	---	---	---	---	---	---	---
gamma-Chlordane (5103-74-2)		0.05	---	0.0018 JP	0.00072 BJP	---	0.0048 BJP	0.011 BJP	---

NOTES: --- - not detected, J - estimated, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis, B - detected in associated blank,
P - greater than 25% difference between results on two GC columns, Y - exceeds NYSDEC Class GA Ground Water Quality Standards, NS - no standard.
The Aroclor standards are the standards issued for Total polychlorinated biphenyls (PCBs).
The gamma-Chlordane standard is the standard issued for Chlordane.

Date Printed: 06/04/99 11:20:42
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number: 1163.114

Ground Water Sampling Logs

O'Brien & Gere Engineers, Inc.

Standard Ground Water Sampling Log

Date: April 19, 1999

Site Name: Allied Chemical, Cherry Farms

Location: Tonawanda, New York

Project No: 22336

Personnel: TPP

Weather: overcast 45° F

Well #: MW-1

Evacuation Method: Dedicated Teflon Bailer

Sampling Method: Dedicated Teflon Bailer

Well Information:

Depth of Well *	46.4	ft.
Depth to Water *	12.17	ft.
Length of Water Column	34.23	ft.
Volume of Water in Well	5.58	gal.(s)
3X Volume of Water in Well	16.7	gal.(s)

Water Volume /ft. for:

- x 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 17 gal.(s)

Did well go dry? No

* Measurements taken from: [x] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard	4.0	84 S Standard	
7.0 Standard		1413 S Standard	
10.0 Standard	10.0		

Water parameters:

Gallons Removed	Temperature Readings °C	pH Readings	Conductivity Readings uS/cm
initial 0	initial 13.9	initial 7.04	initial 1555
5	13.0	6.97	1527
10	12.2	7.02	1574
16	12.0	7.06	1620

Water Sample:

Time Collected: 1445

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Yellow w/ Brown	Color	Lt Grey
Odor	None	Odor	None
Turbidity (> 100 NTU)	>100	Turbidity (> 100 NTU)	>100
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

O'Brien & Gere Engineers, Inc. — Standard Ground Water Sampling Log

Date 4/20/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel TPP
Weather Overcast 38°F
Well # MW-2
Evacuation Method Dedicated Teflon Bailer
Sampling Method Dedicated Teflon Bailer

Well Information:

Depth of Well *	46.4	ft.
Depth to Water *	13.56	ft.
Length of Water Column	32.84	ft.
Volume of Water in Well	5.35	gal.(s)
3X Volume of Water in Well	16.1	gal.(s)

Water Volume /ft. for:
- x 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 16 gal.(s)
Did well go dry? No

* Measurements taken from [x] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard	c	84 S Standard	
7.0 Standard	7.0	1413 S Standard	
10.0 Standard	10.0		

Water parameters:

	Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial	0	11.5	7.33	1388
	5	12.5	7.05	1417
	10	12.4	7.08	1581
	16	12.4	7.08	1602

Water Sample:
Time Collected 850

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Lt Gray	Color	Silty Gray
Odor	None	Odor	None
Turbidity (> 100 NTU)	>100	Turbidity (> 100 NTU)	>100
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

JAM ers/dy/76/samp/4_notes.cdr

O'Brien & Gere Engineers, Inc. — **Standard Ground Water Sampling Log**

Date: 4/20/99
Site Name: Allied Chemical, Cherry Farms
Location: Tonawanda, New York
Project No: 22336
Personnel: TPP
Weather: Overcast 38°±
Well #: MW-3
Evacuation Method: Stainless Steel Bailer
Sampling Method: Stainless Steel Bailer

Well Information:

Depth of Well *	33.3	ft.
Depth to Water *	5.97	ft.
Length of Water Column	27.33	ft.
Volume of Water in Well	4.45	gal.(s)
3X Volume of Water in Well	13.4	gal.(s)

Water Volume /ft. for:
- x 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 15 gal.(s)
Did well go dry? No

* Measurements taken from: [x] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard	7.0	1413 S Standard	
10.0 Standard	10.0		

Water parameters:

Gallons Removed	Temperature Readings °C	pH Readings	Conductivity Readings uS/cm
initial Ø	initial 9.5	initial 6.85	initial 1532
4.5	10.3	6.84	1587
9.0	10.5	6.84	1678
14.0	10.5	6.81	1735

Water Sample:
Time Collected: 1020

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Lt Green	Color	Lt Green
Odor	None	Odor	None
Turbidity (> 100 NTU)	7100	Turbidity (> 100 NTU)	> 100
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:
* Collect Blind Dup

O'Brien & Gere Engineers, Inc. — **Standard Ground Water Sampling Log**

Date: 4/20/99
Site Name: Allied Chemical, Cherry Farms
Location: Tonawanda, New York
Project No: 22336
Personnel: TPP

Weather: Sunny 50°±
Well #: MW-4
Evacuation Method: Stainless Steel Bailer
Sampling Method: Stainless Steel Bailer

Well Information:

Depth of Well *: 52 ft.
Depth to Water *: 18.71 ft.
Length of Water Column: 33.29 ft.
Volume of Water in Well: 5.43 gal.(s)
3X Volume of Water in Well: 16.3 gal.(s)

Water Volume /ft. for:
- x 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: 17 gal.(s)
Did well go dry? No

* Measurements taken from: [x] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings	
4.0 Standard	
7.0 Standard	7.0
10.0 Standard	10.0

Conductivity Standard Readings	
84 S Standard	
1413 S Standard	

Water parameters:

	Gallons Removed	Temperature Readings °C	pH Readings	Conductivity Readings uS/cm
initial	.5	13.6	7.48	917
	5.5	10.5	6.75	1622
	11	10.3	6.87	1644
	17	10.3	6.89	1574

Water Sample:
Time Collected: 14^20

	Physical Appearance at Start	Physical Appearance at Sampling
Color	Clear	Clear
Odor	None	None
Turbidity (> 100 NTU)	>100	>100
Sheen/Free Product	None	None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

JAM ers/dv76/admin/4 ... [illegible]

O'Brien & Gere Engineers, Inc. — Standard Ground Water Sampling Log

Date 4/20/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel TPP

Weather Sunny 50° ±
Well # MW-5
Evacuation Method Stainless Steel Bailer
Sampling Method Stainless Steel Bailer

Well Information:

Depth of Well *	51.5	ft.
Depth to Water *	19.50	ft.
Length of Water Column	32.0	ft.
Volume of Water in Well	5.21	gal.(s)
3X Volume of Water in Well	15.6	gal.(s)

Water Volume /ft. for:
- x 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 16 gal.(s)
Did well go dry? No

* Measurements taken from [x] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard	7.0	1413 S Standard	
10.0 Standard	10.0		

Water parameters:

	Gallons Removed	Temperature Readings °C	pH Readings	Conductivity Readings uS/cm
initial	5	11.4	7.01	1258
	5	10.8	7.23	1202
	10	10.4	7.13	1126
	16	10.4	7.13	1127

Water Sample:
Time Collected 1550

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Tea Brown (No S.H)	Color	Lt Green
Odor	Slight	Odor	Slight
Turbidity (> 100 NTU)	>100	Turbidity (> 100 NTU)	>100
Sheen/Free Product	No	Sheen/Free Product	None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

O'Brien & Gere Engineers, Inc.

Standard Ground Water Sampling Log

Date 4/21/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel TPP

Weather Sunny 45° ±
Well # MW-6
Evacuation Method Dedicated Teflon Bailer
Sampling Method Dedicated Teflon Bailer

Well Information:

Depth of Well *	52.7	ft.
Depth to Water *	21.37	ft.
Length of Water Column	31.33	ft.
Volume of Water in Well	5 10	gal.(s)
3X Volume of Water in Well	15.3	gal.(s)

Water Volume /ft. for:
- x 2" Diameter Well = 0.163 X LWC
- ____ 4" Diameter Well = 0.653 X LWC
- ____ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 14 gal.(s)
Did well go dry? NJ

* Measurements taken from [x] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings
- 4.0 Standard ____
- 7.0 Standard 7.0
- 10.0 Standard 10 0

Conductivity Standard Readings
- 84 S Standard ____
- 1413 S Standard ____

Water parameters:

	Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial	.5	13.6°C	7.22	1254
	5.5	12.5	6.81	1449
	11	12.4	6.87	1486
	16	12.6	6.87	1492

Water Sample:
Time Collected 1030

Physical Appearance at Start

Color	Clear
Odor	None
Turbidity (> 100 NTU)	<100
Sheen/Free Product	None

Physical Appearance at Sampling

Color	Clear
Odor	None
Turbidity (> 100 NTU)	<100
Sheen/Free Product	None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

O'Brien & Gere Engineers, Inc.

Standard Ground Water Sampling Log

Date 4/21/99

Site Name Allied Chemical, Cherry Farms

Location Tonawanda, New York

Project No 22336

Personnel TPP

Weather Sunny 50°±

Well # MW-7

Evacuation Method Stainless Steel Bailer

Sampling Method Stainless Steel Bailer

Well Information:

Depth of Well *	47.4	ft.
Depth to Water *	21.74	ft.
Length of Water Column	25.66	ft.
Volume of Water in Well	4.18	gal.(s)
3X Volume of Water in Well	12.5	gal.(s)

Water Volume /ft. for:

- x 2" Diameter Well = 0.163 X LWC
- ___ 4" Diameter Well = 0.653 X LWC
- ___ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 13 gal.(s)

Did well go dry? No

* Measurements taken from [x] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard	7.0	1413 S Standard	
10.0 Standard	10.0		

Water parameters:

Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial .5	initial 13.1	initial 7.01	initial 846
4.5	13.0	6.91	912
9.0	12.9	6.96	945
13	13.1	6.93	951

Water Sample:

Time Collected 1200

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	>100	Turbidity (> 100 NTU)	>100
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

O'Brien & Gere Engineers, Inc. — Standard Ground Water Sampling Log

Date: 4/20/99

Site Name: Allied Chemical, Cherry Farms

Location: Tonawanda, New York

Project No: 22336

Personnel: TPP

Weather: Sunny 46° ±

Well #: S-1

Evacuation Method: Dedicated Teflon Bailer

Sampling Method: Dedicated Teflon Bailer

Well Information:

Depth of Well *: N/A ft.

Depth to Water *: 7.71 ft.

Length of Water Column: N/A ft.

Volume of Water in Well: N/A gal.(s)

3X Volume of Water in Well: N/A gal.(s)

Water Volume /ft. for:

- ____ 2" Diameter Well = 0.163 X LWC
- ____ 4" Diameter Well = 0.653 X LWC
- ____ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: Ø gal.(s)

Did well go dry? ____

* Grab Sample

* Measurements taken from: [ ] Well Casing [ ] Protective Casing [X] (Other, Specify) T.O. Conc. Vault

Instrument Calibration:

pH Buffer Readings	
4.0 Standard	
7.0 Standard	—
10.0 Standard	

Conductivity Standard Readings	
84 S Standard	
1413 S Standard	

* None Taken Due To Heavy Product

Water parameters:

Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial	initial	initial	initial

Water Sample:

Time Collected: 12:00

Physical Appearance at Start	
Color	Clear
Odor	Yes, PCB
Turbidity (> 100 NTU)	7100
Sheen/Free Product	Yes LNAPL

Physical Appearance at Sampling	
Color	
Odor	
Turbidity (> 100 NTU)	
Sheen/Free Product	

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

O'Brien & Gere Engineers, Inc. — Standard Ground Water Sampling Log

Date: 4/21/99
Site Name: Allied Chemical, Cherry Farms
Location: Tonawanda, New York
Project No: 22336
Personnel: TPP

Weather: Sunny 40° ± am
Well #: S-2
Evacuation Method: Stainless Steel Bailer
Sampling Method: Stainless Steel Bailer

Well Information:

Depth of Well *	N/A	ft.
Depth to Water *	6.78	ft.
Length of Water Column	N/A	ft.
Volume of Water in Well	N/A	gal.(s)
3X Volume of Water in Well	N/A	gal.(s)

Water Volume /ft. for:
- ____ 2" Diameter Well = 0.163 X LWC
- ____ 4" Diameter Well = 0.653 X LWC
- ____ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling: ____ gal.(s)
Did well go dry? ____

*** Grab Sample**

* Measurements taken from: [ ] Well Casing [ ] Protective Casing [X] (Other, Specify) Top Conc vault

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard	7.0	1413 S Standard	
10.0 Standard	10.0		

Water parameters:

Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial ∅	initial 11.7	initial 10.97	initial 1787

Water Sample:
Time Collected: 0830

Physical Appearance at Start		Physical Appearance at Sampling	
Color		Color	Clear
Odor		Odor	None
Turbidity (> 100 NTU)		Turbidity (> 100 NTU)	2100
Sheen/Free Product		Sheen/Free Product	None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Ground Water Sampling Log**

Date 4/19/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel TPP

Weather overcast 45° ±
Well # S-3
Evacuation Method Stainless Steel Bailer
Sampling Method Stainless Steel Bailer

Well Information:

Depth of Well * N/A ft.
Depth to Water * 6.61 ft.
Length of Water Column N/A ft.
Volume of Water in Well N/A gal.(s)
3X Volume of Water in Well N/A gal.(s)

Water Volume /ft. for:
_____ 2" Diameter Well = 0.163 X LWC
_____ 4" Diameter Well = 0.653 X LWC
_____ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling ∅ gal.(s)
Did well go dry? _____

*** Grab Sample**

* Measurements taken from [ ] Well Casing [ ] Protective Casing [X] (Other, Specify) Concrete

Instrument Calibration:

pH Buffer Readings
4.0 Standard _____
7.0 Standard _____
10.0 Standard _____

Conductivity Standard Readings
84 S Standard _____
1413 S Standard _____

Water parameters:

Gallons Removed	Temperature Readings °C	pH Readings	Conductivity Readings uS/cm
initial ∅	initial 12.0	initial 10.85	initial 1235

Water Sample:
Time Collected 1550

Physical Appearance at Start
Color _____
Odor _____
Turbidity (> 100 NTU) _____
Sheen/Free Product _____

Physical Appearance at Sampling
Color Clear
Odor None
Turbidity (> 100 NTU) 7100
Sheen/Free Product None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:
* Collect MS/MSD

O'Brien & Gere Engineers, Inc. — Standard Ground Water Sampling Log

Date 4/21/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel TPP

Weather Sunny 42°±
Well # S-4
Evacuation Method Stainless Steel Bailer
Sampling Method Stainless Steel Bailer

Well Information:

Depth of Well *	N/A	ft.
Depth to Water *	6.32	ft.
Length of Water Column	N/A	ft.
Volume of Water in Well	N/A	gal.(s)
3X Volume of Water in Well	N/A	gal.(s)

Water Volume /ft. for:
- ___ 2" Diameter Well = 0.163 X LWC
- ___ 4" Diameter Well = 0.653 X LWC
- ___ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling N/A gal.(s)
Did well go dry? N/A

*** Grab Sample**

* Measurements taken from [ ] Well Casing [ ] Protective Casing [X] (Other, Specify) Top Conc Vault

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard	7.0	1413 S Standard	
10.0 Standard	10.0		

Water parameters:

Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial ∅	initial 12.8°C	initial 7.77	initial 2340

Water Sample:
Time Collected 920

Physical Appearance at Start		Physical Appearance at Sampling	
Color		Color	Clear
Odor		Odor	None
Turbidity (> 100 NTU)		Turbidity (> 100 NTU)	2100
Sheen/Free Product		Sheen/Free Product	None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

O'Brien & Gere Engineers, Inc.

Standard Ground Water Sampling Log

Date 4/20/99

Site Name Allied Chemical, Cherry Farms

Location Tonawanda, New York

Project No 22336

Personnel TPP

Weather Sunny 43°±

Well # SW-1

Evacuation Method ~~Stainless Steel Bailer~~ Grab TP²

Sampling Method ~~Stainless Steel Bailer~~ Grab TP²

Well Information:

Depth of Well *	N/A	ft.
Depth to Water *	N/A	ft.
Length of Water Column	N/A	ft.
Volume of Water in Well	N/A	gal.(s)
3X Volume of Water in Well	N/A	gal.(s)

Water Volume /ft. for:

_____ 2" Diameter Well = 0.163 X LWC

_____ 4" Diameter Well = 0.653 X LWC

_____ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling _____ gal.(s)

Did well go dry? _____

*** Grab Sample**

* Measurements taken from [ ] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard	7.0	1413 S Standard	
10.0 Standard	10.0		

Water parameters:

Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial	initial	initial	initial

Water Sample:

Time Collected 11 15

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear w/ Organics	Color	
Odor	None	Odor	
Turbidity (> 100 NTU)	>100	Turbidity (> 100 NTU)	
Sheen/Free Product	None	Sheen/Free Product	

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

O'Brien & Gere Engineers, Inc.

Standard Ground Water Sampling Log

Date 4/21/99

Site Name Allied Chemical, Cherry Farms

Location Tonawanda, New York

Project No 22336

Personnel TPP

Weather Sunny 50°±

Well # SW-3

Evacuation Method ~~Stainless Steel Bailer~~ TP²

Sampling Method ~~Stainless Steel Bailer~~ TP²

Well Information:

Depth of Well *	N/A	ft.
Depth to Water *	Ø	ft.
Length of Water Column	N/A	ft.
Volume of Water in Well	N/A	gal.(s)
3X Volume of Water in Well	N/A	gal.(s)

Water Volume /ft. for:

_____ 2" Diameter Well = 0.163 X LWC

_____ 4" Diameter Well = 0.653 X LWC

_____ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling _____ gal.(s)

Did well go dry? _____

*** Grab Sample**

* Measurements taken from ☐ Well Casing ☐ Protective Casing ☐ (Other, Specify) _____

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard		1413 S Standard	
10.0 Standard			

Water parameters:

Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial	initial	initial	initial

Water Sample:

Time Collected ~~Dry~~ No Sample

Physical Appearance at Start		Physical Appearance at Sampling	
Color		Color	
Odor		Odor	
Turbidity (> 100 NTU)		Turbidity (> 100 NTU)	
Sheen/Free Product		Sheen/Free Product	

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Ground Water Sampling Log**

Date 4/21/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel TPP

Weather Sunny 42°±
Well # SW-2
Evacuation Method ~~Stainless Steel Bailer~~ TP2
Sampling Method ~~Stainless Steel Bailer~~ TP2

Well Information:

Depth of Well *	N/A	ft.
Depth to Water *	∅	ft.
Length of Water Column	N/A	ft.
Volume of Water in Well	N/A	gal.(s)
3X Volume of Water in Well	N/A	gal.(s)

Water Volume /ft. for:
_____ 2" Diameter Well = 0.163 X LWC
_____ 4" Diameter Well = 0.653 X LWC
_____ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling _____ gal.(s)
Did well go dry? _____

*** Grab Sample**

* Measurements taken from [ ] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard		1413 S Standard	
10.0 Standard			

Water parameters:

Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial	initial	initial	initial

Water Sample:
Time Collected * No Sample

Physical Appearance at Start		Physical Appearance at Sampling	
Color		Color	
Odor		Odor	
Turbidity (> 100 NTU)		Turbidity (> 100 NTU)	
Sheen/Free Product		Sheen/Free Product	

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 ml	Glass	2	No	1:1 HCL	
Liter	Glass	2	No	None	
Liter	Glass	1	No	None	
Liter	Poly	1	No	HNO3	
Pint	Poly	1	No	NaOH	

Notes:

CALIBRATION DATA SHEET O'BRIEN & GERE

Equipment Name	HYDAC pH, Temp. Conductivity Meter
Model Number	OBG. # 5005
Serial Number	9712 97388
☐ New	Serviced ☒ As Found ☐ As Left ☐ In Tolerance ☐ Out of Tolerance

Routine Calibration Due Date: when used. (last done 3/26/99 BJ)

Standards Used: supplied pH standards

Temp - 11.8°C

Buffers	7	10
Inital	7.00	10.00
post	7.02	10.08

☒ **Environmental Conditions are Suitable for Calibration**

TEMPERATURE =
ATMOSHPHERIC PRESSURE =

Comments:

This equipment has been calibrated using standards whose accuracies are traceable to the National Institute of Standards & Technology (NIST) within the limits of the Institutes's calibration service.

Calibration Performed By: T. Prawel

Date: 4/19/99

CALIBRATION DATA SHEET **O'BRIEN & GERE ENGINEERS, INC.**

Equipment Name	Hydac pH, Temp & Conductivity Meter		
Model Number	OBG # 5005		
Serial Number	97129 7388		
☐ New	Serviced	☒ As Found ☐ As Left	☐ In Tolerance ☐ Out of Tolerance

Routine Calibration Due Date: when used (last done 3/26/99 BJ)

Standards Used: supplied Buffers

Temp 9.4°C Buffers: 7.00 10.01

7.03 10.08 post check

☒ **Environmental Conditions are Suitable for Calibration**

TEMPERATURE =
ATMOSHPHERIC PRESSURE =

Comments:

This equipment has been calibrated using standards whose accuracies are traceable to the National Institute of Standards & Technology (NIST) within the limits of the Institutes's calibration service.

Calibration Performed By: T. Prawel

Date: 4/20/99

CALIBRATION DATA SHEET O'BRIEN & GERE ENGINEERS, INC.

Equipment Name	Hydac - pH, Temp & Conductivity Meter		
Model Number	OBG # 5005		
Serial Number	971297388		
☐ New	Serviced	☒ As Found ☐ As Left	☐ In Tolerance ☐ Out of Tolerance

Routine Calibration Due Date: _____

Standards Used: Supplied Buffers

Temp 11.8°C Buffers: 7.00 10.00

7.02 10.05 post check

☒ **Environmental Conditions are Suitable for Calibration**

TEMPERATURE =
ATMOSHPHERIC PRESSURE =

Comments: _____

This equipment has been calibrated using standards whose accuracies are traceable to the National Institute of Standards & Technology (NIST) within the limits of the Institutes's calibration service.

Calibration Performed By: T. Pravel

Date: 4/21/99

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: ALLIED CHEMICAL

Project: Cherry Farms, Tonawanda New York

Sampled by: T. Powel Buffalo New York

Client Contact: Phone #

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	95:1	95:2	95:3	Methods CN				Comments
S-2	4/21/99	830	Water	Grab	7	2	2	1	1	1			
S-4	4/21/99	920	Water	Grab	7	2	2	1	1	1			
MW-6	4/21/99	1030	Water	Grab	7	2	2	1	1	1			
MW-7	4/21/99	1200	Water	Grab	7	2	2	1	1	1			
Equipment Blank	4/21/99	1310	Water	Grab	7	2	2	1	1	1			
Trip Blank	4/21/99		Water		1	1							

Relinquished by:	Date: 4/21/99	Time: 1430	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by Lab:	Date:	Time.
Shipment Method: Fed Ex			Airbill Number:	807497127032	

807497127043
807497127054

Turnaround Time Required:
Routine_____
Rush (Specify)_____

Comments:

Cooler Temperature:_____

Original-Laboratory Copy-Client

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: ALLIED CHEMICAL

Project: Cherry Farms, Tonawanda New York

Sampled by: T Prawel, Buffalo Office

Client Contact: Phone #

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: VOC's 95.1	6 VOC 95.2	PCB/Pest 95.2	Metals	CN			Comments
mw-1	4/19/99	1445	Water	Grab	7	2	2	1	1	1			unfilter metals
S-3 ms/msd	4/19/99	1550	Water	Grab	21	6	6	3	3	3			unfiltered metals
MW-2	4/20/99	850	Water	Grab	7	2	2	1	1	1			"
mw-3	4/20/99	1020	Water	Grab	7	2	2	1	1	1			"
SW-1	4/20/99	1115	Water	Grab	7	2	2	1	1	1			"
S-1	4/20/99	1200	Water	Grab	7	2	2	1	1	1			"
mw-4	4/20/99	1420	Water	Grab	7	2	2	1	1	1			"
mw-5	4/20/99	1530	Water	Grab	7	2	2	1	1	1			unfiltered Metals
Trip Blank	4/20/99		Water										
Blind Dup	—	—	Water	Grab	7	2	2	1	1	1			Unfiltered Metals

Relinquished by: Tom Prawel	Date: 4/20/99	Time: 1700	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by Lab: Date: Time:
Shipment Method: FED EX			Airbill Number: 807497127065

807497127076
807497127087

Turnaround Time Required:
Routine_____
Rush (Specify)_____

Comments:

Cooler Temperature:_____

Original-Laboratory Copy-Client

Attachment 2

Analytical Data

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Inorganic Data

Compound (CAS Number)	Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	S-1	S-2
	Lab ID	M0188	M0190	M0191	M0194	M0195	M0298	M0299	M0193	M0296
	Sample Date	04/19/99	04/20/99	04/20/99	04/20/99	04/20/99	04/21/99	04/21/99	04/20/99	04/21/99
	SDG ID	1489	1489	1489	1489	1489	1516	1516	1489	1516
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
Aluminum (7429-90-5)		830	12100	665	451	499	53.4 B	316	2390	211
Antimony (7440-36-0)		3.2 B	2.9 B	2.1 B	1.6 U	2.5 B	1.6 U	1.6 U	2.9 B	4.7 B
Arsenic (7440-38-2)		24.5	27.5	2.6 B	8.3 B	8.6 B	1.9 U	1.9 U	10.4	3.8 B
Barium (7440-39-3)		353	180 B	153 B	175 B	139 B	137 B	575	332	71.6 B
Beryllium (7440-41-7)		0.38 B	0.71 B	0.15 B	0.13 U	0.19 B	0.13 U	0.13 U	0.18 B	0.14 B
Cadmium (7440-43-9)		0.62 B	0.86 B	0.42 U	0.88 B	0.42 U	0.42 U	0.42 U	0.55 B	0.42 U
Calcium (7440-70-2)		222000	347000	149000	137000	44900	159000	110000	152000	156000
Chromium (7440-47-8)		9 B	56.3	9.4 B	8.9 B	25.4	3 B	8.5 B	7.6 B	1.4 U
Cobalt (7440-48-4)		1.6 U	9.2 B	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.2 B	1.6 U
Copper (7440-50-8)		3.8 B	33.2	2.1 B	1.8 B	12.9 B	0.49 U	2.7 B	79.1	0.96 B
Cyanide (57-12-5)		10 U	10 U	10 U	10 U	36	10 U	10 U	10 U	52.3
Iron (7439-89-6)		9120	27200	15900	19400	13400	17500	12300	7920	46.7 B
Lead (7439-92-1)		3.4	26.7	1.1 U	1.1 U	4.6	1.1 U	1.1 U	19.4	1.1 U
Magnesium (7439-95-4)		52700	103000	34700	37500	11200	16400	22000	12900	10.5 U
Manganese (7439-96-5)		155	949	654	225	213	1220	149	2290	0.27 U
Mercury (7439-97-6)		0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Nickel (7440-02-0)		2.8 B	35 B	6.4 B	2.7 B	12.4 B	1.3 U	3.5 B	18.2 B	2.3 B
Potassium (7440-09-7)		1780 B	4330 B	9730	1180 B	41700	54100	2170 B	23700	45600
Selenium (7782-49-2)		3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Silver (7440-22-4)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Sodium (7440-23-5)		39100	19100	83100	75000	102000	36500	23700	138000	43700
Thallium (7440-28-0)		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Vanadium (7440-62-2)		2.4 B	23.1 B	4.2 B	2.6 B	8.9 B	1.4 B	1.4 B	7.4 B	13.9 B
Zinc (7440-66-6)		13.6 B	110	9.1 B	13.2 B	18.8 B	7.5 B	18.2 B	138	4.3 B

NOTES: U - not detected, B - greater than IDL, less than CRDL.

Date Printed: 06/04/99 11:19:45
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163 114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Inorganic Data

Compound (CAS Number)	Sample ID	S-3	S-4	SW-1	blind dup	eq blank
	Lab ID	M0189	M0297	M0192	M0196	M0300
	Sample Date	04/19/99	04/21/99	04/20/99	/ /	04/21/99
	SDG ID	1489	1516	1489	1489	1516
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water	Water
Aluminum (7429-90-5)		298	58.9 B	153 B	720	18.1 B
Antimony (7440-36-0)		5.1 B	1.6 U	8.3 B	1.8 B	2.6 B
Arsenic (7440-38-2)		3.8 B	1.9 U	5.2 B	3.6 B	1.9 U
Barium (7440-39-3)		56.6 B	68.9 B	50.3 B	165 B	1.2 B
Beryllium (7440-41-7)		0.13 U	0.13	0.13 U	0.17 B	1.1 B
Cadmium (7440-43-9)		0.42 U	0.5 B	0.42 U	0.42 U	1.2 B
Calcium (7440-70-2)		151000	456000	189000	152000	23.8 B
Chromium (7440-47-8)		1.4 U	2 B	8.7 B	14.3	1.4 U
Cobalt (7440-48-4)		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Copper (7440-50-8)		1.1 B	0.49 U	3.6 B	5.6 B	1.8 B
Cyanide (57-12-5)		15.6	48.9	10 U	10 U	10 U
Iron (7439-89-6)		62.3 B	463	223	17800	10.9 B
Lead (7439-92-1)		1.1 U	1.2 B	1.1 U	1.7 B	1.1 U
Magnesium (7439-95-4)		46.8 B	10700	53200	35500	10.5 U
Manganese (7439-96-5)		0.27 U	357	71.6	674	1.2 B
Mercury (7439-97-6)		0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Nickel (7440-02-0)		2.5 B	1.3 U	3.2 B	9.6 B	1.6 B
Potassium (7440-09-7)		47100	60200	66300	10100	69.2 U
Selenium (7782-49-2)		3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Silver (7440-22-4)		1 U	1 U	1 U	1 U	1 U
Sodium (7440-23-5)		44300	36400	133000	84600	112 B
Thallium (7440-28-0)		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Vanadium (7440-62-2)		16.5 B	2 B	9.9 B	4.9 B	1.8 B
Zinc (7440-66-6)		1.6 U	2.5 B	23.7	22.1	2.1 B

NOTES: U - not detected, B - greater than IDL, less than CRDL.

Date Printed: 06/04/99 11:19:45
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Volatile Organic Compound Data

Compound (CAS Number)	Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	S-1	S-2
	Lab ID	M0188	M0190	M0191	M0194	M0195	M0298	M0299	M0193	M0296
	Sample Date	04/19/99	04/20/99	04/20/99	04/20/99	04/20/99	04/21/99	04/21/99	04/20/99	04/21/99
	SDG ID	1489	1489	1489	1489	1489	1516	1516	1489	1516
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
1,1,1-Trichloroethane (71-55-6)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane (79-34-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane (79-00-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane (75-34-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
1,1-Dichloroethene (75-35-4)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (107-06-2)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (540-59-0)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6 J
1,2-Dichloropropane (78-87-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone (MEK) (78-93-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone (591-78-6)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK) (108-10-1)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone (67-64-1)		5 J B	10 U	6 J B	9 J	7 J	10 U	10 U	13	10 U
Benzene (71-43-2)		10 U	10 U	10 U	10 U	110	10 U	10 U	10 U	10 U
Bromodichloromethane (75-27-4)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform (75-25-2)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane (74-83-9)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide (75-15-0)		19	2 J	5 J	11	6 J	4 J	11	7 J	38
Carbon tetrachloride (56-23-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene (108-90-7)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane (75-00-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (67-66-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane (74-87-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane (124-48-1)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene (100-41-4)		10 U	10 U	10 U	10 U	10 J	10 U	10 U	10 U	10 U
Methylene chloride (75-09-2)		1 J B	10 U	2 J B	10 U	10 U	1 J B	10 U	10 U	10 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:19:52
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Volatile Organic Compound Data

Compound (CAS Number)	Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	S-1	S-2
	Lab ID	M0188	M0190	M0191	M0194	M0195	M0298	M0299	M0193	M0296
	Sample Date	04/19/99	04/20/99	04/20/99	04/20/99	04/20/99	04/21/99	04/21/99	04/20/99	04/21/99
	SDG ID	1489	1489	1489	1489	1489	1516	1516	1489	1516
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
Styrene (100-42-5)		10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Tetrachloroethene (127-18-4)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene (108-88-3)		10 U	10 U	10 U	10 U	15	10 U	10 U	10 U	10 U
Trichloroethene (79-01-6)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J
Vinyl chloride (75-01-4)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total) (1330-20-7)		10 U	10 U	10 U	10 U	40	10 U	10 U	10 U	3 J
cis-1,2-Dichloroethene (156-59-2)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6 J
cis-1,3-Dichloropropylene (10061-01-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene (156-60-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene (10061-02-6)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:19:52
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number: 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Volatile Organic Compound Data

Compound (CAS Number)	Sample ID / Lab ID / Sample Date / SDG ID / Units / Matrix	S-3 M0189 04/19/99 1489 ug/L Water	S-4 M0297 04/21/99 1516 ug/L Water	SW-1 M0192 04/20/99 1489 ug/L Water	blind dup M0196 / / 1489 ug/L Water	eq blank M0300 04/21/99 1516 ug/L Water	eq blank RE M0300RE 04/21/99 1516 ug/L Water	storage blank M0197 04/21/99 1489 ug/L Water	storage blank RE M0197RE 04/21/99 1489 ug/L Water	trip blank M0198 04/19/99 1489 ug/L Water
1,1,1-Trichloroethane (71-55-6)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane (79-34-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane (79-00-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane (75-34-3)		3 J	8 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene (75-35-4)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (107-06-2)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (540-59-0)		2 J	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane (78-87-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone (MEK) (78-93-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone (591-78-6)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK) (108-10-1)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone (67-64-1)		5 J	6 J	10 U	6 J	10 U	10 U	10 U	10 U	10 U
Benzene (71-43-2)		10 U	5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane (75-27-4)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform (75-25-2)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane (74-83-9)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide (75-15-0)		8 J	10	5 J	8 J	33	10 U	15	11	6 J
Carbon tetrachloride (56-23-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene (108-90-7)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane (75-00-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform (67-66-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane (74-87-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane (124-48-1)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene (100-41-4)		10 U	7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride (75-09-2)		1 J B	2 J B	10 U	10 U	1 J B	10 U	1 J B	1 J B	2 J B

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:19:52
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Volatile Organic Compound Data

Compound (CAS Number)	Sample ID	S-3	S-4	SW-1	blind dup	eq blank	eq blank RE	storage blank	storage blank RE	trip blank
	Lab ID	M0189	M0297	M0192	M0196	M0300	M0300RE	M0197	M0197RE	M0198
	Sample Date	04/19/99	04/21/99	04/20/99	/ /	04/21/99	04/21/99	04/21/99	04/21/99	04/19/99
	SDG ID	1489	1516	1489	1489	1516	1516	1489	1489	1489
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
Styrene (100-42-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene (127-18-4)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene (108-88-3)		1 J	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene (79-01-6)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride (75-01-4)		10 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total) (1330-20-7)		4 J	24	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene (156-59-2)		2 J	9 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropylene (10061-01-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene (156-60-5)		10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene (10061-02-6)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:19:52
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Volatile Organic Compound Data

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	trip blank M0301 04/21/99 1516 ug/L Water	trip blank RE M0301RE 04/21/99 1516 ug/L Water
1,1,1-Trichloroethane (71-55-6)		10 U	10 U
1,1,2,2-Tetrachloroethane (79-34-5)		10 U	10 U
1,1,2-Trichloroethane (79-00-5)		10 U	10 U
1,1-Dichloroethane (75-34-3)		10 U	10 U
1,1-Dichloroethene (75-35-4)		10 U	10 U
1,2-Dichloroethane (107-06-2)		10 U	10 U
1,2-Dichloroethene (540-59-0)		10 U	10 U
1,2-Dichloropropane (78-87-5)		10 U	10 U
2-Butanone (MEK) (78-93-3)		10 U	10 U
2-Hexanone (591-78-6)		10 U	10 U
4-Methyl-2-pentanone (MIBK) (108-10-1)		10 U	10 U
Acetone (67-64-1)		10 U	10 U
Benzene (71-43-2)		10 U	10 U
Bromodichloromethane (75-27-4)		10 U	10 U
Bromoform (75-25-2)		10 U	10 U
Bromomethane (74-83-9)		10 U	10 U
Carbon disulfide (75-15-0)		28	10 U
Carbon tetrachloride (56-23-5)		10 U	10 U
Chlorobenzene (108-90-7)		10 U	10 U
Chloroethane (75-00-3)		10 U	10 U
Chloroform (67-66-3)		10 U	10 U
Chloromethane (74-87-3)		10 U	10 U
Dibromochloromethane (124-48-1)		10 U	10 U
Ethylbenzene (100-41-4)		10 U	10 U
Methylene chloride (75-09-2)		2 J B	1 J B

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:19:52
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number: 1163 114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Volatile Organic Compound Data

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix	trip blank M0301 04/21/99 1516 ug/L Water	trip blank RE M0301RE 04/21/99 1516 ug/L Water
Styrene (100-42-5)		10 U	10 U
Tetrachloroethene (127-18-4)		10 U	10 U
Toluene (108-88-3)		10 U	10 U
Trichloroethene (79-01-6)		10 U	10 U
Vinyl chloride (75-01-4)		10 U	10 U
Xylene (total) (1330-20-7)		10 U	10 U
cis-1,2-Dichloroethene (156-59-2)		10 U	10 U
cis-1,3-Dichloropropylene (10061-01-5)		10 U	10 U
trans-1,2-Dichloroethene (156-60-5)		10 U	10 U
trans-1,3-Dichloropropene (10061-02-6)		10 U	10 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:19:52
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163 114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Compound Data

Sample ID	MW-1	MW-2	MW-3	MW-3 RE	MW-4	MW-5	MW-5 RE	MW-6	MW-6 RE
Lab ID	M0188	M0190	M0191	M0191RE	M0194	M0195	M0195RE	M0298	M0298RE
Sample Date	04/19/99	04/20/99	04/20/99	04/20/99	04/20/99	04/20/99	04/20/99	04/21/99	04/21/99
SDG ID	1489	1489	1489	1489	1489	1489	1489	1516	1516
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
Compound (CAS Number)									
1,2,4-Trichlorobenzene (120-82-1)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene (95-50-1)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene (541-73-1)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene (106-46-7)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroisopropyl) ether (108-60-1)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol (95-95-4)	26 U	25 U	25 U	25 U	25 U	26 U	26 U	25 U	25 U
2,4,6-Trichlorophenol (88-06-2)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol (120-83-2)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol (105-67-9)	10 U	10 U	10 U	10 U	10 U	18	17	10 U	10 U
2,4-Dinitrophenol (51-28-5)	26 U	25 U	25 U	25 U	25 U	26 U	26 U	25 U	25 U
2,4-Dinitrotoluene (121-14-2)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene (606-20-2)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene (91-58-7)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol (95-57-8)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene (91-57-6)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (95-48-7)	10 U	10 U	10 U	10 U	10 U	3 J	4 J	10 U	10 U
2-Nitroaniline (88-74-4)	26 U	25 U	25 U	25 U	25 U	26 U	26 U	25 U	25 U
2-Nitrophenol (88-75-5)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine (91-94-1)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline (99-09-2)	26 U	25 U	25 U	25 U	25 U	26 U	26 U	25 U	25 U
4,6-Dinitro-2-methylphenol (534-52-1)	26 U	25 U	25 U	25 U	25 U	26 U	26 U	25 U	25 U
4-Bromophenyl phenyl ether (101-55-3)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol (59-50-7)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline (106-47-8)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether (7005-72-3)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:20:06
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163 114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID	MW-1	MW-2	MW-3	MW-3 RE	MW-4	MW-5	MW-5 RE	MW-6	MW-6 RE
	Lab ID	M0188	M0190	M0191	M0191RE	M0194	M0195	M0195RE	M0298	M0298RE
	Sample Date	04/19/99	04/20/99	04/20/99	04/20/99	04/20/99	04/20/99	04/20/99	04/21/99	04/21/99
	SDG ID	1489	1489	1489	1489	1489	1489	1489	1516	1516
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
4-Methylphenol (106-44-5)		10 U	10 U	10 U	10 U	10 U	6 J	7 J	10 U	10 U
4-Nitroaniline (100-01-6)		26 U	25 U	25 U	25 U	25 U	26 U	26 U	25 U	25 U
4-Nitrophenol (100-02-7)		26 U	25 U	25 U	25 U	25 U	26 U	26 U	25 U	25 U
Acenaphthene (83-32-9)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene (208-96-8)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene (120-12-7)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene (56-55-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene (50-32-8)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene (205-99-2)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(ghi)perylene (191-24-2)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene (207-08-9)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate (85-68-7)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole (86-74-8)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene (218-01-9)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate (84-74-2)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate (117-84-0)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene (53-70-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran (132-64-9)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate (84-66-2)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate (131-11-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene (206-44-0)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene (86-73-7)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene (118-74-1)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene (87-68-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene (77-47-4)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:20:06
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID	MW-1	MW-2	MW-3	MW-3 RE	MW-4	MW-5	MW-5 RE	MW-6	MW-6 RE
	Lab ID	M0188	M0190	M0191	M0191RE	M0194	M0195	M0195RE	M0298	M0298RE
	Sample Date	04/19/99	04/20/99	04/20/99	04/20/99	04/20/99	04/20/99	04/20/99	04/21/99	04/21/99
	SDG ID	1489	1489	1489	1489	1489	1489	1489	1516	1516
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
Hexachloroethane (67-72-1)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene (193-39-5)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone (78-59-1)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodipropylamine (621-64-7)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine (86-30-6)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene (91-20-3)		10 U	10 U	10 U	10 U	10 U	10 J	10 J	10 U	10 U
Nitrobenzene (98-95-3)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol (87-86-5)		26 U	25 U	25 U	25 U	25 U	26 U	26 U	25 U	25 U
Phenanthrene (85-01-8)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol (108-95-2)		10 U	10 U	10 U	10 U	10 U	4 J	4 J	10 U	10 U
Pyrene (129-00-0)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethoxy)methane (111-91-1)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether (111-44-4)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate (BEHP) (117-81-7)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:20:06
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID / Lab ID / Sample Date / SDG ID / Units / Matrix	MW-7 M0299 04/21/99 1516 ug/L Water	MW-7 RE M0299RE 04/21/99 1516 ug/L Water	S-1 M0193 04/20/99 1489 ug/L Water	S-1 DL M0193DL 04/20/99 1489 ug/L Water	S-2 M0296 04/21/99 1516 ug/L Water	S-2 RE M0296RE 04/21/99 1516 ug/L Water	S-3 M0189 04/19/99 1489 ug/L Water	S-4 M0297 04/21/99 1516 ug/L Water	S-4 RE M0297RE 04/21/99 1516 ug/L Water
1,2,4-Trichlorobenzene (120-82-1)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene (95-50-1)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene (541-73-1)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	1 J	1 J
1,4-Dichlorobenzene (106-46-7)		10 U	10 U	13 J D	260 U	10 U	10 U	10 U	2 J	2 J
Bis(2-chloroisopropyl) ether (108-60-1)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol (95-95-4)		25 U	25 U	130 U	660 U	25 U	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol (88-06-2)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol (120-83-2)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol (105-67-9)		10 U	10 U	33 J D	28 J D	6 J	5 J	28	51	37
2,4-Dinitrophenol (51-28-5)		25 U	25 U	130 U	660 U	25 U	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene (121-14-2)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene (606-20-2)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene (91-58-7)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol (95-57-8)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene (91-57-6)		10 U	10 U	17 J D	260 U	10 U	10 U	4 J	2 J	1 J
2-Methylphenol (95-48-7)		10 U	10 U	53 U	260 U	10 U	10 U	10 J	2 J	2 J
2-Nitroaniline (88-74-4)		25 U	25 U	130 U	660 U	25 U	25 U	25 U	25 U	25 U
2-Nitrophenol (88-75-5)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine (91-94-1)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline (99-09-2)		25 U	25 U	130 U	660 U	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol (534-52-1)		25 U	25 U	130 U	660 U	25 U	25 U	25 U	25 U	25 U
4-Bromophenyl phenyl ether (101-55-3)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol (59-50-7)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	5 J	4 J
4-Chloroaniline (106-47-8)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether (7005-72-3)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:20:06
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number: 1163 114

O'BRIEN & GERE ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID / Lab ID / Sample Date / SDG ID / Units / Matrix	MW-7 M0299 04/21/99 1516 ug/L Water	MW-7 RE M0299RE 04/21/99 1516 ug/L Water	S-1 M0193 04/20/99 1489 ug/L Water	S-1 DL M0193DL 04/20/99 1489 ug/L Water	S-2 M0296 04/21/99 1516 ug/L Water	S-2 RE M0296RE 04/21/99 1516 ug/L Water	S-3 M0189 04/19/99 1489 ug/L Water	S-4 M0297 04/21/99 1516 ug/L Water	S-4 RE M0297RE 04/21/99 1516 ug/L Water
4-Methylphenol (106-44-5)		10 U	10 U	53 U	260 U	10 U	10 U	25	10 U	10 U
4-Nitroaniline (100-01-6)		25 U	25 U	130 U	660 U	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol (100-02-7)		25 U	25 U	130 U	660 U	25 U	25 U	25 U	25 U	25 U
Acenaphthene (83-32-9)		10 U	10 U	180 D	180 J D	1 J	1 J	3 J	10 U	10 U
Acenaphthylene (208-96-8)		10 U	10 U	53 U	260 U	1 J	1 J	4 J	10 U	10 U
Anthracene (120-12-7)		10 U	10 U	110 D	110 J D	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene (56-55-3)		10 U	10 U	310 D	310 D	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene (50-32-8)		10 U	10 U	150 D	150 J D	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene (205-99-2)		10 U	10 U	210 D	250 J D	10 U	10 U	10 U	10 U	10 U
Benzo(ghi)perylene (191-24-2)		10 U	10 U	220 D	190 J D	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene (207-08-9)		10 U	10 U	77 D	98 J D	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate (85-68-7)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Carbazole (86-74-8)		10 U	10 U	53 U	260 U	10 U	10 U	2 J	10 U	10 U
Chrysene (218-01-9)		10 U	10 U	380 D	390 D	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate (84-74-2)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate (117-84-0)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene (53-70-3)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran (132-64-9)		10 U	10 U	73 D	82 J D	10 U	10 U	2 J	10 U	10 U
Diethyl phthalate (84-66-2)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate (131-11-3)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene (206-44-0)		10 U	10 U	710 ED	840 D	10 U	10 U	10 U	10 U	10 U
Fluorene (86-73-7)		10 U	10 U	99 D	120 J D	1 J	1 J	2 J	1 J	1 J
Hexachlorobenzene (118-74-1)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene (87-68-3)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene (77-47-4)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:20:06
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number: 1163 114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID / Lab ID / Sample Date / SDG ID / Units / Matrix	MW-7 M0299 04/21/99 1516 ug/L Water	MW-7 RE M0299RE 04/21/99 1516 ug/L Water	S-1 M0193 04/20/99 1489 ug/L Water	S-1 DL M0193DL 04/20/99 1489 ug/L Water	S-2 M0296 04/21/99 1516 ug/L Water	S-2 RE M0296RE 04/21/99 1516 ug/L Water	S-3 M0189 04/19/99 1489 ug/L Water	S-4 M0297 04/21/99 1516 ug/L Water	S-4 RE M0297RE 04/21/99 1516 ug/L Water
Hexachloroethane (67-72-1)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene (193-39-5)		10 U	10 U	190 D	140 J D	10 U	10 U	10 U	10 U	10 U
Isophorone (78-59-1)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodipropylamine (621-64-7)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine (86-30-6)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Naphthalene (91-20-3)		10 U	10 U	6 J D	260 U	10 U	10 U	40	11	8 J
Nitrobenzene (98-95-3)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol (87-86-5)		25 U	25 U	130 U	660 U	25 U	25 U	25 U	25 U	25 U
Phenanthrene (85-01-8)		10 U	10 U	210 D	220 J D	10 U	10 U	2 J	10 U	10 U
Phenol (108-95-2)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Pyrene (129-00-0)		10 U	10 U	1400 ED	2000 D	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethoxy)methane (111-91-1)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether (111-44-4)		10 U	10 U	53 U	260 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate (BEHP) (117-81-7)		10 U	10 U	190 D	170 J D	10 U	10 U	10 U	10 U	10 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:20:06
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP
File Number 1163 114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID	SW-1	blind dup	blind dup RE	eq blank
	Lab ID	M0192	M0196	M0196RE	M0300
	Sample Date	04/20/99	/ /	/ /	04/21/99
	SDG ID	1489	1489	1489	1516
	Units	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water
1,2,4-Trichlorobenzene (120-82-1)		10 U	10 U	10 U	11 U
1,2-Dichlorobenzene (95-50-1)		10 U	10 U	10 U	11 U
1,3-Dichlorobenzene (541-73-1)		10 U	10 U	10 U	11 U
1,4-Dichlorobenzene (106-46-7)		10 U	10 U	10 U	11 U
Bis(2-chloroisopropyl) ether (108-60-1)		10 U	10 U	10 U	11 U
2,4,5-Trichlorophenol (95-95-4)		26 U	26 U	26 U	26 U
2,4,6-Trichlorophenol (88-06-2)		10 U	10 U	10 U	11 U
2,4-Dichlorophenol (120-83-2)		10 U	10 U	10 U	11 U
2,4-Dimethylphenol (105-67-9)		10 U	10 U	10 U	11 U
2,4-Dinitrophenol (51-28-5)		26 U	26 U	26 U	26 U
2,4-Dinitrotoluene (121-14-2)		10 U	10 U	10 U	11 U
2,6-Dinitrotoluene (606-20-2)		10 U	10 U	10 U	11 U
2-Chloronaphthalene (91-58-7)		10 U	10 U	10 U	11 U
2-Chlorophenol (95-57-8)		10 U	10 U	10 U	11 U
2-Methylnaphthalene (91-57-6)		10 U	10 U	10 U	11 U
2-Methylphenol (95-48-7)		10 U	10 U	10 U	11 U
2-Nitroaniline (88-74-4)		26 U	26 U	26 U	26 U
2-Nitrophenol (88-75-5)		10 U	10 U	10 U	11 U
3,3-Dichlorobenzidine (91-94-1)		10 U	10 U	10 U	11 U
3-Nitroaniline (99-09-2)		26 U	26 U	26 U	26 U
4,6-Dinitro-2-methylphenol (534-52-1)		26 U	26 U	26 U	26 U
4-Bromophenyl phenyl ether (101-55-3)		10 U	10 U	10 U	11 U
4-Chloro-3-methylphenol (59-50-7)		10 U	10 U	10 U	11 U
4-Chloroaniline (106-47-8)		10 U	10 U	10 U	11 U
4-Chlorophenyl phenyl ether (7005-72-3)		10 U	10 U	10 U	11 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:20:06
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number: 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID	SW-1	blind dup	blind dup RE	eq blank
	Lab ID	M0192	M0196	M0196RE	M0300
	Sample Date	04/20/99	/ /	/ /	04/21/99
	SDG ID	1489	1489	1489	1516
	Units	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water
4-Methylphenol (106-44-5)		10 U	10 U	10 U	11 U
4-Nitroaniline (100-01-6)		26 U	26 U	26 U	26 U
4-Nitrophenol (100-02-7)		26 U	26 U	26 U	26 U
Acenaphthene (83-32-9)		10 U	10 U	10 U	11 U
Acenaphthylene (208-96-8)		10 U	10 U	10 U	11 U
Anthracene (120-12-7)		10 U	10 U	10 U	11 U
Benzo(a)anthracene (56-55-3)		10 U	10 U	10 U	11 U
Benzo[a]pyrene (50-32-8)		10 U	10 U	10 U	11 U
Benzo(b)fluoranthene (205-99-2)		10 U	10 U	10 U	11 U
Benzo(ghi)perylene (191-24-2)		10 U	10 U	10 U	11 U
Benzo(k)fluoranthene (207-08-9)		10 U	10 U	10 U	11 U
Butyl benzyl phthalate (85-68-7)		10 U	10 U	10 U	11 U
Carbazole (86-74-8)		10 U	10 U	10 U	11 U
Chrysene (218-01-9)		10 U	10 U	10 U	11 U
Di-n-butyl phthalate (84-74-2)		10 U	10 U	10 U	11 U
Di-n-octyl phthalate (117-84-0)		10 U	10 U	10 U	11 U
Dibenzo(a,h)anthracene (53-70-3)		10 U	10 U	10 U	11 U
Dibenzofuran (132-64-9)		10 U	10 U	10 U	11 U
Diethyl phthalate (84-66-2)		10 U	10 U	10 U	11 U
Dimethyl phthalate (131-11-3)		10 U	10 U	10 U	11 U
Fluoranthene (206-44-0)		10 U	10 U	10 U	11 U
Fluorene (86-73-7)		10 U	10 U	10 U	11 U
Hexachlorobenzene (118-74-1)		10 U	10 U	10 U	11 U
Hexachlorobutadiene (87-68-3)		10 U	10 U	10 U	11 U
Hexachlorocyclopentadiene (77-47-4)		10 U	10 U	10 U	11 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:20:06
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP
File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID	SW-1	blind dup	blind dup RE	eq blank
	Lab ID	M0192	M0196	M0196RE	M0300
	Sample Date	04/20/99	/ /	/ /	04/21/99
	SDG ID	1489	1489	1489	1516
	Units	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water
Hexachloroethane (67-72-1)		10 U	10 U	10 U	11 U
Indeno(1,2,3-cd)pyrene (193-39-5)		10 U	10 U	10 U	11 U
Isophorone (78-59-1)		10 U	10 U	10 U	11 U
N-Nitrosodipropylamine (621-64-7)		10 U	10 U	10 U	11 U
N-Nitrosodiphenylamine (86-30-6)		10 U	10 U	10 U	11 U
Naphthalene (91-20-3)		10 U	10 U	10 U	11 U
Nitrobenzene (98-95-3)		10 U	10 U	10 U	11 U
Pentachlorophenol (87-86-5)		26 U	26 U	26 U	26 U
Phenanthrene (85-01-8)		10 U	10 U	10 U	11 U
Phenol (108-95-2)		10 U	10 U	10 U	11 U
Pyrene (129-00-0)		10 U	10 U	10 U	11 U
Bis(2-chloroethoxy)methane (111-91-1)		10 U	10 U	10 U	11 U
Bis(2-chloroethyl)ether (111-44-4)		10 U	10 U	10 U	11 U
Bis(2-ethylhexyl)phthalate (BEHP) (117-81-7)		10 U	10 U	10 U	11 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis.

Date Printed: 06/04/99 11:20:06
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Pesticide/PCB Data

Compound (CAS Number)	Sample ID / Lab ID / Sample Date / SDG ID / Units / Matrix	MW-1 M0188 04/19/99 1489 ug/L Water	MW-2 M0190 04/20/99 1489 ug/L Water	MW-3 M0191 04/20/99 1489 ug/L Water	MW-4 M0194 04/20/99 1489 ug/L Water	MW-5 M0195 04/20/99 1489 ug/L Water	MW-6 M0298 04/21/99 1516 ug/L Water	MW-7 M0299 04/21/99 1516 ug/L Water	S-1 M0193 04/20/99 1489 ug/L Water	S-1 DL M0193DL 04/20/99 1489 ug/L Water
4,4'-DDD (72-54-8)		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.051 JP	5.1 U
4,4'-DDE (72-55-9)		0.1 U	0.1 U	0.1 U	0.0007 JP	0.0014 JP	0.1 U	0.1 U	1.3 P	2 JD
4,4'-DDT (50-29-3)		0.1 U	0.0007 JP	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.51 U	0.035 JP
Aldrin (309-00-2)		0.051 U	0.051 U	0.051 U	0.05 U	0.0016 JP	0.05 U	0.05 U	0.25 U	2.5 U
Aroclor 1016 (12674-11-2)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.1 U	51 U
Aroclor 1221 (11104-28-2)		2 U	2 U	2 U	2 U	2 U	2 U	2 U	0 U	100 U
Aroclor 1232 (11141-16-5)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.1 U	51 U
Aroclor 1242 (53469-21-9)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.1 U	51 U
Aroclor 1248 (12672-29-6)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0 P	110 PD
Aroclor 1254 (11097-69-1)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.1 U	51 U
Aroclor 1260 (11096-82-5)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0 P	110 PD
Dieldrin (60-57-1)		0.1 U	0.1 U	0.0024 JP	0.1 U	0.0036 JP	0.1 U	0.1 U	0.51 U	5.1 U
Endosulfan I (959-98-8)		0.003 JP	0.0012 JP	0.0013 JP	0.0043 JP	0.0025 JP	0.0014 JP	0.0012 JP	0.14 JP	2.5 U
Endosulfan II (33213-65-9)		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.1	2.8 JPD
Endosulfan sulfate (1031-07-8)		0.0013 JP	0.00092 JP	0.0015 JP	0.0042 JP	0.004 JP	0.1 U	0.1 U	0.51 U	5.1 U
Endrin (72-20-8)		0.1 U	0.1 U	0.1 U	0.0028 J	0.0055 JP	0.1 U	0.1 U	0.51 U	0.17 JPD
Endrin aldehyde (7421-93-4)		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.3 JP	0.65 JPD
Endrin ketone (53494-70-5)		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.51 U	5.1 U
Heptachlor (76-44-8)		0.051 U	0.051 U	0.051 U	0.05 U	0.00072 JP	0.05 U	0.05 U	0.25 U	2.5 U
Heptachlor epoxide (1024-57-3)		0.0038 J	0.0024 JP	0.0052 JP	0.00034 JP	0.0017 JP	0.0027 JP	0.0048 J	0.25 U	2.5 U
Methoxychlor (72-43-5)		0.51 U	0.51 U	0.51 U	0.0033 JP	0.0061 J	0.5 U	0.5 U	0.83 JP	1.3 JPD
Toxaphene (8001-35-2)		5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	0 U	250 U
alpha-BHC (319-84-6)		0.01 BJP	0.0089 BJ	0.00093 BJP	0.0089 BJP	0.0069 BJP	0.05 U	0.0061 BJ	0.25 U	2.5 U
alpha-Chlordane (5103-71-9)		0.051 U	0.051 U	0.051 U	0.00093 JP	0.051 U	0.05 U	0.05 U	0.25 U	2.5 U
beta-BHC (319-85-7)		0.051 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U	0.05 U	0.25 U	2.5 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis, P - greater than 25% difference between results on two GC columns.

Date Printed: 06/04/99 11:20:25
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Pesticide/PCB Data

Compound (CAS Number)	Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	S-1	S-1 DL
	Lab ID	M0188	M0190	M0191	M0194	M0195	M0298	M0299	M0193	M0193DL
	Sample Date	04/19/99	04/20/99	04/20/99	04/20/99	04/20/99	04/21/99	04/21/99	04/20/99	04/20/99
	SDG ID	1489	1489	1489	1489	1489	1516	1516	1489	1489
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
delta-BHC (319-86-8)		0.051 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U	0.05 U	0.0048 JP	2.5 U
gamma-BHC (Lindane) (58-89-9)		0.051 U	0.0051 JP	0.051 U	0.004 JP	0.0085 J	0.05 U	0.05 U	0.25 U	2.5 U
gamma-Chlordane (5103-74-2)		0.008 BJP	0.013 BJP	0.014 BJP	0.0056 BJP	0.0018 BJP	0.0083 JP	0.008 JP	0.25 U	2.5 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis, P - greater than 25% difference between results on two GC columns.

Date Printed: 06/04/99 11:20:25
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number: 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Pesticide/PCB Data

Compound (CAS Number)	Sample ID	S-2	S-3	S-4	SW-1	blind dup	eq blank
	Lab ID	M0296	M0189	M0297	M0192	M0196	M0300
	Sample Date	04/21/99	04/19/99	04/21/99	04/20/99	/ /	/ /
	SDG ID	1516	1489	1516	1489	1489	1516
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water	Water	Water
4,4'-DDD (72-54-8)		0.1 U	0.00049 JP	0.0047 JP	0.002 J	0.1 U	0.1 U
4,4'-DDE (72-55-9)		0.0024 JP	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT (50-29-3)		0.00079 BJP	0.00077 JP	0.022 BJP	0.1 U	0.1 U	0.1 U
Aldrin (309-00-2)		0.051 U	0.05 U	0.05 U	0.051 U	0.051 U	0.051 U
Aroclor 1016 (12674-11-2)		1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1221 (11104-28-2)		2 U	2 U	2 U	2 U	2 U	2.1 U
Aroclor 1232 (11141-16-5)		1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1242 (53469-21-9)		0.47 JP	0.52 JP	1.5 P	1 U	1 U	1 U
Aroclor 1248 (12672-29-6)		1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1254 (11097-69-1)		1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1260 (11096-82-5)		1 U	1 U	1 U	1 U	1 U	1 U
Dieldrin (60-57-1)		0.1 U	0.00047 JP	0.1 U	0.00096 JP	0.00041 JP	0.1 U
Endosulfan I (959-98-8)		0.051 U	0.05 U	0.05 U	0.051 U	0.0014 JP	0.051 U
Endosulfan II (33213-65-9)		0.0018 JP	0.00084 JP	0.0079 JP	0.00052 JP	0.00054 JP	0.00097 JP
Endosulfan sulfate (1031-07-8)		0.0025 BJP	0.0014 JP	0.0023 BJP	0.0018 JP	0.00062 JP	0.1 U
Endrin (72-20-8)		0.0029 JP	0.1 U	0.011 JP	0.00056 JP	0.1 U	0.1 U
Endrin aldehyde (7421-93-4)		0.0017 JP	0.0016 J	0.0096 JP	0.1 U	0.1 U	0.1 U
Endrin ketone (53494-70-5)		0.00041 JP	0.1 U	0.0075 JP	0.1 U	0.1 U	0.1 U
Heptachlor (76-44-8)		0.051 U	0.05 U	0.05 U	0.051 U	0.051 U	0.051 U
Heptachlor epoxide (1024-57-3)		0.051 U	0.0026 JP	0.025 J	0.051 U	0.0013 JP	0.051 U
Methoxychlor (72-43-5)		0.51 U	0.5 U	0.5 U	0.51 U	0.51 U	0.51 U
Toxaphene (8001-35-2)		5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U
alpha-BHC (319-84-6)		0.00081 BJP	0.05 U	0.05 U	0.0083 BJP	0.051 U	0.0013 BJP
alpha-Chlordane (5103-71-9)		0.0016 JP	0.05 U	0.012 JP	0.051 U	0.051 U	0.051 U
beta-BHC (319-85-7)		0.051 U	0.05 U	0.05 U	0.051 U	0.051 U	0.051 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis, P - greater than 25% difference between results on two GC columns.

Date Printed: 06/04/99 11:20:25
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Pesticide/PCB Data

Compound (CAS Number)	Sample ID	S-2	S-3	S-4	SW-1	blind dup	eq blank
	Lab ID	M0296	M0189	M0297	M0192	M0196	M0300
	Sample Date	04/21/99	04/19/99	04/21/99	04/20/99	/ /	/ /
	SDG ID	1516	1489	1516	1489	1489	1516
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	Water	Water	Water	Water	Water	Water
delta-BHC (319-86-8)		0.051 U	0.05 U	0.008 JP	0.051 U	0.051 U	0.051 U
gamma-BHC (Lindane) (58-89-9)		0.051 U	0.05 U	0.05 U	0.051 U	0.051 U	0.051 U
gamma-Chlordane (5103-74-2)		0.0018 JP	0.00072 BJP	0.05 U	0.0048 BJP	0.011 BJP	0.051 U

NOTES: U- not detected, J - estimated, B - detected in associated blank, E - outside instrument linear range, use result from diluted analysis, D - diluted analysis, P - greater than 25% difference between results on two GC columns.

Date Printed: 06/04/99 11:20:25
DBF File: L:\1163114\TEMPDATA.DBF
FXP File: L:\1163114\TABLEPR.FXP

File Number 1163 114

Attachment 3

QA/QC Summary

NARRATIVE

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from AlliedSignal, Cherry Farms located in Tonawanda, NY.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The coolers were received intact. When the coolers were received by the laboratory, the sample custodian(s) opened and inspected the shipments for damage, custody inconsistencies and proper preservation. The chain of custody forms documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. The cooler temperatures were 4 and 5 °C upon receipt.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	95-1	1
Semivolatile Organics	95-2	1
Pesticides/PCBs	95-3	1
ICP Metals	200.7 CLP-M	1
Mercury	245.1 CLP-M	1
Cyanide	335.2 CLP-M	1

1) New York State Department of Environmental Conservation Analytical Services Protocol, October 1995.

QUALITY CONTROL

The quality control for this program includes surrogates, internal standards, matrix spike (MS), matrix spike duplicate (MSD), matrix spike blank, laboratory duplicate (D), blind duplicate, equipment blank, laboratory control sample (LCS), prep blank, storage blank and QC trip blank samples. QA/QC results are summarized in the Sample Data Summary Package and are also included in the raw data.

Volatile Organics

The GC/MS Volatile instruments used a J&W DB-VRX, 60 m X 0.25 mm ID capillary column.

Holding Times

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample

The following compound did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
L042899W1	Chloromethane	1

1. This compound failed high and was not detected in the associated samples. No further corrective action was taken.

MS/MSB/MSD
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogates
All surrogate recoveries met method and/or project specific QC criteria.

Internal Standard Areas
All internal standard areas met method and/or project specific QC criteria.

Calibrations
The following continuing calibration compounds exceeded method percent drift criteria:

Calibration Date	Instrument	Compound	Corrective Action
04/27/99	MS#3	Carbon tetrachloride	1
04/28/99	MS#3	Bromoform	1
04/29/99	MS#3	Carbon tetrachloride	1

1. No corrective action was required. The total %D was less than $\pm$ 40%

For calibration check standard compounds that had a linear regression performed, a percent drift was calculated between the true value of the calibration check standard and the calculated value. For compounds using an average response factor, the percent difference between the average response factor and the daily response factor was calculated. Summary sheets for both calculations are included in the raw data section.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Miscellaneous
The following compound was detected in the following equipment, storage and trip blanks:

Sample Description	Sample #	Compound	Concentration	Corrective Action
Storage Blank	M0197	Carbon disulfide	15 ug/L	1
Equipment Blank	M0300	Carbon disulfide	33 ug/L	2
QC Trip Blank	M0301	Carbon disulfide	28 ug/L	2

1. The sample was reanalyzed with similar results. No further corrective action was taken.

2. The sample was reanalyzed and was below reporting limits. Both sets of data are included. No further corrective action was taken.

Semivolatile Organics

The GC/MS Semivolatile instruments used a J&W DB-5MS, 30 m X 0.25 mm ID capillary column.

Holding Times

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample

The following compound did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
L042399W1R	Di-n-octyl phthalate	1

1. This compound failed high and was not detected in the associated samples. No further corrective action was taken.

MS/MSB/MSD

The following compounds did not meet matrix spike/matrix spike blank/matrix spike duplicate percent recovery criteria:

Sample Description	Sample #	Compound	Corrective Action
S-3	M0189	1,2,4-Trichlorobenzene	1
		4-Chloro-3-methylphenol	1
		4-Nitrophenol	1
		Pentachlorophenol	1
		Pyrene	1
MSB01	PS042399W1	4-Nitrophenol	2

1. RPD criteria was met. No corrective action required.

2. The continuous extraction method shows greater efficiency than the separatory funnel extraction from which control limits were developed. The recovery exceeded the upper control limit. No corrective action was taken.

Surrogates
The following sample did not meet surrogate recovery criteria:

Sample Description	Sample #	Surrogate	Corrective Action
S-1	M0193	2-Fluorobiphenyl	1,2
	M0193DL	Terphenyl-d14	1,3
MW-7	M0299	2-Fluorophenol	4
		Phenol-d5	4
		2-Chlorophenol-d4	4
		1,2-dichlorobenzene-d4	4
		Nitrobenzene-d5	4
		2-Fluorobiphenyl	4
		2,4,6-Tribromophenol	4

1. Two (2) of the three (3) base/neutral and/or acid extractable surrogate recoveries passed laboratory criteria. No further corrective action required.

2. The sample was analyzed at a dilution and met surrogate recovery criteria. Both sets of data are included. No further corrective action was taken.

3. Surrogate recovery criteria was met in the original analysis. Both sets of data are included. No further corrective action was taken.

4. The sample was reanalyzed to confirm surrogate recovery. Both sets of data are included. We suspect that the sample was inadvertently spiked twice. No further corrective action was taken.

Internal Standard Areas
The internal standard area for the following sample did not meet abundance criteria:

Sample Description	Sample #	Internal Standard	Corrective Action
MW-3	M0191	Chrysene-d12	1
		Perylene-d12	2
S-1	M0193	Acenaphthene-d10	3
		Phenanthrene-d10	3
		Chrysene-d12	2
		Perylene-d12	2
S-3	M0189	Perylene-d12	4
MW-5	M0195	Chrysene-d12	2
		Perylene-d12	2

Sample Description	Sample #	Internal Standard	Corrective Action
Blind Dup	M0196	Perylene-d12	2
S-2	M0296	Perylene-d12	2
S-4	M0297	Perylene-d12	2
MW-6	M0298	Perylene-d12	2

1. The internal standard area met abundance criteria in the reanalysis. Both sets of data are included. No further corrective action was taken.

2. The internal standard area was confirmed by reanalysis. Both sets of data are included. No further corrective action was taken.

3. The sample was analyzed at a dilution and the internal standard area met abundance criteria. Both sets of data are included. No further corrective action was taken.

4. Sample/MS/MSD confirm each other. No other corrective action is required.

Calibrations

The following continuing calibration compounds exceeded method percent drift criteria:

Calibration Date	Instrument	Compound	Corrective Action
04/28/99	MS#5	Indeno[1,2,3-cd]pyrene	1
		Dibenz[a,h]anthracene	1
		Benzo[g,h,i]perylene	1

1. The method allows up to four compounds to exceed percent drift criteria as long as their percent difference is less than 40%. No corrective action was required.

For calibration check standard compounds that had a linear regression performed, a percent drift was calculated between the true value of the calibration check standard and the calculated value. For compounds using an average response factor, the percent difference between the average response factor and the daily response factor was calculated. Summary sheets for both calculations are included in the raw data section.

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

Pesticide/PCBs

The GC Semivolatile instruments used a DB-608, 30 m X .53 mm ID capillary column and a DB-1701, 30 m X .53 mm ID capillary column.

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

MS/MSB/MSD
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogates
The following samples did not meet criteria for surrogate recoveries for Decachlorobiphenyl (DCBP):

Sample Description	Sample #	Column	Corrective Action
MW-4	M0194	DB-608	1
MW-5	M0195	DB-608 & DB-1701	1
Blind Duplicate	M0196	DB-608	1

1. The control limits are advisory only. No corrective action is required.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Miscellaneous
The florisil check sample had high recoveries for the following compounds: heptachlor, endrin, methoxychlor, 4,4'-DDT and DCBP. The matrix spike blank and MS/MSD for these compounds met percent recovery criteria.

Inorganic Data

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

D/MS/MSD
All spike recovery and RPD data met method and/or project specific QC criteria.

ICP Serial Dilution
The following analyte did not meet ICP serial dilution recovery criteria:

Sample Description	Sample #	Analyte	Corrective Action
S-3	M0189	Barium	1

1. Form I's were flagged with an "E" accordingly.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

RAW DATA

The raw data is organized in the NYSDEC ASP Superfund order of data requirements.

TELEFAX

O'BRIEN & GERE ENGINEERS, INC. *Direct Line Fax No. (315) 463-7554*

CONFIDENTIALITY NOTICE

Job Number: 22336

Number of Pages: 3 (including cover sheet) Date: July 8, 1999

If pages are missing or illegible, please contact telefax operator

TO: **Brian Sidowski**

COMPANY: **NYSDEC**

FAX NO: **716-851-7226**

FROM: **Peter Bogardus**

ORIGINAL —

____ will follow via regular mail ____ will follow via overnight delivery ____ will not follow

MESSAGE:

Attached is the revised GW elevation table. Please call with any questions.
Thanks -Peter.

Ground Water Elevations
Cherry Farm /River Road Site
Tonawanda, NY

	TOC		11/21/97		12/5/97		12/24/97		1/6/98		2/2/98		2/16/98		4/1/98		4/27/98		5/27/98		6/25/98		7/31/98		8/27/98		9/28/98		10/21/98		11/23/98		12/29/98	
Well	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation
MW-1	577.68	11.32	566.36	11.48	566.20	11.79	565.89	11.48	566.20	11.62	566.06	11.53	566.15	11.10	566.58	11.34	566.34	11.37	566.31	11.5	566.18	11.58	566.10	11.65	566.03	11.75	565.93	11.95	565.73	12.41	565.27	12.63	565.05
MW-2	576.76	13.13	563.63	12.84	563.92	13.18	563.58	12.8	563.96	12.81	563.95	12.82	563.94	12.36	564.40	12.57	564.19	12.69	564.07	12.69	564.07	12.91	563.85	12.84	563.92	12.96	563.80	13.11	563.65	13.67	563.09	13.95	562.81
MW-3	571.16	5.29	565.87	5.57	565.59	5.87	565.29	5.45	565.71	5.45	565.71	5.48	565.68	5.12	566.04	5.31	565.85	5.5	565.66	5.59	565.57	5.79	565.37	5.9	565.26	5.96	565.20	6.08	565.08	6.46	564.70	7.05	564.11
MW-4	583.83	18.20	565.63	17.96	565.87	18.1	565.73	20.17	563.66	Frozen		18.06	565.77	18.02	565.81	17.90	565.93	18	565.83	17.99	565.84	18.09	565.74	18.18	565.65	18.18	565.65	18.45	565.38	16.87	564.96	19.3	564.53
MW-5	584.14	18.47	565.67	19.11	565.03	19.19	564.95	18.91	565.23	18.82	565.32	19.04	565.10	18.69	565.45	18.78	565.36	18.04	566.10	18.63	565.49	18.73	565.41	18.48	565.66	18.6	565.54	18.92	565.22	9.36	574.78	19.74	564.40
MW-6	585.70	20.84	564.86	20.72	564.98	21.03	564.67	20.43	565.27	20.34	565.36	20.8	564.90	20.30	565.40	20.10	565.60	20.36	565.32	20.28	565.42	20.48	565.22	19.93	565.77	20.32	565.38	20.3	565.40	21.14	564.56	21.69	564.01
MW-7	586.40	21.09	565.31	21	565.40	21.15	565.25	20.8	565.60	20.57	565.83	20.92	565.48	20.61	565.79	20.63	565.77	20.78	565.62	20.77	565.63	21.06	565.35	20.41	565.99	20.78	565.62	21	565.40	21.7	564.70	22.13	564.27
OW-1	573.83	8.20	565.63	8.48	565.35	8.76	565.07	8.42	565.41	8.38	565.45	8.5	565.33	7.96	565.85	8.03	565.75	8.25	565.58	8.23	565.60	8.41	565.42	8.3	565.53	8.39	565.45	8.69	565.14	9.14	564.69	9.66	564.17
OW-2	584.14	15.45	568.69	15.62	568.52	15.57	568.57	15.77	568.37	15.60	568.54	15.62	568.52	15.88	568.26	15.99	568.15	15.93	568.21	15.81	568.33	16.04	568.10	16	568.14	15.94	568.20	15.94	568.20	15.94	568.20	16	568.14
OW-3	576.25	10.69	565.56	11	565.25	11.07	565.18	10.8	565.45	10.58	565.67	10.92	565.33	10.55	565.70	10.63	565.62	10.6	565.65	10.91	565.34	10.55	565.70	10.03	566.22	10.1	566.15	10.42	565.83	10.8	565.45	11.36	564.87
OW-4	572.21	6.67	565.54	6.93	565.28	7.07	565.14	6.76	565.45	6.62	565.59	6.9	565.31	6.45	565.76	6.48	565.73	6.6	565.61	6.8	565.41	6.53	565.68	5.91	566.30	6.16	565.05	6.41	565.80	6.88	565.33	7.47	564.74
OW-5	584.16	16.75	567.41	16.75	567.41	17.06	567.10	17.1	567.06	17.11	567.05	16.92	567.24	17.16	567.00	17.42	566.74	17.33	566.83	17.39	566.77	17.53	566.63	17.06	567.10	16.96	567.20	17.06	567.10	16.95	567.21	17.32	566.84
OW-6	572.12	6.09	566.03	6.3	565.82	6.36	565.76	5.97	566.15	5.70	566.42	6.00	566.09	5.82	566.30	6.01	566.11	6.22	565.90	6.56	565.56	6.25	565.87	4.28	567.84	4.45	567.67	5.03	567.09	5.64	566.48	6.77	565.35
OW-8	571.31	5.59	565.72	5.53	565.78	5.6	565.71	5.27	566.04	5.15	566.16	5.31	566.00	5.22	566.09	5.34	565.97	5.71	565.60	5.74	565.57	5.77	565.54	4.69	566.62	3.92	567.39	5.23	566.08	5.36	565.95	6.43	564.88
OW-9	588.32	21.03	567.24	20.62	567.70	20.92	567.40	20.72	567.60	20.36	567.96	20.48	567.84	20.32	568.00	20.56	567.76	21.12	567.20	21.55	566.77	NA	NA	NA	NA	17.43	570.89	18.63	569.69	20.08	568.24	NA	NA
RW-1	581.82	18.13	565.69	22.17	559.65	22.17	559.65	21.16	560.64	16.28	565.54	19.42	562.40	21.51	560.31	21.31	560.51	21.2	560.62	21.53	560.29	21.28	560.54	21.09	560.74	21.65	559.97	25.35	556.47	17.23	564.59	27.15	554.67
RW-2	581.82	15.85	565.97	22.1	559.72	21.37	560.45	21.95	559.87	21.85	559.97	21.32	560.50	21.61	560.21	22.04	559.78	21.93	559.89	21.37	560.45	21.55	560.27	21.53	560.29	21.4	560.42	25.61	556.21	26.01	555.81	25.88	555.94
RW-3	582.30	10.30	572.00	22.63	559.67	22.7	559.60	19.77	562.53	21.96	560.34	22.29	560.01	22.69	559.62	22.10	560.20	22.12	560.18	22.24	560.06	22.65	559.65	21.59	560.71	22.19	560.11	26.55	555.75	26.77	555.53	30.32	543.98
RW-4	581.83	19.06	562.77	27.77	554.06	28.45	553.38	28.46	553.37	21.51	560.32	28.3	553.53	28.47	553.36	21.96	559.88	21.12	560.71	21.95	559.88	21.81	560.02	22.08	559.75	21.52	560.31	24.51	557.32	24.53	557.30	17.29	564.54
RW-5	582.05	18.39	565.66	37.67	544.38	22.44	559.61	22.28	559.77	21.70	560.35	21.47	560.59	33.93	548.07	22.27	559.78	21.51	560.54	18.37	563.68	22.02	560.03	22.28	559.77	21.75	560.30	25.42	556.63	37.62	544.43	25.61	556.44
RW-6	570.76	5.21	565.55	10.05	560.71	10.93	559.83	10.14	560.62	10.90	559.86	10.46	560.30	10.40	560.36	10.19	560.57	10.55	560.21	8.05	562.71	10.42	560.34	10.12	560.64	5.36	565.40	15.2	555.56	14.23	556.53	14.63	556.13
RW-7	570.67	4.91	565.76	10.55	560.12	11.06	559.61	10.47	560.20	10.79	559.88	10.85	559.82	10.40	560.27	10.65	560.02	10.23	560.44	5.26	565.41	10.05	560.62	10.37	560.30	19.8	550.87	14.97	555.70	5.72	564.95	22.12	548.55
RW-8	583.83	22.39	561.44	22.51	561.32	23.09	560.74	18.47	565.36	18.40	565.43	22.26	561.57	22.68	561.15	22.63	561.20	22.6	561.23	18.4	565.43	18.45	565.38	22.23	561.60	22.69	561.14	27.12	556.71	26.7	557.13	26.12	557.71
RW-9	583.86	24.05	559.81	23.36	560.50	23.58	560.28	18.45	565.41	18.37	565.49	23.58	560.28	21.75	562.11	18.12	565.74	18.4	565.46	18.24	565.62	18.5	565.36	17.71	568.15	23.93	559.93	18.31	565.55	27.23	556.63	19.63	564.23
RW-10	583.28	23.47	559.81	23.39	559.89	23.52	559.76	23.5	559.78	22.45	560.83	22.82	560.46	22.98	560.30	23.03	560.25	23.28	560.02	17.55	565.73	23.36	559.92	22.79	560.49	23.35	559.93	23.31	559.97	23.52	559.76	22.65	560.63
RW-11	581.22	20.95	560.27	20.24	560.98	20.09	561.13	20.95	560.27	20.83	560.39	20.09	561.13	20.28	560.94	21.13	560.09	20.56	560.64	17.84	563.38	NA	NA	20.32	560.90	21.07	560.15	20.74	560.48	21.21	560.01	23.12	558.10
S-1		6.97	*	7.8		8.07	*	6.4	*	6.45		7.68		5.84		5.99		6		7.56		7.32		6.86		5.75		7.7		7.23		7.95		
S-2		6.20		6.51		6.61		6.28		6.07		6.38		6.01		6.10		6.14		6.4		6.08		5.37		5.59		5.83		6.29		6.92		
S-3		5.96		6.28		6.39		5.88		5.63		6.03		5.75		5.94		6.1		6.47		6.01		4.51		4.8		5.23		5.78		6.7		
S-4		5.65		5.57		5.68		5.1		4.56		4.79		4.92		5.28		5.89		5.79		5.63		5.51		3.02		3.42		4.7		6.61		

Note: NA - Not accessible

* - Product thickness in sump S-1.

11/21/97 - 0.5-inches 1/6/98 - 0.125-inche 4/1/98 - 0.125-inches 6/25/98 - 0.125-inches 9/28/98 - 0.125 inches
12/5/97 - 0.4-inches 2/2/98 - 0.125-inche 4/27/98 - 0.125-inches 7/31/98 - 0.125 inches 10/21/98 - sheen
12/24/97 - 0.125 -inches 2/16/98 - 0.125-inche 5/27/98 - 0.063- inches 8/27/98 - sheen 11/23/98 - 0.125 inches
2/22/99 - 0.125 inches 3/29/99 - 0.125 inches 5/28/99 - 0.25- inches

Table 1
Ground Water Elevations
Cherry Farm /River Road Site
Tonawanda, NY

	TOC	1/28/99		2/22/99		3/23/99		4/19/99		5/28/99		6/25/99
Well	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation	DTW	Elevation
MW-1	577.63	12.33	565.35	12.65	565.03	12.32	565.36	12.17	565.51	12.08	565.60	12.46	565.20
MW-2	576.76	13.75	563.01	13.69	562.87	13.75	563.01	13.56	563.20	13.43	563.33	13.61	562.95
MW-3	571.16	6.46	564.70	6.69	564.47	6.50	564.66	5.97	565.19	6.12	565.04	6.46	564.70
MW-4	583.83	19.07	564.76	19.12	564.71	18.84	564.99	18.71	565.12	18.58	565.25	18.92	564.91
MW-5	584.14	19.71	564.43	19.79	564.35	19.61	564.53	19.50	564.64	19.27	564.87	19.51	564.63
MW-6	585.70	21.65	564.05	21.68	564.02	21.58	564.12	21.37	564.33	21.34	564.36	21.32	564.38
MW-7	586.40	21.73	564.67	21.76	564.64	21.74	564.66	21.61	564.79	21.64	564.76	21.78	564.62
OW-1	573.83	9.39	564.44	9.56	564.27	9.36	564.47	8.89	564.94	8.91	564.92	9.12	564.71
OW-2	584.14	16.21	567.93	16.35	567.79	16.03	568.11	16.43	567.71	16.33	567.81	16.42	567.72
OW-3	576.25	11.25	565.00	11.29	564.96	11.27	564.98	11.26	564.99	11.15	565.10	11.48	564.77
OW-4	572.21	7.29	564.92	7.34	564.87	7.28	564.93	7.24	564.97	7.13	565.08	7.45	564.76
OW-5	584.16	17.8	566.36	18.08	566.08	17.95	566.21	18.17	565.99	18.22	565.94	18.13	566.03
OW-6	572.12	6.51	565.61	6.63	565.49	6.67	565.45	6.77	565.35	6.78	565.34	7.06	565.06
OW-7	574.84	9.23	565.61	9.42	565.42	9.53	565.31	9.61	565.23	9.49	565.35	9.99	564.85
OW-8	571.31	6.16	565.15	6.26	565.05	6.36	564.95	6.32	564.99	6.31	565.00	6.61	564.70
OW-9	588.32	NA	NA	NA	NA	NA	NA	21.64	566.68	21.75	566.57	21.94	566.39
RW-1	591.82	35.55	546.27	34.91	546.91	30.40	551.42	16.65	564.97	25.80	556.02	17.24	564.53
RW-2	591.82	26.32	565.50	25.81	566.01	25.70	566.12	25.40	566.42	25.65	566.17	25.40	566.42
RW-3	592.30	26.43	565.87	26.71	565.59	26.51	565.79	26.67	565.63	26.51	565.79	26.52	565.78
RW-4	591.83	25.25	566.58	24.91	566.92	25.21	566.62	25.31	566.52	24.66	567.17	17.12	564.71
RW-5	582.05	25.68	566.37	37.84	544.21	37.57	544.48	37.68	544.37	26.03	566.02	37.85	544.20
RW-6	570.76	6.32	564.44	6.29	564.47	14.50	556.26	15.40	555.36	15.48	555.28	6.27	564.49
RW-7	570.67	14.95	555.72	14.9	555.77	14.07	556.60	14.96	555.71	NA	NA	14.83	555.84
RW-8	583.83	26.57	557.26	26.11	557.72	26.62	557.21	26.90	556.93	26.27	557.56	19.29	564.54
RW-9	583.86	27.65	556.21	27.78	556.08	27.17	556.69	27.55	556.31	NA	NA	19.32	564.54
RW-10	583.28	23.11	560.17	23.03	560.25	23.56	559.72	23.45	559.83	23.36	559.92	23.33	559.95
RW-11	581.22	22.77	558.45	22.86	558.36	23.23	557.99	22.95	558.27	22.97	558.25	22.77	558.45
S-1		7.63		7.61	*	7.76	*	7.71	*	7.62	*	7.59	*
S-2		6.77		6.9		6.78		6.77		6.65		7.01	
S-3		6.41		8.34		6.53		6.61		6.60		6.91	
S-4		5.97		6.13		6.28		6.32		6.39		6.96	