
200 915063 LTM

O'BRIEN & GERE
ENGINEERS, INC.

February 16, 2000

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

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

File: 1163/25476 #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 by O'Brien & Gere in accordance with the Scope of Work for Post-Remedial Construction Ground Water and Surface Water Monitoring (SOW) developed by Parsons Engineering Science dated September 1997. In addition, the NYSDEC was on-site to observe sample collection and to split samples at selected locations.

GROUND WATER QUALITY MONITORING

Ground water monitoring wells and ground water collection trench sumps were sampled between November 8 and November 10, 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)	S-4
	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.

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) duplicate, and trip blanks were also collected and analyzed per the SOW. Chain-of-custody forms are included in Attachment 1.

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... and offices in major U.S. cities

WATER LEVEL MONITORING

Ground water levels were measured on June 25, July 29, August 27, September 27, October 25, and November 8, 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 ft from the top of each well casing using an electric water level indicator. Water level measurements are presented in Table 1. Light non-aqueous phase liquid (LNAPL) was observed in sump S-1 during four of the six monitoring events at a thickness ranging from approximately 1/8 to 1/4 inch.

GROUND WATER ANALYTICAL RESULTS

Analytical data for the November 1999 semiannual monitoring event is presented on tables included in Attachment 2. A summary of the detected compounds is presented in Table 2. In addition, the NYSDEC was on-site and collected duplicate samples from MW-1, MW-7, and sump S-1. The NYSDEC data is included in the tables and attachments, and compared favorably to the data generated by O'Brien & Gere Laboratories. Concentrations of detected constituents were compared to New York State Class GA Water Quality Guidance Values/Standards. Those compounds which exceed guidance values/standards are flagged with a "y".

Inorganic

Concentrations of inorganic constituents which exceed guidance values/standards are summarized below.

Location	Inorganic Constituent
MW-1	Arsenic, Iron, Magnesium, and Sodium
MW-1 (NYSDEC)	Arsenic, Iron, Magnesium, and Sodium
MW-2	Arsenic, Chromium, Iron, Lead, Magnesium, Manganese, and Sodium
MW-3	Iron, Manganese, Magnesium, and Sodium
MW-4	Iron
MW-5	Iron and Sodium
MW-6	Iron, Manganese, and Sodium
MW-7	Iron and Sodium
MW-7 (NYSDEC)	Iron and Sodium
S-1	Iron, Manganese, and Sodium
S-1 (NYSDEC)	Iron, Manganese, and Sodium
S-2	Antimony and Sodium
S-3	Antimony and Sodium
S-4	Iron and Sodium

Volatile organic compounds

Concentrations of VOC constituents in well MW-5 exceeded guidance values/standards as summarized below. No VOCs were detected above guidance values/standards at the remaining wells.

Location	Volatile Organic Constituent
MW-5	Ethylbenzene and xylene

Semivolatile organic compounds
As noted in Table 2, SVOC constituents were detected at concentrations which exceed guidance values/standards at sumps S-1, S-2, and S-3. At sump S-1, numerous polycyclic aromatic hydrocarbons (PAHs) were detected at concentrations that exceeded guidance values/standards. Sumps S-2 and S-3 contained 2-methylphenol and 4-methylphenol at concentrations that slighty exceed guidance values/standards. In addition at sump S-3, naphthalene was detected at a concentration slightly greater than the guidance values/standards.

At sump S-1, the NYSDEC collected a sample of the LNAPL. The laboratory results indicate the LNAPL contains numerous PAHs.

Pesticide/PCBs
Pesticides/PCBs were detected at concentrations that exceed guidance values/standards at one of the eleven sample locations. At sump S-1, 4,4'-DDE was detected in the sample analyzed by O'Brien & Gere Laboratories but was not detected in the sample analyzed by the NYSDEC. This difference is due to the higher detection limits utilized by the NYSDEC. In addition Aroclor 1248 and Aroclor 1260 were detected at sump S-1 at concentrations above guidance values/standards in both the ground water sample and the LNAPL sample.

SURFACE WATER QUALITY MONITORING
One surface water sample (surface sample location #3) was collected on November 9, 1999 from the northern most 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, TCL pesticide\PCBs, and TAL inorganic parameters. In addition, an equipment blank was collected and analyzed for those same parameters. The surface water sampling log is included in Attachment 1.

SURFACE WATER ANALYTICAL DATA
Data for the November 1999 semiannual monitoring event is presented on tables included in Attachment 3. One sample was collected from surface water location SW-3. The NYSDEC also collected a sample, designated as SW-1, at this location. A summary of the detected compounds is presented in Table 3. Concentrations of detected constituents were compared to New York State Class A-S Water Quality Standards/Guidance Values. Those compounds that exceed NYS Class A-S Guidance Values/Standards are flagged with a "y".

Inorganic Data
Analytical results from O'Brien & Gere Laboratories indicate iron, magnesium, sodium, and vanadium were detected at concentrations above guidance values/standards. The analytical results from the NYSDEC indicate that magnesium and sodium were above guidance values/standards. Overall, the analytical results from both laboratories are similar.

Volatile Organic Compounds
The results indicate that no VOCs were detected. The analytical results received from the NYSDEC are consistent with the laboratory data from O'Brien & Gere Laboratories.

Semivolatile Organic Compounds
The results indicate that no SVOCs were detected. The analytical results received from the NYSDEC are consistent with the laboratory data from O'Brien & Gere Laboratories

Pesticides/PCBs
Laboratory data from the NYSDEC indicted that no pesticides were detected. However, since O'Brien & Gere Laboratories achieved lower detection limits, low concentrations of some pesticides were noted. The concentrations are below guidance values/standards

Laboratory QA/QC
Samples 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 4.

The laboratory data from the NYSDEC is included in Attachment 4.

SCHEDULE
Ground water elevation monitoring events are scheduled to occur on a monthly basis through September 2000 in accordance with our current Purchase Order. The next round of sampling has tentatively been scheduled for early May 2000

Should you have any questions regarding this report, please contact Peter Bogardus or me at 315-437-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

James R. Heckathorne, P.E.
Vice President

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Attachments

cc: Mark Raybuck P.G. (Parsons Engineering Science)
Brian Sidowski (NYSDEC-Buffalo)

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

Well	TOC Elevation	DTW	11/21/97 Elevation	DTW	12/5/97 Elevation	DTW	12/24/97 Elevation	DTW	1/6/98 Elevation	DTW	2/2/98 Elevation	DTW	2/18/98 Elevation	DTW	4/1/98 Elevation	DTW	4/27/98 Elevation	DTW	5/27/98 Elevation	DTW	6/25/98 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
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	18.87	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	18.65	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	20.38	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	21.05	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	7.98	565.85	8.08	565.75	8.25	565.58	8.23	565.60	8.41	565.42	8.3	565.53	8.38	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	15.80	568.34	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	11.38	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	566.05	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	6.03	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-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	8.95	565.89	7.62	567.22	6.4	568.44	7.25	567.59	8.07	566.77	9.62	565.22
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	21.08	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	NA	NA	NA	NA	17.43	570.89	18.63	569.69	20.08	568.24	NA	NA
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	21.28	560.54	21.08	560.74	21.85	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	22.68	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	38.32	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	21.95	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	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	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	566.15	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	23.26	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	20.58	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		5.88		6.29		6.92	
S-3		5.96		6.28		6.33		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		5.83		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 2/18/98 - 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 8/27/99 - 0.125 inches 9/27/99 - 0.125 inches 11/8/99 -0.250 inches

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

	TOC	1/28/99		2/22/99		3/29/99		4/19/99		5/28/99		6/25/99		7/29/99		8/27/99		9/27/99		10/25/99	11/8/99		12/22/99		1/27/00	
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
MW-1	577.68	12.33	565.35	12.65	565.03	12.32	565.36	12.17	565.51	12.08	565.60	12.48	565.20	12.21	565.47	12.20	565.48	12.41	565.27	12.22	565.46	12.73	564.95	12.55	565.13	11.66	566.02
MW-2	576.76	13.75	563.01	13.89	562.87	13.75	563.01	13.56	563.20	13.43	563.33	13.81	562.95	13.40	563.36	13.45	563.31	13.71	563.05	13.55	563.21	14.22	562.54	13.99	562.77	12.91	563.85
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	6.25	564.91	6.16	565.00	6.78	564.38	6.12	565.04	6.54	564.62	6.40	564.76	5.51	565.65
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	18.72	565.11	18.56	565.27	18.72	565.11	18.59	565.24	19.09	564.74	19.27	564.56	19.17	564.66
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	19.30	564.84	19.24	564.90	19.39	564.75	19.24	564.90	19.96	564.18	19.83	564.31	19.52	564.62
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	20.90	564.80	21.02	564.68	21.25	564.45	21.24	564.46	21.95	563.75	21.53	564.17	21.10	564.60
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	21.51	564.89	21.52	564.88	21.73	564.67	21.65	564.75	22.02	564.38	21.79	564.61	21.70	564.70
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	8.61	565.22	8.78	565.05	9.30	564.53	9.01	564.82	9.58	564.25	9.40	564.43	8.45	565.38
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	16.23	567.91	16.36	567.78	16.40	567.74	16.57	567.57	16.59	567.55	16.48	567.66	15.81	568.33
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	11.29	564.96	11.34	564.91	11.35	564.90	11.33	564.92	11.37	564.88	11.33	564.92	11.20	565.05
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	7.17	565.04	7.26	564.95	7.39	564.82	7.26	564.95	7.45	564.76	7.38	564.83	7.21	565.00
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	18.18	565.98	18.24	565.92	18.43	565.73	18.45	565.71	18.51	565.65	18.58	565.58	18.47	565.69
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	6.91	565.21	6.96	565.16	7.04	565.08	6.94	565.18	6.89	565.23	6.88	565.24	6.57	565.55
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	9.73	565.11	9.81	565.03	9.90	564.94	9.96	564.88	9.93	564.91	9.78	565.06	9.61	565.23
OW-8	571.31	6.16	565.15	6.26	565.05	6.36	564.95	6.32	564.99	6.31	565.00	6.81	564.50	6.40	564.91	6.45	564.86	6.63	564.68	6.76	564.55	6.81	564.50	6.67	564.64	6.33	564.98
OW-9	588.32	NA	NA	NA	NA	NA	NA	21.64	566.68	21.75	566.57	21.94	566.38	22.02	566.30	21.97	566.35	22.11	566.21	21.88	566.44	21.67	566.65	21.72	566.60	21.62	566.70
RW-1	581.82	35.55	546.27	34.91	546.91	30.40	551.42	16.85	564.97	25.80	556.02	17.24	564.58	16.81	565.01	25.90	555.92	26.35	555.47	NA	--	17.48	564.34	17.35	564.47	17.66	564.16
RW-2	581.82	26.32	555.50	25.81	556.01	25.70	556.12	25.40	556.42	25.65	556.17	25.40	556.42	26.40	555.42	25.51	556.31	17.08	564.74	17.10	564.72	25.51	556.31	36.32	545.50	36.30	545.52
RW-3	582.30	26.43	555.87	26.71	555.59	26.51	555.79	26.67	555.63	26.51	555.79	26.52	555.78	36.58	545.72	17.19	565.11	17.35	564.95	27.25	555.05	27.25	555.05	37.21	545.09	37.10	545.20
RW-4	581.83	25.25	556.58	24.91	556.92	25.21	556.62	25.31	556.52	24.66	557.17	17.12	564.71	21.63	560.20	22.82	559.01	22.45	559.38	22.95	558.88	17.52	564.31	22.45	559.38	23.02	558.81
RW-5	582.05	25.68	556.37	37.84	544.21	37.57	544.48	37.68	544.37	26.03	556.02	37.85	544.20	37.71	544.34	26.54	555.51	25.96	556.09	17.31	564.74	35.95	546.10	25.75	556.30	25.31	556.74
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	15.26	555.50	15.31	555.45	14.94	555.82	15.19	555.57	6.67	564.09	6.49	564.27	6.59	564.17
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	14.97	555.70	14.90	555.77	13.38	557.29	24.03	546.64	14.92	555.75	14.96	555.71	14.44	556.23
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	26.27	557.56	26.31	557.52	19.22	564.61	26.37	557.46	26.90	556.93	26.21	557.62	26.11	557.72
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	27.25	556.61	27.30	556.56	19.29	564.57	27.05	556.81	27.32	556.54	19.51	564.35	19.30	564.56
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	23.07	560.21	23.20	560.08	23.04	560.24	22.85	560.43	22.88	560.40	23.08	560.20	23.20	560.08
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	23.46	557.76	23.40	557.82	23.27	557.95	22.76	558.46	23.28	557.94	23.22	558.00	23.20	558.02
S-1		7.68		7.61	*	7.76	*	7.71	*	7.62	*	7.59	*	7.67	*	7.65	*	7.60	*	7.52	*	7.80	*	7.51	*	7.02	*
S-2		6.77		6.8		6.78		6.77		6.65		7.01		6.78		6.82		6.95		6.72		6.91		6.86		6.51	
S-3		6.41		8.34		6.53		6.61		6.60		6.91		6.73		6.82		6.79		6.71		6.74		6.73		6.59	
S-4		5.97		6.13		6.28		6.32		6.39		6.95		6.37		6.33		6.44		7.05		7.03		7.04		6.86	

O'BRIEN & GERE
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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 Split	NYSDEC Class GA GW Standards ug/L	MW-1 N4875 11/09/99 3856 ug/L Water	MW-1 993022A-01 11/09/99 A3022 ug/L Water NYSDEC	MW-2 N4874 11/08/99 3856 ug/L Water	MW-3 N5015 11/10/99 3880 ug/L Water	MW-3 dup N4880 11/10/99 3856 ug/L Water	MW-4 N5016 11/10/99 3880 ug/L Water	MW-5 N5017 11/10/99 3880 ug/L Water	MW-6 N4878 11/09/99 3856 ug/L Water
Aluminum (7429-90-5)		NS	4760	1170	23100	512	256	787	1140	253
Antimony (7440-36-0)		3	---	---	---	---	---	---	---	---
Arsenic (7440-38-2)		25	29.9 Y	26.6 Y	35.9 Y	2.6 B	---	2.5 B	7.9 B	---
Barium (7440-39-3)		1000	472	322	291	164 B	155 B	61.3 B	167 B	158 B
Beryllium (7440-41-7)		3	0.24 B	---	1.1 B	0.24 B	0.15 B	0.05 B	0.19 B	0.07 B
Cadmium (7440-43-9)		5	---	---	0.56 B	---	---	0.35 B	---	---
Calcium (7440-70-2)		NS	247000	241000	345000	151000	164000	70000	59300	167000
Chromium (7440-47-8)		50	12.6 E	---	80.2 EY	14.2 E	4.3 BE	7.2 BE	20.7 E	3.9 BE
Cobalt (7440-48-4)		NS	2.8 B	2.6 B	13.8 B	---	---	---	---	---
Copper (7440-50-8)		200	11.3 B	3.9 B	50.1	2 B	0.77 B	3.2 B	15.8 B	0.83 B
Cyanide (57-12-5)		200	---	---	---	---	---	---	33.5	---
Iron (7439-89-6)		300	16600 Y	11200 Y	42100 Y	16100 Y	19600 Y	2000 Y	16800 Y	19600 Y
Lead (7439-92-1)		25	5	---	40.8 Y	---	---	1.4 B	7.8	---
Magnesium (7439-95-4)		35000	64300 Y	66800 Y	115000 Y	38400 Y	17800	19800	15700	17800
Manganese (7439-96-5)		300	297	299	941 Y	631 Y	1470 Y	71.1	249	1470 Y
Nickel (7440-02-0)		100	11.1 BE	5.0 B	53.2 E	9.3 BE	1.6 BE	4.8 BE	9.7 BE	1.3 BE
Potassium (7440-09-7)		NS	2680 B	2530 B	7560	10200	57500	2500 B	34700	57900
Selenium (7782-49-2)		10	3.2 B	8.5	---	---	---	---	---	---
Sodium (7440-23-5)		20000	43600 EY	41800 Y	21400 EY	89200 EY	42000 EY	9540 E	101000 EY	43500 EY
Thallium (7440-28-0)		0.5	---	---	---	---	---	---	---	---
Vanadium (7440-62-2)		NS	9.2 BE	---	40.3 BE	3.7 BE	1.5 BE	1.8 BE	9.9 BE	1.4 BE
Zinc (7440-66-6)		2000	46.4	26.4	195	26.3	10.5 B	22.4	28.4	41.6

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.
E - indicates a value estimated or not reported due to the presence of interference.

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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 Split	NYSDEC Class GA GW Standards ug/L	MW-7 N4879 11/09/99 3856 ug/L Water	MW-7 993022A-04 11/09/99 A3022 ug/L Water NYSDEC	S-1 N4877 11/09/99 3856 ug/L Water	S-1 993022A-03 11/09/99 A3022 ug/L Water NYSDEC	S-2 N5019 11/10/99 3880 ug/L Water	S-3 N4873 11/08/99 3856 ug/L Water	S-4 N5018 11/10/99 3880 ug/L Water	equipment blank N5020 11/10/99 3880 ug/L Water
Aluminum (7429-90-5)		NS	711	258	859	2400	281	382	331	24.5 B
Antimony (7440-36-0)		3	---	---	---	---	3.4 BY	4.7 BY	---	---
Arsenic (7440-38-2)		25	---	---	14.1	7.4 B	3.5 B	4.4 B	5.3 B	---
Barium (7440-39-3)		1000	614	628	490	496	68.2 B	50.3 B	40.6 B	0.41 B
Beryllium (7440-41-7)		3	0.26 B	---	0.16 B	---	0.06 B	0.18 B	---	0.45 B
Cadmium (7440-43-9)		5	---	---	---	---	---	---	---	0.75 B
Calcium (7440-70-2)		NS	111000	108000	254000	185000	135000	145000	153000	49.8 B
Chromium (7440-47-8)		50	7.4 BE	---	5.1 BE	9.0 B	5 BE	---	1.6 BE	2.1 BE
Cobalt (7440-48-4)		NS	---	---	---	5.9 B	---	---	---	2.4 B
Copper (7440-50-8)		200	3.3 B	1.5 B	3 B	2.0 B	1.2 B	---	1.8 B	---
Cyanide (57-12-5)		200	---	---	---	---	27.1	25.3	108	---
Iron (7439-89-6)		300	14300 Y	13200 Y	19000 Y	25900 Y	134	75.8 B	411 Y	4.5 B
Lead (7439-92-1)		25	---	---	2.4 B	19.9	---	---	---	---
Magnesium (7439-95-4)		35000	22600	22600	13600	15400	34.7 B	60.7 B	3640 B	16.9 B
Manganese (7439-96-5)		300	170	158	3480 Y	2970 Y	1.6 B	0.39 B	88.8	---
Nickel (7440-02-0)		100	4.5 BE	---	33.5 BE	50.4	6.7 BE	2.8 BE	2.7 BE	1.4 BE
Potassium (7440-09-7)		NS	2440 B	2340 B	23000	30400	43500	48500	26300	---
Selenium (7782-49-2)		10	---	6.8	---	13.1 Y	3.4 B	5.3	5.2	---
Sodium (7440-23-5)		20000	25700 EY	23800 Y	145000 EY	112000 Y	45900 EY	46200 EY	23600 EY	69.6 BE
Thallium (7440-28-0)		0.5	---	---	---	---	---	---	---	6.5 BY
Vanadium (7440-62-2)		NS	2.2 BE	---	5.2 BE	8.2 B	34.9 BE	12.6 B	12 BE	---
Zinc (7440-66-6)		2000	18.3 B	19.5 B	149	382	3.6 B	6.3 B	5.7 B	5.4 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.
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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 Split	NYSDEC Class GA GW Standards ug/L	MW-3 N5015 11/10/99 3880 ug/L Water	MW-4 N5016 11/10/99 3880 ug/L Water	MW-5 N5017 11/10/99 3880 ug/L Water	MW-6 N4878 11/09/99 3856 ug/L Water	MW-7 N4879 11/09/99 3856 ug/L Water	S-1 N4877 11/09/99 3856 ug/L Water	S-1 A9751103 11/09/99 11090 ug/L Water NYSDEC	S-2 N5019 11/10/99 3880 ug/L Water
1,1-Dichloroethane (75-34-3)		5*	---	---	---	---	---	---	1 J	---
Acetone (67-64-1)		50	---	---	---	---	---	7 J	4 J	---
Carbon disulfide (75-15-0)		NS	6 J	45	---	6 J	8 J	---	---	1 J
Ethylbenzene (100-41-4)		5*	---	---	7 JY	---	---	---	---	---
Trichloroethene (79-01-6)		5*	---	---	---	---	---	---	---	2 J
Xylene (total) (1330-20-7)		5*	---	---	25 Y	---	---	---	---	---

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.

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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 Split	NYSDEC Class GA GW Standards ug/L	S-3 N4873 11/08/99 3856 ug/L Water
1,1-Dichloroethane (75-34-3)		5*	2 J
Acetone (67-64-1)		50	---
Carbon disulfide (75-15-0)		NS	2 J
Ethylbenzene (100-41-4)		5*	---
Trichloroethene (79-01-6)		5*	---
Xylene (total) (1330-20-7)		5*	3 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.

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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 Split	NYSDEC Class GA GW Standards ug/L	MW-4 N5016 11/10/99 3880 ug/L Water	MW-4 RE N5016RE 11/10/99 3880 ug/L Water	MW-5 N5017 11/10/99 3880 ug/L Water	MW-5 RE N5017RE 11/10/99 3880 ug/L Water	S-1 N4877 11/09/99 3856 ug/L Water	S-1 A9751103 11/09/99 11090 ug/L Water NYSDEC	S-1 NAPL A9751104 11/09/99 11090 ug/L Water NYSDEC	S-1 RE N4877RE 11/09/99 3856 ug/L Water
2,4-Dimethylphenol (105-67-9)		50	---	---	3 J	3 J	12 JD	---	---	11 JD
2-Methylnaphthalene (91-57-6)		NS	---	---	---	---	---	79 J	---	---
2-Methylphenol (95-48-7)		1	---	---	---	---	---	---	---	---
4-Methylphenol (106-44-5)		1	---	---	---	---	---	---	---	---
Acenaphthene (83-32-9)		20	---	---	---	---	55 JDY	400 JY	130000 JY	56 JDY
Acenaphthylene (208-96-8)		NS	---	---	---	---	---	---	---	---
Anthracene (120-12-7)		50	---	---	---	---	23 JD	530 Y	83000 JY	24 JD
Benzo(a)anthracene (56-55-3)		0.002	---	---	---	---	78 JDY	480 Y	160000 JY	79 JDY
Benzo[a]pyrene (50-32-8)		0.002	---	---	---	---	42 JDY	300 JY	73000 JY	44 JDY
Benzo(b)fluoranthene (205-99-2)		0.002	---	---	---	---	76 JDY	590 Y	180000 JY	74 JDY
Benzo(k)fluoranthene (207-08-9)		0.002	---	---	---	---	29 JDY	210 JY	---	29 JDY
Carbazole (86-74-8)		NS	---	---	---	---	---	---	---	---
Chrysene (218-01-9)		0.002	---	---	---	---	92 JDY	610 Y	160000 JY	92 JDY
Dibenzofuran (132-64-9)		NS	---	---	---	---	24 JD	200 J	---	24 JD
Fluoranthene (206-44-0)		50	---	---	---	---	160 DY	3300 Y	600000 JY	160 DY
Fluorene (86-73-7)		50	---	---	---	---	39 JD	300 JY	1200000 JY	39 JD
Indeno(1,2,3-cd)pyrene (193-39-5)		0.002	---	---	---	---	21 JDY	57 JY	---	22 JDY
Naphthalene (91-20-3)		10	---	---	3 J	3 J	---	---	---	---
Phenanthrene (85-01-8)		50	---	---	---	---	54 JDY	520 Y	200000 JY	59 JDY
Pyrene (129-00-0)		50	---	---	---	---	440 DY	1600 Y	570000 JY	430 DY
Bis(2-ethylhexyl)phthalate (BEHP) (117-81-7)		5	2 J	2 J	---	---	46 JDY	270 JY	82000 JY	45 JDY

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.

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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 Split	NYSDEC Class GA GW Standards ug/L	S-2 N5019 11/10/99 3880 ug/L Water	S-2 RE N5019RE 11/10/99 3880 ug/L Water	S-3 N4873 11/08/99 3856 ug/L Water	S-4 N5018 11/10/99 3880 ug/L Water
2,4-Dimethylphenol (105-67-9)		50	8 J	8 J	13	2 J
2-Methylnaphthalene (91-57-6)		NS	---	---	2 J	---
2-Methylphenol (95-48-7)		1	2 JY	2 JY	8 JY	---
4-Methylphenol (106-44-5)		1	4 JY	4 JY	20 Y	---
Acenaphthene (83-32-9)		20	1 J	1 J	2 J	1 J
Acenaphthylene (208-96-8)		NS	1 J	1 J	2 J	1 J
Anthracene (120-12-7)		50	---	---	---	---
Benzo(a)anthracene (56-55-3)		0.002	---	---	---	---
Benzo[a]pyrene (50-32-8)		0.002	---	---	---	---
Benzo(b)fluoranthene (205-99-2)		0.002	---	---	---	---
Benzo(k)fluoranthene (207-08-9)		0.002	---	---	---	---
Carbazole (86-74-8)		NS	---	---	1 J	---
Chrysene (218-01-9)		0.002	---	---	---	---
Dibenzofuran (132-64-9)		NS	---	---	---	---
Fluoranthene (206-44-0)		50	---	---	---	---
Fluorene (86-73-7)		50	1 J	1 J	2 J	1 J
Indeno(1,2,3-cd)pyrene (193-39-5)		0.002	---	---	---	---
Naphthalene (91-20-3)		10	---	---	13 Y	---
Phenanthrene (85-01-8)		50	1 J	1 J	2 J	---
Pyrene (129-00-0)		50	---	---	---	---
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.

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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 Split	NYSDEC Class GA GW Standards ug/L	MW-1 11/09/99 N4875 ug/L Water	MW-2 11/08/99 N4874 ug/L Water	MW-3 11/10/99 N5015 ug/L Water	MW-3 dup 11/10/99 N4880 ug/L Water	MW-4 11/10/99 N5016 ug/L Water	MW-5 11/10/99 N5017 ug/L Water	MW-7 11/09/99 N4879 ug/L Water	S-1 11/09/99 N4877 ug/L Water
4,4'-DDE (72-55-9)		0.2	---	---	---	---	0.0012 JP	---	---	0.24 JPY
4,4'-DDT (50-29-3)		0.2	---	---	---	---	---	0.0015 JP	---	---
Aldrin (309-00-2)		NS	---	---	---	---	---	---	---	0.038 JP
Aroclor 1248 (12672-29-6)		0.09	---	---	---	---	---	---	---	19 PY
Aroclor 1260 (11096-82-5)		0.09	---	---	---	---	---	---	---	9.2 PY
Dieldrin (60-57-1)		NS	---	---	---	---	---	0.0071 JP	---	0.25 JP
Endosulfan I (959-98-8)		NS	0.0034 BJP	---	---	---	0.0014 BJP	0.013 BJP	---	---
Endosulfan II (33213-65-9)		NS	---	---	---	---	---	---	---	---
Endosulfan sulfate (1031-07-8)		NS	---	0.002 JP	0.0018 JP	---	0.0032 JP	0.0044 JP	---	0.44 J
Endrin (72-20-8)		NS	0.0032 JP	---	---	---	---	0.0029 JP	---	---
Endrin aldehyde (7421-93-4)		5*	---	---	---	---	---	---	---	0.047 JP
Heptachlor (76-44-8)		0.04	---	---	---	---	---	0.0024 JP	---	---
Heptachlor epoxide (1024-57-3)		0.03	0.0019 J	---	---	---	---	0.0058 J	---	---
Methoxychlor (72-43-5)		35	---	---	---	---	---	---	---	0.092 JP
alpha-Chlordane (5103-71-9)		0.05	---	---	---	---	---	---	---	---
delta-BHC (319-86-8)		NS	---	---	---	---	---	---	---	0.0046 JP
gamma-BHC (Lindane) (58-89-9)		NS	0.032 J	0.037 JP	0.012 JP	---	---	0.016 JP	0.012 JP	---
gamma-Chlordane (5103-74-2)		0.05	---	---	---	0.00078 JP	---	---	---	0.0082 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.

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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 Split	NYSDEC Class GA GW Standards ug/L	S-1 A9751103 11/09/99 11090 ug/L Water NYSDEC	S-1 NAPL A9751104 11/09/99 11090 ug/L Water NYSDEC	S-1DL 11/09/99 N4877D ug/L Water	S-2 11/10/99 N5019 ug/L Water	S-3 11/08/99 N4873 ug/L Water	S-4 11/10/99 N5018 ug/L Water	equipment blank 11/10/99 N5020 ug/L Water
4,4'-DDE (72-55-9)		0.2	---	---	0.39 JPDY	---	---	0.011 JP	---
4,4'-DDT (50-29-3)		0.2	---	---	---	---	---	0.0071 JP	---
Aldrin (309-00-2)		NS	---	---	---	---	---	---	---
Aroclor 1248 (12672-29-6)		0.09	81 Y	330000 Y	35 JDY	---	---	---	---
Aroclor 1260 (11096-82-5)		0.09	32 Y	120000 Y	16 JDY	---	---	---	---
Dieldrin (60-57-1)		NS	---	---	0.48 JPD	---	---	---	0.0016 JP
Endosulfan I (959-98-8)		NS	---	---	---	0.0033 BJP	---	---	---
Endosulfan II (33213-65-9)		NS	---	---	---	0.0011 JP	0.0023 J	0.0012 JP	---
Endosulfan sulfate (1031-07-8)		NS	---	---	0.62 JPD	0.002 JP	---	---	0.0025 JP
Endrin (72-20-8)		NS	---	---	---	---	---	---	---
Endrin aldehyde (7421-93-4)		5*	---	---	---	---	---	0.0037 J	---
Heptachlor (76-44-8)		0.04	---	---	---	0.0025 JP	---	---	---
Heptachlor epoxide (1024-57-3)		0.03	---	---	---	---	---	0.0041 JP	---
Methoxychlor (72-43-5)		35	---	---	---	---	---	---	---
alpha-Chlordane (5103-71-9)		0.05	---	---	---	0.0017 JP	---	0.0049 JP	0.0068 JP
delta-BHC (319-86-8)		NS	---	---	---	---	---	---	---
gamma-BHC (Lindane) (58-89-9)		NS	---	---	---	---	---	---	0.0063 J
gamma-Chlordane (5103-74-2)		0.05	---	---	---	---	0.0032 JP	---	0.00098 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.

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O'BRIEN & GERE
ENGINEERS, INC.

Table 3
Cherry Farm
Post Construction
Surface Water
Inorganic Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix Split	NYS Class A-S Standards ug/L	SW-1 993022A-02 11/09/99 A3022 ug/L Water NYSDEC	SW-3 N4876 11/09/99 3856 ug/L Water
Aluminum (7429-90-5)		NS	315	271
Arsenic (7440-38-2)		50	8.9 B	5 B
Barium (7440-39-3)		1000	51.4 B	44.3 B
Calcium (7440-70-2)		NS	152000	153000
Chromium (7440-47-8)		50	---	5.3 BE
Copper (7440-50-8)		200	4.3 B	4 B
Iron (7439-89-6)		300	282	379 Y
Magnesium (7439-95-4)		35000	40400 Y	38700 Y
Manganese (7439-96-5)		300	39.8	18.5
Nickel (7440-02-0)		100	3.6 B	3.9 BE
Potassium (7440-09-7)		NS	46700	39200
Selenium (7782-49-2)		10	9.8	3.9 B
Sodium (7440-23-5)		20000	79400 Y	84600 EY
Vanadium (7440-62-2)		0.4	---	3.5 BEY
Zinc (7440-66-6)		2000	15.8 B	41.2

NOTES: --- - not detected, B - greater than IDL, less than CRDL, Y - exceeds NYS Class A-S Standards, NS - no standard.
E - indicates a value estimated or not reported due to the presence of interference.

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O'BRIEN & GERE
ENGINEERS, INC.

Table 3
Cherry Farm
Post Construction
Surface Water
Pesticide/PCB Detected Compound Summary

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix Split	NYS Class A-S Standards ug/L	SW-3 11/09/99 N4876 ug/L Water
4,4'-DDD (72-54-8)		0.3	0.0015 JP
Dieldrin (60-57-1)		NS	0.0064 JP
Endosulfan II (33213-65-9)		NS	0.0013 JP
Endosulfan sulfate (1031-07-8)		NS	0.0021 JP
Endrin (72-20-8)		NS	0.0018 JP
Endrin aldehyde (7421-93-4)		5*	0.0016 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 NYS Class A-S 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.

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File Number: 1163.114

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

Date 11/9/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather Clear 55°F
Well # MW-1
Evacuation Metho Dedicated Teflon Bailer
Sampling Method Dedicated Teflon Bailer

Well Information:

Depth of Well *	46.4	ft.
Depth to Water *	12.73	ft.
Length of Water Column	33.67	ft.
Volume of Water in Well	5.49	gal.(s)
3X Volume of Water in Well	16.5	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 16.5 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	0.5	14.5	6.94	1083
	5	12.4	7.09	1138
	10	13.1	7.11	1135
	16	13.1	7.17	1140

Water Sample:
Time Collected 0845

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Reddish	Color	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 11/8/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather 50°F, Clear
Well # MW-2
Evacuation Metho Dedicated Teflon Bailer
Sampling Method Dedicated Teflon Bailer

Well Information:

Depth of Well *	46.4	ft.
Depth to Water *	14.22	ft.
Length of Water Column	32.18	ft.
Volume of Water in Well	5.25	gal.(s)
3X Volume of Water in Well	15.74	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	pH Readings	Conductivity Readings uS/cm
initial	0.5	14.8	7.74	1188
	5	12.8	7.21	1056
	10	12.7	7.21	1056
	16	12.7	7.21	1074

Water Sample:
Time Collected 1630

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	BROWNISH
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: COLLECTED MS/MSD

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

Date 11/10/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather Overcast, 60°+
Well # MW-3
Evacuation Metho Stainless Steel Bailer
Sampling Method Stainless Steel Bailer

Well Information:

Depth of Well *	33.3	ft.
Depth to Water *	6.54	ft.
Length of Water Column	26.76	ft.
Volume of Water in Well	4.36	gal.(s)
3X Volume of Water in Well	13.08	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 0.5	initial 13.6	initial 7.14	initial 697
4	12.3	6.88	930
8	12.2	6.92	980
13	12.1	6.98	967

Water Sample:
Time Collected 0830

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	BRAWNISH
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 11/10/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather 60° Overcast
Well # MW-4
Evacuation Metho Stainless Steel Bailer
Sampling Method Stainless Steel Bailer

Well Information:

Depth of Well *	52	ft.
Depth to Water *	19.09	ft.
Length of Water Column	32.91	ft.
Volume of Water in Well	5.36	gal.(s)
3X Volume of Water in Well	16.09	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	pH Readings	Conductivity Readings uS/cm
initial 0.5	initial 12.1	initial 6.53	initial 425
5	11.1	7.33	422
10	11.1	7.38	422
16	11.2	7.43	436

Water Sample:
Time Collected 0950

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Lgt. Brown	Color	Lgt. Brown
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 11/10/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather 60° I Overcast
Well # MW-5
Evacuation Metho Stainless Steel Bailer
Sampling Method Stainless Steel Bailer

Well Information:

Depth of Well *	51.5	ft.
Depth to Water *	19.96	ft.
Length of Water Column	31.54	ft.
Volume of Water in Well	5.14	gal.(s)
3X Volume of Water in Well	15.42	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 15.5 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	10.00		

Water parameters:

Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial 0.5	initial 12.2	initial 7.07	initial 851
5	11.3	7.28	896
10	11.2	7.50	906
15	11.2	7.80	857

Water Sample:
Time Collected 11:00

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Brown	Color	Brown
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:
DIFFICULT TO COLLECT VOAs DUE TO SOAPY WATER

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

Date 11/9/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather Clear, 55°±
Well # MW-6
Evacuation Metho Dedicated Teflon Bailer
Sampling Method Dedicated Teflon Bailer

Well Information:

Depth of Well *	52.7	ft.
Depth to Water *	21.95	ft.
Length of Water Column	30.75	ft.
Volume of Water in Well	5.01	gal.(s)
3X Volume of Water in Well	15	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	9.99		

Water parameters:

Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial 0.5	initial 14.0	initial 7.15	initial 793
5	13.6	6.84	1014
10	13.4	6.93	989
15	13.3	6.94	996

Water Sample:
Time Collected 1210

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:
COLLECTED BLIND DUPE

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

Date 11/9/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather 55° I Clear
Well # MW-7
Evacuation Metho Stainless Steel Bailer
Sampling Method Stainless Steel Bailer

Well Information:

Depth of Well *	47.4	ft.
Depth to Water *	22.02	ft.
Length of Water Column	25.38	ft.
Volume of Water in Well	4.14	gal.(s)
3X Volume of Water in Well	12.41	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 12 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		1413 S Standard	
10.0 Standard			

Water parameters:

	Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings uS/cm
initial	0.5	14.0	6.79	582
	4	13.5	6.95	556
	8	13.4	6.99	551
	12	13.3	7.02	648

Water Sample:
Time Collected 1345

Physical Appearance at Start		Physical Appearance at Sampling	
Color	CLEAR	Color	CLEAR
Odor	NO	Odor	NO
Turbidity (> 100 NTU)	<100	Turbidity (> 100 NTU)	<100
Sheen/Free Product	NO	Sheen/Free Product	NO

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 11/9/99

Site Name Allied Chemical, Cherry Farms

Location Tonawanda, New York

Project No 22336

Personnel DEC

Weather 55°F Clear

Well # S-1

Evacuation Metho Dedicated Teflon Bailer

Sampling Method Dedicated Teflon Bailer

Well Information:

Depth of Well *	N/A	ft.
Depth to Water *	7.80	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? —

* Measurements taken from [ ] Well Casing [ ] Protective Casing [X] (Other, Specify) TOP CONCRETE VAULT

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 —
	NO READINGS TAKEN DUE TO HEAVY PRODUCT		

Water Sample:

Time Collected 1025

Physical Appearance at Start		Physical Appearance at Sampling	
Color		Color	clear/oily brown
Odor		Odor	PCB odor
Turbidity (> 100 NTU)		Turbidity (> 100 NTU)	>100
Sheen/Free Product		Sheen/Free Product	LNAPL

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 11/10/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather Light Rain 55°
Well # S-2
Evacuation Metho Stainless Steel Bailer
Sampling Method Stainless Steel Bailer

Well Information:

Depth of Well *	N/A	ft.
Depth to Water *	7.01	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? /

* Measurements taken from [ ] Well Casing [ ] Protective Casing [X] (Other, Specify) TOP OF CONC. VAULT

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 14	initial 11.54	initial 1215

Water Sample:
Time Collected 1355

Physical Appearance at Start		Physical Appearance at Sampling	
Color		Color	Clear
Odor		Odor	None
Turbidity (> 100 NTU)		Turbidity (> 100 NTU)	<100
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 11/8/99

Site Name Allied Chemical, Cherry Farms — Weather Clear, 50° ±

Location Tonawanda, New York — Well # S-3

Project No 22336 — Evacuation Metho Stainless Steel Bailer

Personnel DEC — Sampling Method Stainless Steel Bailer

Well Information:

Depth of Well *	N/A	ft.
Depth to Water *	6.74'	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: ϕ gal.(s)
Did well go dry? ____

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

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 ϕ	initial 12.9	initial 10.89	initial 870

Water Sample:
Time Collected 1450

Physical Appearance at Start		Physical Appearance at Sampling	
Color		Color	Clear
Odor		Odor	None
Turbidity (> 100 NTU)		Turbidity (> 100 NTU)	< 100
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: 11/10/99
Site Name: Allied Chemical, Cherry Farms
Location: Tonawanda, New York
Project No: 22336
Personnel: DEC

Weather: Light Rain 55°
Well #: S-4
Evacuation Metho: Stainless Steel Bailer
Sampling Method: Stainless Steel Bailer

Well Information:

Depth of Well *	N/A	ft.
Depth to Water *	6.95	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?

* 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 14.3	initial 9.03	initial 774

Water Sample:
Time Collected: 1310

Physical Appearance at Start		Physical Appearance at Sampling	
Color		Color	Clear
Odor		Odor	none
Turbidity (> 100 NTU)		Turbidity (> 100 NTU)	< 100
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 11/10/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather 55° Overcast
Well # ~~SW-9~~ SW-1
Evacuation Method —
Sampling Method —

Well Information:

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

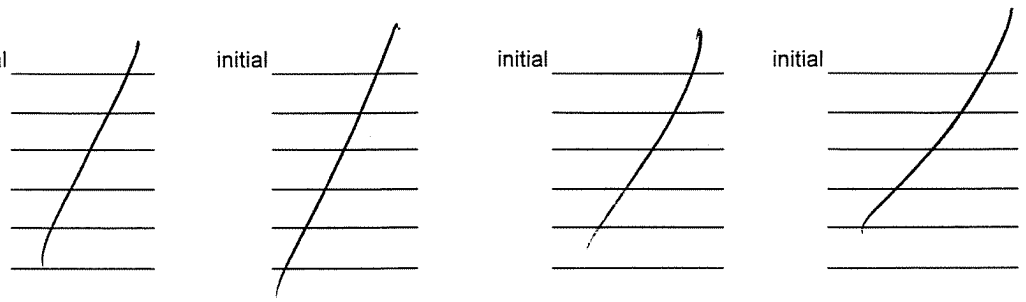
* Measurements taken from [ ] Well Casing [ ] Protective Casing [ ] (Other, Specify) ____

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:

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

Date 11/10/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather 55° Overcast
Well # SW-2
Evacuation Method —
Sampling Method —

Well Information:

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

* 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:

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

Date 11/9/99
Site Name Allied Chemical, Cherry Farms
Location Tonawanda, New York
Project No 22336
Personnel DEC

Weather Clear, 55° F
Well # ~~GW-1~~ SW-3
Evacuation Method Grab
Sampling Method Grab

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 N/A gal.(s)
Did well go dry? _____

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

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 10.2	initial 7.33	initial 1002

Water Sample:
Time Collected 0930

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	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:

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

Equipment Name	HYDAC Conductivity / Temperature / pH Meter
Model Number	OBG # 5020
Serial Number	98020798G
☐ New	Serviced ☒ As Found ☐ As Left ☐ In Tolerance ☐ Out of Tolerance

Routine Calibration Due Date: when used (last done 11/4/99)

Standards Used: Supplied pH standards

BUFFER	7	10
INITIAL -	7.00	10.00
POST -	7.18	10.16

☐ **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: Donald E. Canestrari

Date: 11/5/99

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

Equipment Name	HYDAC Conductivity/Temperature/pH Meter
Model Number	03G-5020
Serial Number	9802 07986
☐ New	Serviced ☒ As Found ☐ In Tolerance ☐ As Left ☐ Out of Tolerance

Routine Calibration Due Date: when used (Last Done 11/4/99)

Standards Used: Supplied pH Standards

	Buffer	7	10
	Initial	7.00	10.00
	Post	7.02	10.02

☐ **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: Donald E. Carestrari

Date: 11/9/99

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

Equipment Name	Hydac Conductivity / Temperature / pH Meter		
Model Number	0136 # 5020		
Serial Number	98020798 6		
☐ New	Serviced	☒ As Found ☐ As Left	☐ In Tolerance ☐ Out of Tolerance

Routine Calibration Due Date: When Used / Last Done 11/4/99

Standards Used: Supplied pH Standards

BUFFER	7	10
Initial	7.0	10.00
Post	7.08	9.80

☐ **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: Donald E. Caverstraw

Date: 11/10/99

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: D. Canestrari, Buffalo Office

Client Contact: Phone #

Sample Description

Analysis/Method

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	VOCs 95-1	SVOC 95-2	PCB/Pest 95-3	Metals	CN			Comments
S-3	11/8/99	1450	Water	Grab	7	2	2	1	1	1			Unfiltered Metals
MW-2 MS/MSD	11/8/99	1630	Water	Grab	21	6	6	3	3	3			Unfiltered Metals
MW-1	11/9/99	845	Water	Grab	7	2	2	1	1	1			"
SW-3	11/9/99	930	Water	Grab	7	2	2	1	1	1			"
S-1	11/9/99	1025	Water	Grab	7	2	2	1	1	1			"
MW-6	11/9/99	1210	Water	Grab	7	2	2	1	1	1			"
MW-7	11/9/99	1345	Water	Grab	7	2	2	1	1	1			"
Trip Blank	11/9/99		Water										*
Blind Dupe	—	—	Water	Grab	7	2	2	1	1	1			Unfiltered Metals

Relinquished by: Donald E. Canestrari	Date: 11/9/99	Time: 1535	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: 8128 3180 6007 8128 3180 5993 8128 3180 5982 8128 3180 5971		

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: D. Canestrari
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	Metals	CN			Comments
MW-3	11/10/99	830	Water	Grab	7	2	2	1	1	1			
MW-4	11/10/99	950	Water	Grab	7	2	2	1	1	1			
MW-5	11/10/99	1100	Water	Grab	7	2	2	1	1	1			
S-4	11/10/99	1310	Water	Grab	7	2	2	1	1	1			
S-2	11/10/99	1355	Water	Grab	7	2	2	1	1	1			
Equipment Blank	11/10/99	1440	Water	Grab	7	2	2	1	1	1			
Trip Blank	11/10/99		Water		1	1							

Relinquished by: Donald G. Canestrari	Date: 11/10/99	Time: 1600	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: 8128 3180 5950		

Turnaround Time Required:
Routine__________
Rush (Specify)__________

Comments:

8128 3180 5938
8128 3180 5960 Empty, Dot flop

Cooler Temperature:__________

Original-Laboratory Copy-Client

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 2
Cherry Farm
Post Construction
Ground Water Monitoring
Inorganic Data

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix Split	MW-1 N4875 11/09/99 3856 ug/L Water	MW-1 993022A-01 11/09/99 A3022 ug/L Water NYSDEC	MW-2 N4874 11/08/99 3856 ug/L Water	MW-3 N5015 11/10/99 3880 ug/L Water	MW-3 dup N4880 11/10/99 3856 ug/L Water	MW-4 N5016 11/10/99 3880 ug/L Water	MW-5 N5017 11/10/99 3880 ug/L Water	MW-6 N4878 11/09/99 3856 ug/L Water	MW-7 N4879 11/09/99 3856 ug/L Water
Aluminum (7429-90-5)		4760	1170	23100	512	256	787	1140	253	711
Antimony (7440-36-0)		2.5 U	6.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Arsenic (7440-38-2)		29.9	26.6	35.9	2.6 B	2.5 U	2.5 B	7.9 B	2.5 U	2.5 U
Barium (7440-39-3)		472	322	291	164 B	155 B	61.3 B	167 B	158 B	614
Beryllium (7440-41-7)		0.24 B	1.0 U	1.1 B	0.24 B	0.15 B	0.05 B	0.19 B	0.07 B	0.26 B
Cadmium (7440-43-9)		0.3 U	1.0 U	0.56 B	0.3 U	0.3 U	0.35 B	0.3 U	0.3 U	0.3 U
Calcium (7440-70-2)		247000	241000	345000	151000	164000	70000	59300	167000	111000
Chromium (7440-47-8)		12.6 E	2.0 U	80.2 E	14.2 E	4.3 BE	7.2 BE	20.7 E	3.9 BE	7.4 BE
Cobalt (7440-48-4)		2.8 B	2.6 B	13.8 B	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Copper (7440-50-8)		11.3 B	3.9 B	50.1	2 B	0.77 B	3.2 B	15.8 B	0.83 B	3.3 B
Cyanide (57-12-5)		10 U	---	10 U	10 U	10 U	10 U	33.5	10 U	10 U
Iron (7439-89-6)		16600	11200	42100	16100	19600	2000	16800	19600	14300
Lead (7439-92-1)		5	3.0 U	40.8	1.3 U	1.3 U	1.4 B	7.8	1.3 U	1.3 U
Magnesium (7439-95-4)		64300	66800	115000	38400	17800	19800	15700	17800	22600
Manganese (7439-96-5)		297	299	941	631	1470	71.1	249	1470	170
Mercury (7439-97-6)		0.11 U	0.10 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)		11.1 BE	5.0 B	53.2 E	9.3 BE	1.6 BE	4.8 BE	9.7 BE	1.3 BE	4.5 BE
Potassium (7440-09-7)		2680 B	2530 B	7560	10200	57500	2500 B	34700	57900	2440 B
Selenium (7782-49-2)		3.2 B	8.5	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Silver (7440-22-4)		0.78 U	1.0 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Sodium (7440-23-5)		43600 E	41800	21400 E	89200 E	42000 E	9540 E	101000 E	43500 E	25700 E
Thallium (7440-28-0)		5.1 U	10.0 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Vanadium (7440-62-2)		9.2 BE	2.0 U	40.3 BE	3.7 BE	1.5 BE	1.8 BE	9.9 BE	1.4 BE	2.2 BE
Zinc (7440-66-6)		46.4	26.4	195	26.3	10.5 B	22.4	28.4	41.6	18.3 B

NOTES: U - not detected, B - greater than IDL, less than CRDL.
E - indicates a value estimated or not reported due to the presence of interference.

Date Printed: 01/25/00 14:39:53
DBF File: N:\1163114\TEMPDATA.DBF
FXP File: N:\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 Lab ID Sample Date SDG ID Units Matrix Split	MW-7 993022A-04 11/09/99 A3022 ug/L Water NYSDEC	S-1 N4877 11/09/99 3856 ug/L Water	S-1 993022A-03 11/09/99 A3022 ug/L Water NYSDEC	S-2 N5019 11/10/99 3880 ug/L Water	S-3 N4873 11/08/99 3856 ug/L Water	S-4 N5018 11/10/99 3880 ug/L Water	equipment blank N5020 11/10/99 3880 ug/L Water
Aluminum (7429-90-5)		258	859	2400	281	382	331	24.5 B
Antimony (7440-36-0)		6.0 U	2.5 U	6.0 U	3.4 B	4.7 B	2.5 U	2.5 U
Arsenic (7440-38-2)		4.0 U	14.1	7.4 B	3.5 B	4.4 B	5.3 B	2.5 U
Barium (7440-39-3)		628	490	496	68.2 B	50.3 B	40.6 B	0.41 B
Beryllium (7440-41-7)		1.0 U	0.16 B	1.0 U	0.06 B	0.18 B	0.04 U	0.45 B
Cadmium (7440-43-9)		1.0 U	0.3 U	1.0 U	0.3 U	0.3 U	0.3 U	0.75 B
Calcium (7440-70-2)		108000	254000	185000	135000	145000	153000	49.8 B
Chromium (7440-47-8)		2.0 U	5.1 BE	9.0 B	5 BE	0.54 UE	1.6 BE	2.1 BE
Cobalt (7440-48-4)		2.0 U	1.7 U	5.9 B	1.7 U	1.7 U	1.7 U	2.4 B
Copper (7440-50-8)		1.5 B	3 B	2.0 B	1.2 B	0.54 U	1.8 B	0.54 U
Cyanide (57-12-5)		---	10 U	---	27.1	25.3	108	10 U
Iron (7439-89-6)		13200	19000	25900	134	75.8 B	411	4.5 B
Lead (7439-92-1)		3.0 U	2.4 B	19.9	1.3 U	1.3 U	1.3 U	1.3 U
Magnesium (7439-95-4)		22600	13600	15400	34.7 B	60.7 B	3640 B	16.9 B
Manganese (7439-96-5)		158	3480	2970	1.6 B	0.39 B	88.8	0.23 U
Mercury (7439-97-6)		0.10 U	0.11 U	0.10 U	0.11 U	0.11 U	0.11 U	0.11 U
Nickel (7440-02-0)		3.0 U	33.5 BE	50.4	6.7 BE	2.8 BE	2.7 BE	1.4 BE
Potassium (7440-09-7)		2340 B	23000	30400	43500	48500	26300	54.5 U
Selenium (7782-49-2)		6.8	3 U	13.1	3.4 B	5.3	5.2	3 U
Silver (7440-22-4)		1.0 U	0.78 U	1.0 U	0.78 U	0.78 U	0.78 U	0.78 U
Sodium (7440-23-5)		23800	145000 E	112000	45900 E	46200 E	23600 E	69.6 BE
Thallium (7440-28-0)		10.0 U	5.1 U	10.0 U	5.1 U	5.1 U	5.1 U	6.5 B
Vanadium (7440-62-2)		2.0 U	5.2 BE	8.2 B	34.9 BE	12.6 B	12 BE	0.8 UE
Zinc (7440-66-6)		19.5 B	149	382	3.6 B	6.3 B	5.7 B	5.4 B

NOTES: U - not detected, B - greater than IDL, less than CRDL.
E - indicates a value estimated or not reported due to the presence of interference.

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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 / Split	MW-1 N4875 11/09/99 3856 ug/L Water	MW-1 A9751101 11/09/99 11090 ug/L Water NYSDEC	MW-2 N4874 11/08/99 3856 ug/L Water	MW-3 N5015 11/10/99 3880 ug/L Water	MW-3 dup N4880 11/10/99 3856 ug/L Water	MW-4 N5016 11/10/99 3880 ug/L Water	MW-5 N5017 11/10/99 3880 ug/L Water	MW-6 N4878 11/09/99 3856 ug/L Water	MW-7 N4879 11/09/99 3856 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)		10 U	10 U	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)		10 U	10 U	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)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene (71-43-2)		10 U	10 U	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)		10 U	10 U	10 U	6 J	10 U	45	10 U	6 J	8 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	10 U	10 U	10 U	10 U	10 U	7 J	10 U	10 U
Methylene chloride (75-09-2)		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.

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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 Split	MW-1 N4875 11/09/99 3856 ug/L Water	MW-1 A9751101 11/09/99 11090 ug/L Water NYSDEC	MW-2 N4874 11/08/99 3856 ug/L Water	MW-3 N5015 11/10/99 3880 ug/L Water	MW-3 dup N4880 11/10/99 3856 ug/L Water	MW-4 N5016 11/10/99 3880 ug/L Water	MW-5 N5017 11/10/99 3880 ug/L Water	MW-6 N4878 11/09/99 3856 ug/L Water	MW-7 N4879 11/09/99 3856 ug/L 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)		10 U	10 U	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	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	10 U	10 U	25	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-1,3-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.

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ENGINEERS, INC.

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

Compound (CAS Number)	Sample ID	MW-7	S-1	S-1	S-2	S-3	S-4	equipment blank	storage blank	trip blank
	Lab ID	A9751105	N4877	A9751103	N5019	N4873	N5018	N5020	N4881	N4882
	Sample Date	11/09/99	11/09/99	11/09/99	11/10/99	11/08/99	11/10/99	11/10/99	11/10/99	11/08/99
	SDG ID	11090	3856	11090	3880	3856	3880	3880	3856	3856
	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
	Split	NYSDEC		NYSDEC						
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	1 J	10 U	2 J	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)		10 U	10 U	10 U	9 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)		10 U	7 J	4 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzene (71-43-2)		10 U	10 U	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)		10 U	10 U	10 U	1 J	2 J	10 U	10 U	10 U	10 U
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 U	10 U	10 U	10 U	10 U
Methylene chloride (75-09-2)		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.

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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 Split	MW-7 A9751105 11/09/99 11090 ug/L Water NYSDEC	S-1 N4877 11/09/99 3856 ug/L Water	S-1 A9751103 11/09/99 11090 ug/L Water NYSDEC	S-2 N5019 11/10/99 3880 ug/L Water	S-3 N4873 11/08/99 3856 ug/L Water	S-4 N5018 11/10/99 3880 ug/L Water	equipment blank N5020 11/10/99 3880 ug/L Water	storage blank N4881 11/10/99 3856 ug/L Water	trip blank N4882 11/08/99 3856 ug/L 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)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene (79-01-6)		10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U
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	3 J	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-1,3-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.

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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 Split	trip blank N5021 11/10/99 3880 ug/L Water	trip blank A9751107 11/09/99 11090 ug/L Water NYSDEC
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)		10 U	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)		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.

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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 Split	trip blank N5021 11/10/99 3880 ug/L Water	trip blank A9751107 11/09/99 11090 ug/L Water NYSDEC
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-1,3-Dichloropropylene (10061-01-5)		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.

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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 Split	MW-1 N4875 11/09/99 3856 ug/L Water	MW-1 A9751101 11/09/99 11090 ug/L Water NYSDEC	MW-2 N4874 11/08/99 3856 ug/L Water	MW-3 N5015 11/10/99 3880 ug/L Water	MW-3 RE N5015RE 11/10/99 3880 ug/L Water	MW-3 dup N4880 11/10/99 3856 ug/L Water	MW-4 N5016 11/10/99 3880 ug/L Water	MW-4 RE N5016RE 11/10/99 3880 ug/L Water	MW-5 N5017 11/10/99 3880 ug/L Water
1,2,4-Trichlorobenzene (120-82-1)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene (95-50-1)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene (541-73-1)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene (106-46-7)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroisopropyl) ether (108-60-1)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol (95-95-4)		25 U	23 U	25 U	25 U	25 U	26 U	25 U	25 U	25 U
2,4,6-Trichlorophenol (88-06-2)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol (120-83-2)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol (105-67-9)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
2,4-Dinitrophenol (51-28-5)		25 U	23 U	25 U	25 U	25 U	26 U	25 U	25 U	25 U
2,4-Dinitrotoluene (121-14-2)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene (606-20-2)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene (91-58-7)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol (95-57-8)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene (91-57-6)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (95-48-7)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline (88-74-4)		25 U	23 U	25 U	25 U	25 U	26 U	25 U	25 U	25 U
2-Nitrophenol (88-75-5)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine (91-94-1)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline (99-09-2)		25 U	23 U	25 U	25 U	25 U	26 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol (534-52-1)		25 U	23 U	25 U	25 U	25 U	26 U	25 U	25 U	25 U
4-Bromophenyl phenyl ether (101-55-3)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol (59-50-7)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline (106-47-8)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether (7005-72-3)		10 U	9 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.

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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 Split	MW-1 N4875 11/09/99 3856 ug/L Water	MW-1 A9751101 11/09/99 11090 ug/L Water NYSDEC	MW-2 N4874 11/08/99 3856 ug/L Water	MW-3 N5015 11/10/99 3880 ug/L Water	MW-3 RE N5015RE 11/10/99 3880 ug/L Water	MW-3 dup N4880 11/10/99 3856 ug/L Water	MW-4 N5016 11/10/99 3880 ug/L Water	MW-4 RE N5016RE 11/10/99 3880 ug/L Water	MW-5 N5017 11/10/99 3880 ug/L Water
4-Methylphenol (106-44-5)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline (100-01-6)		25 U	23 U	25 U	25 U	25 U	26 U	25 U	25 U	25 U
4-Nitrophenol (100-02-7)		25 U	23 U	25 U	25 U	25 U	26 U	25 U	25 U	25 U
Acenaphthene (83-32-9)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene (208-96-8)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene (120-12-7)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene (56-55-3)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene (50-32-8)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene (205-99-2)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(ghi)perylene (191-24-2)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene (207-08-9)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate (85-68-7)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole (86-74-8)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene (218-01-9)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate (84-74-2)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate (117-84-0)		---	9 U	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene (53-70-3)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran (132-64-9)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate (84-66-2)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate (131-11-3)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene (206-44-0)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene (86-73-7)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene (118-74-1)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene (87-68-3)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene (77-47-4)		10 U	9 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.

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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 Split	MW-1 N4875 11/09/99 3856 ug/L Water	MW-1 A9751101 11/09/99 11090 ug/L Water NYSDEC	MW-2 N4874 11/08/99 3856 ug/L Water	MW-3 N5015 11/10/99 3880 ug/L Water	MW-3 RE N5015RE 11/10/99 3880 ug/L Water	MW-3 dup N4880 11/10/99 3856 ug/L Water	MW-4 N5016 11/10/99 3880 ug/L Water	MW-4 RE N5016RE 11/10/99 3880 ug/L Water	MW-5 N5017 11/10/99 3880 ug/L Water
Hexachloroethane (67-72-1)		10 U	9 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	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone (78-59-1)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodipropylamine (621-64-7)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine (86-30-6)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene (91-20-3)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Nitrobenzene (98-95-3)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol (87-86-5)		25 U	23 U	25 U	25 U	25 U	26 U	25 U	25 U	25 U
Phenanthrene (85-01-8)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol (108-95-2)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene (129-00-0)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethoxy)methane (111-91-1)		10 U	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether (111-44-4)		10 U	9 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	9 U	10 U	10 U	10 U	10 U	2 J	2 J	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.

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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 Split	MW-5 RE N5017RE 11/10/99 3880 ug/L Water	MW-6 N4878 11/09/99 3856 ug/L Water	MW-7 N4879 11/09/99 3856 ug/L Water	MW-7 A9751105 11/09/99 11090 ug/L Water NYSDEC	S-1 N4877 11/09/99 3856 ug/L Water	S-1 A9751103 11/09/99 11090 ug/L Water NYSDEC	S-1 NAPL A9751104 11/09/99 11090 ug/L Water NYSDEC	S-1 RE N4877RE 11/09/99 3856 ug/L Water	S-2 N5019 11/10/99 3880 ug/L Water
1,2,4-Trichlorobenzene (120-82-1)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
1,2-Dichlorobenzene (95-50-1)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
1,3-Dichlorobenzene (541-73-1)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
1,4-Dichlorobenzene (106-46-7)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Bis(2-chloroisopropyl) ether (108-60-1)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
2,4,5-Trichlorophenol (95-95-4)		25 U	25 U	25 U	23 U	260 U	1200 U	3400000 U	260 U	25 U
2,4,6-Trichlorophenol (88-06-2)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
2,4-Dichlorophenol (120-83-2)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
2,4-Dimethylphenol (105-67-9)		3 J	10 U	10 U	9 U	12 JD	470 U	1400000 U	11 JD	8 J
2,4-Dinitrophenol (51-28-5)		25 U	25 U	25 U	23 U	260 U	1200 U	3400000 U	260 U	25 U
2,4-Dinitrotoluene (121-14-2)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
2,6-Dinitrotoluene (606-20-2)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
2-Chloronaphthalene (91-58-7)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
2-Chlorophenol (95-57-8)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
2-Methylnaphthalene (91-57-6)		10 U	10 U	10 U	9 U	100 U	79 J	1400000 U	100 U	10 U
2-Methylphenol (95-48-7)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	2 J
2-Nitroaniline (88-74-4)		25 U	25 U	25 U	23 U	260 U	1200 U	3400000 U	260 U	25 U
2-Nitrophenol (88-75-5)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
3,3-Dichlorobenzidine (91-94-1)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
3-Nitroaniline (99-09-2)		25 U	25 U	25 U	23 U	260 U	1200 U	3400000 U	260 U	25 U
4,6-Dinitro-2-methylphenol (534-52-1)		25 U	25 U	25 U	23 U	260 U	1200 U	3400000 U	260 U	25 U
4-Bromophenyl phenyl ether (101-55-3)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
4-Chloro-3-methylphenol (59-50-7)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
4-Chloroaniline (106-47-8)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
4-Chlorophenyl phenyl ether (7005-72-3)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 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.

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 Split	MW-5 RE N5017RE 11/10/99 3880 ug/L Water	MW-6 N4878 11/09/99 3856 ug/L Water	MW-7 N4879 11/09/99 3856 ug/L Water	MW-7 A9751105 11/09/99 11090 ug/L Water NYSDEC	S-1 N4877 11/09/99 3856 ug/L Water	S-1 A9751103 11/09/99 11090 ug/L Water NYSDEC	S-1 NAPL A9751104 11/09/99 11090 ug/L Water NYSDEC	S-1 RE N4877RE 11/09/99 3856 ug/L Water	S-2 N5019 11/10/99 3880 ug/L Water
4-Methylphenol (106-44-5)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	4 J
4-Nitroaniline (100-01-6)		25 U	25 U	25 U	23 U	260 U	1200 U	3400000 U	260 U	25 U
4-Nitrophenol (100-02-7)		25 U	25 U	25 U	23 U	260 U	1200 U	3400000 U	260 U	25 U
Acenaphthene (83-32-9)		10 U	10 U	10 U	9 U	55 JD	400 J	130000 J	56 JD	1 J
Acenaphthylene (208-96-8)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	1 J
Anthracene (120-12-7)		10 U	10 U	10 U	9 U	23 JD	530	83000 J	24 JD	10 U
Benzo(a)anthracene (56-55-3)		10 U	10 U	10 U	9 U	78 JD	480	160000 J	79 JD	10 U
Benzo[a]pyrene (50-32-8)		10 U	10 U	10 U	9 U	42 JD	300 J	73000 J	44 JD	10 U
Benzo(b)fluoranthene (205-99-2)		10 U	10 U	10 U	9 U	76 JD	590	180000 J	74 JD	10 U
Benzo(ghi)perylene (191-24-2)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Benzo(k)fluoranthene (207-08-9)		10 U	10 U	10 U	9 U	29 JD	210 J	1400000 U	29 JD	10 U
Butyl benzyl phthalate (85-68-7)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Carbazole (86-74-8)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Chrysene (218-01-9)		10 U	10 U	10 U	9 U	92 JD	610	160000 J	92 JD	10 U
Di-n-butyl phthalate (84-74-2)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Di-n-octyl phthalate (117-84-0)		---	---	---	9 U	---	470 U	1400000 U	---	---
Dibenzo(a,h)anthracene (53-70-3)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Dibenzofuran (132-64-9)		10 U	10 U	10 U	9 U	24 JD	200 J	1400000 U	24 JD	10 U
Diethyl phthalate (84-66-2)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Dimethyl phthalate (131-11-3)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Fluoranthene (206-44-0)		10 U	10 U	10 U	9 U	160 D	3300	600000 J	160 D	10 U
Fluorene (86-73-7)		10 U	10 U	10 U	9 U	39 JD	300 J	1200000 J	39 JD	1 J
Hexachlorobenzene (118-74-1)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Hexachlorobutadiene (87-68-3)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Hexachlorocyclopentadiene (77-47-4)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U

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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 Split	MW-5 RE N5017RE 11/10/99 3880 ug/L Water	MW-6 N4878 11/09/99 3856 ug/L Water	MW-7 N4879 11/09/99 3856 ug/L Water	MW-7 A9751105 11/09/99 11090 ug/L Water NYSDEC	S-1 N4877 11/09/99 3856 ug/L Water	S-1 A9751103 11/09/99 11090 ug/L Water NYSDEC	S-1 NAPL A9751104 11/09/99 11090 ug/L Water NYSDEC	S-1 RE N4877RE 11/09/99 3856 ug/L Water	S-2 N5019 11/10/99 3880 ug/L Water
Hexachloroethane (67-72-1)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Indeno(1,2,3-cd)pyrene (193-39-5)		10 U	10 U	10 U	9 U	21 JD	57 J	1400000 U	22 JD	10 U
Isophorone (78-59-1)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
N-Nitrosodipropylamine (621-64-7)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
N-Nitrosodiphenylamine (86-30-6)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Naphthalene (91-20-3)		3 J	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Nitrobenzene (98-95-3)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Pentachlorophenol (87-86-5)		25 U	25 U	25 U	23 U	260 U	1200 U	3400000 U	260 U	25 U
Phenanthrene (85-01-8)		10 U	10 U	10 U	9 U	54 JD	520	200000 J	59 JD	1 J
Phenol (108-95-2)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Pyrene (129-00-0)		10 U	10 U	10 U	9 U	440 D	1600	570000 J	430 D	10 U
Bis(2-chloroethoxy)methane (111-91-1)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Bis(2-chloroethyl)ether (111-44-4)		10 U	10 U	10 U	9 U	100 U	470 U	1400000 U	100 U	10 U
Bis(2-ethylhexyl)phthalate (BEHP) (117-81-7)		10 U	10 U	10 U	9 U	46 JD	270 J	82000 J	45 JD	10 U

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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 Split	S-2 RE N5019RE 11/10/99 3880 ug/L Water	S-3 N4873 11/08/99 3856 ug/L Water	S-4 N5018 11/10/99 3880 ug/L Water	equipment blank N5020 11/10/99 3880 ug/L 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)		25 U	25 U	25 U	27 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)		8 J	13	2 J	11 U
2,4-Dinitrophenol (51-28-5)		25 U	25 U	25 U	27 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	2 J	10 U	11 U
2-Methylphenol (95-48-7)		2 J	8 J	10 U	11 U
2-Nitroaniline (88-74-4)		25 U	25 U	25 U	27 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)		25 U	25 U	25 U	27 U
4,6-Dinitro-2-methylphenol (534-52-1)		25 U	25 U	25 U	27 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

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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 Split	S-2 RE N5019RE 11/10/99 3880 ug/L Water	S-3 N4873 11/08/99 3856 ug/L Water	S-4 N5018 11/10/99 3880 ug/L Water	equipment blank N5020 11/10/99 3880 ug/L Water
4-Methylphenol (106-44-5)		4 J	20	10 U	11 U
4-Nitroaniline (100-01-6)		25 U	25 U	25 U	27 U
4-Nitrophenol (100-02-7)		25 U	25 U	25 U	27 U
Acenaphthene (83-32-9)		1 J	2 J	1 J	11 U
Acenaphthylene (208-96-8)		1 J	2 J	1 J	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	1 J	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)		---	---	---	---
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)		1 J	2 J	1 J	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.

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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 Split	S-2 RE N5019RE 11/10/99 3880 ug/L Water	S-3 N4873 11/08/99 3856 ug/L Water	S-4 N5018 11/10/99 3880 ug/L Water	equipment blank N5020 11/10/99 3880 ug/L 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	13	10 U	11 U
Nitrobenzene (98-95-3)		10 U	10 U	10 U	11 U
Pentachlorophenol (87-86-5)		25 U	25 U	25 U	27 U
Phenanthrene (85-01-8)		1 J	2 J	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.

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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 Split	MW-1 11/09/99 N4875 ug/L Water	MW-1 A9751101 11/09/99 11090 ug/L Water NYSDEC	MW-2 11/08/99 N4874 ug/L Water	MW-3 11/10/99 N5015 ug/L Water	MW-3 dup 11/10/99 N4880 ug/L Water	MW-4 11/10/99 N5016 ug/L Water	MW-5 11/10/99 N5017 ug/L Water	MW-6 11/09/99 N4878 ug/L Water	MW-7 11/09/99 N4879 ug/L Water
4,4'-DDD (72-54-8)		0.1 U	0.095 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE (72-55-9)		0.1 U	0.095 U	0.1 U	0.1 U	0.1 U	0.0012 JP	0.1 U	0.1 U	0.1 U
4,4'-DDT (50-29-3)		0.1 U	0.095 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0015 JP	0.1 U	0.1 U
Aldrin (309-00-2)		0.05 U	0.048 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U	0.052 U
Aroclor 1016 (12674-11-2)		1 U	0.95 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1221 (11104-28-2)		2 U	1.9 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U
Aroclor 1232 (11141-16-5)		1 U	0.95 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1242 (53469-21-9)		1 U	0.95 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1248 (12672-29-6)		1 U	0.95 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1254 (11097-69-1)		1 U	0.95 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor 1260 (11096-82-5)		1 U	0.95 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dieldrin (60-57-1)		0.1 U	0.095 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0071 JP	0.1 U	0.1 U
Endosulfan I (959-98-8)		0.0034 BJP	0.048 U	0.05 U	0.051 U	0.051 U	0.0014 BJP	0.013 BJP	0.05 U	0.052 U
Endosulfan II (33213-65-9)		0.1 U	0.095 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate (1031-07-8)		0.1 U	0.095 U	0.002 JP	0.0018 JP	0.1 U	0.0032 JP	0.0044 JP	0.1 U	0.1 U
Endrin (72-20-8)		0.0032 JP	0.095 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0029 JP	0.1 U	0.1 U
Endrin aldehyde (7421-93-4)		0.1 U	0.095 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin ketone (53494-70-5)		0.1 U	0.095 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlor (76-44-8)		0.05 U	0.048 U	0.05 U	0.051 U	0.051 U	0.05 U	0.0024 JP	0.05 U	0.052 U
Heptachlor epoxide (1024-57-3)		0.0019 J	0.048 U	0.05 U	0.051 U	0.051 U	0.05 U	0.0058 J	0.05 U	0.052 U
Methoxychlor (72-43-5)		0.5 U	0.48 U	0.5 U	0.51 U	0.51 U	0.5 U	0.51 U	0.5 U	0.52 U
Toxaphene (8001-35-2)		5 U	4.8 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5.2 U
alpha-BHC (319-84-6)		0.05 U	0.048 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U	0.052 U
alpha-Chlordane (5103-71-9)		0.05 U	0.048 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U	0.052 U
beta-BHC (319-85-7)		0.05 U	0.048 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U	0.052 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.

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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 Split	MW-1 11/09/99 N4875 ug/L Water	MW-1 A9751101 11/09/99 11090 ug/L Water NYSDEC	MW-2 11/08/99 N4874 ug/L Water	MW-3 11/10/99 N5015 ug/L Water	MW-3 dup 11/10/99 N4880 ug/L Water	MW-4 11/10/99 N5016 ug/L Water	MW-5 11/10/99 N5017 ug/L Water	MW-6 11/09/99 N4878 ug/L Water	MW-7 11/09/99 N4879 ug/L Water
delta-BHC (319-86-8)		0.05 U	0.048 U	0.05 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U	0.052 U
gamma-BHC (Lindane) (58-89-9)		0.032 J	0.048 U	0.037 JP	0.012 JP	0.051 U	0.05 U	0.016 JP	0.05 U	0.012 JP
gamma-Chlordane (5103-74-2)		0.05 U	0.048 U	0.05 U	0.051 U	0.00078 JP	0.05 U	0.051 U	0.05 U	0.052 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.

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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 Split	MW-7 A9751105 11/09/99 11090 ug/L Water NYSDEC	S-1 11/09/99 N4877 ug/L Water	S-1 A9751103 11/09/99 11090 ug/L Water NYSDEC	S-1 NAPL A9751104 11/09/99 11090 ug/L Water NYSDEC	S-1DL 11/09/99 N4877D ug/L Water	S-2 11/10/99 N5019 ug/L Water	S-3 11/08/99 N4873 ug/L Water	S-4 11/10/99 N5018 ug/L Water	equipment blank 11/10/99 N5020 ug/L Water
4,4'-DDD (72-54-8)		0.094 U	0.51 U	0.94 U	---	5.1 U	0.1 U	0.1 U	0.1 U	0.11 U
4,4'-DDE (72-55-9)		0.094 U	0.24 JP	0.94 U	---	0.39 JPD	0.1 U	0.1 U	0.011 JP	0.11 U
4,4'-DDT (50-29-3)		0.094 U	0.51 U	0.94 U	---	5.1 U	0.1 U	0.1 U	0.0071 JP	0.11 U
Aldrin (309-00-2)		0.047 U	0.038 JP	0.47 U	---	2.5 U	0.051 U	0.05 U	0.05 U	0.053 U
Aroclor 1016 (12674-11-2)		0.94 U	5.1 U	9.4 U	50000 U	51 U	1 U	1 U	1 U	1.1 U
Aroclor 1221 (11104-28-2)		1.9 U	10 U	19 U	100000 U	100 U	2 U	2 U	2 U	2.1 U
Aroclor 1232 (11141-16-5)		0.94 U	5.1 U	9.4 U	50000 U	51 U	1 U	1 U	1 U	1.1 U
Aroclor 1242 (53469-21-9)		0.94 U	5.1 U	9.4 U	50000 U	51 U	1 U	1 U	1 U	1.1 U
Aroclor 1248 (12672-29-6)		0.94 U	19 P	81	330000	35 JD	1 U	1 U	1 U	1.1 U
Aroclor 1254 (11097-69-1)		0.94 U	5.1 U	9.4 U	50000 U	51 U	1 U	1 U	1 U	1.1 U
Aroclor 1260 (11096-82-5)		0.94 U	9.2 P	32	120000	16 JD	1 U	1 U	1 U	1.1 U
Dieldrin (60-57-1)		0.094 U	0.25 JP	0.94 U	---	0.48 JPD	0.1 U	0.1 U	0.1 U	0.0016 JP
Endosulfan I (959-98-8)		0.047 U	0.25 U	0.47 U	---	2.5 U	0.0033 BJP	0.05 U	0.05 U	0.053 U
Endosulfan II (33213-65-9)		0.094 U	0.51 U	0.94 U	---	5.1 U	0.0011 JP	0.0023 J	0.0012 JP	0.11 U
Endosulfan sulfate (1031-07-8)		0.094 U	0.44 J	0.94 U	---	0.62 JPD	0.002 JP	0.1 U	0.1 U	0.0025 JP
Endrin (72-20-8)		0.094 U	0.51 U	0.94 U	---	5.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Endrin aldehyde (7421-93-4)		0.094 U	0.047 JP	0.94 U	---	5.1 U	0.1 U	0.1 U	0.0037 J	0.11 U
Endrin ketone (53494-70-5)		0.094 U	0.51 U	0.94 U	---	5.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Heptachlor (76-44-8)		0.047 U	0.25 U	0.47 U	---	2.5 U	0.0025 JP	0.05 U	0.05 U	0.053 U
Heptachlor epoxide (1024-57-3)		0.047 U	0.25 U	0.47 U	---	2.5 U	0.051 U	0.05 U	0.0041 JP	0.053 U
Methoxychlor (72-43-5)		0.47 U	0.092 JP	4.7 U	---	25 U	0.51 U	0.5 U	0.5 U	0.53 U
Toxaphene (8001-35-2)		4.7 U	25 U	47 U	---	250 U	5.1 U	5 U	5 U	5.3 U
alpha-BHC (319-84-6)		0.047 U	0.25 U	0.47 U	---	2.5 U	0.051 U	0.05 U	0.05 U	0.053 U
alpha-Chlordane (5103-71-9)		0.047 U	0.25 U	0.47 U	---	2.5 U	0.0017 JP	0.05 U	0.0049 JP	0.0068 JP
beta-BHC (319-85-7)		0.047 U	0.25 U	0.47 U	---	2.5 U	0.051 U	0.05 U	0.05 U	0.053 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.

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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 Split	MW-7 A9751105 11/09/99 11090 ug/L Water NYSDEC	S-1 11/09/99 N4877 ug/L Water	S-1 A9751103 11/09/99 11090 ug/L Water NYSDEC	S-1 NAPL A9751104 11/09/99 11090 ug/L Water NYSDEC	S-1DL 11/09/99 N4877D ug/L Water	S-2 11/10/99 N5019 ug/L Water	S-3 11/08/99 N4873 ug/L Water	S-4 11/10/99 N5018 ug/L Water	equipment blank 11/10/99 N5020 ug/L Water
delta-BHC (319-86-8)		0.047 U	0.0046 JP	0.47 U	---	2.5 U	0.051 U	0.05 U	0.05 U	0.053 U
gamma-BHC (Lindane) (58-89-9)		0.047 U	0.25 U	0.47 U	---	2.5 U	0.051 U	0.05 U	0.05 U	0.0063 J
gamma-Chlordane (5103-74-2)		0.047 U	0.0082 JP	0.47 U	---	2.5 U	0.051 U	0.0032 JP	0.05 U	0.00098 JP

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.

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O'BRIEN & GERE
ENGINEERS, INC.

Attachment 3
Cherry Farm
Post Construction
Surface Water
Inorganic Data

Compound (CAS Number)	Sample ID	SW-1	SW-3
	Lab ID	993022A-02	N4876
	Sample Date	11/09/99	11/09/99
	SDG ID	A3022	3856
	Units	ug/L	ug/L
	Matrix	Water	Water
	Split	NYSDEC	
Aluminum (7429-90-5)		315	271
Antimony (7440-36-0)		6.0 U	2.5 U
Arsenic (7440-38-2)		8.9 B	5 B
Barium (7440-39-3)		51.4 B	44.3 B
Beryllium (7440-41-7)		1.0 U	0.04 U
Cadmium (7440-43-9)		1.0 U	0.3 U
Calcium (7440-70-2)		152000	153000
Chromium (7440-47-8)		2.0 U	5.3 BE
Cobalt (7440-48-4)		2.0 U	1.7 U
Copper (7440-50-8)		4.3 B	4 B
Cyanide (57-12-5)		---	10 U
Iron (7439-89-6)		282	379
Lead (7439-92-1)		3.0 U	1.3 U
Magnesium (7439-95-4)		40400	38700
Manganese (7439-96-5)		39.8	18.5
Mercury (7439-97-6)		0.10 U	0.11 U
Nickel (7440-02-0)		3.6 B	3.9 BE
Potassium (7440-09-7)		46700	39200
Selenium (7782-49-2)		9.8	3.9 B
Silver (7440-22-4)		1.0 U	0.78 U
Sodium (7440-23-5)		79400	84600 E
Thallium (7440-28-0)		10.0 U	5.1 U
Vanadium (7440-62-2)		2.0 U	3.5 BE
Zinc (7440-66-6)		15.8 B	41.2

NOTES: U - not detected, B - greater than IDL, less than CRDL.
E - indicates a value estimated or not reported due to the presence of interference.

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O'BRIEN & GERE
ENGINEERS, INC.

Attachment 3
Cherry Farm
Post Construction
Surface Water
Volatile Organic Compound Data

Compound (CAS Number)	Sample ID	SW-1	SW-3
	Lab ID	A9751102	N4876
	Sample Date	11/09/99	11/09/99
	SDG ID	11090	3856
	Units	ug/L	ug/L
	Matrix	Water	Water
	Split	NYSDEC	
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)		10 U	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)		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.

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O'BRIEN & GERE
ENGINEERS, INC.

Attachment 3
Cherry Farm
Post Construction
Surface Water
Volatile Organic Compound Data

Compound (CAS Number)	Sample ID	SW-1	SW-3
	Lab ID	A9751102	N4876
	Sample Date	11/09/99	11/09/99
	SDG ID	11090	3856
	Units	ug/L	ug/L
	Matrix	Water	Water
	Split	NYSDEC	
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-1,3-Dichloropropylene (10061-01-5)		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.

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File Number: 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 3
Cherry Farm
Post Construction
Surface Water
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID	SW-1	SW-3
	Lab ID	A9751102	N4876
	Sample Date	11/09/99	11/09/99
	SDG ID	11090	3856
	Units	ug/L	ug/L
	Matrix	Water	Water
	Split	NYSDEC	
1,2,4-Trichlorobenzene (120-82-1)		9 U	10 U
1,2-Dichlorobenzene (95-50-1)		9 U	10 U
1,3-Dichlorobenzene (541-73-1)		9 U	10 U
1,4-Dichlorobenzene (106-46-7)		9 U	10 U
Bis(2-chloroisopropyl) ether (108-60-1)		9 U	10 U
2,4,5-Trichlorophenol (95-95-4)		23 U	25 U
2,4,6-Trichlorophenol (88-06-2)		9 U	10 U
2,4-Dichlorophenol (120-83-2)		9 U	10 U
2,4-Dimethylphenol (105-67-9)		9 U	10 U
2,4-Dinitrophenol (51-28-5)		23 U	25 U
2,4-Dinitrotoluene (121-14-2)		9 U	10 U
2,6-Dinitrotoluene (606-20-2)		9 U	10 U
2-Chloronaphthalene (91-58-7)		9 U	10 U
2-Chlorophenol (95-57-8)		9 U	10 U
2-Methylnaphthalene (91-57-6)		9 U	10 U
2-Methylphenol (95-48-7)		9 U	10 U
2-Nitroaniline (88-74-4)		23 U	25 U
2-Nitrophenol (88-75-5)		9 U	10 U
3,3-Dichlorobenzidine (91-94-1)		9 U	10 U
3-Nitroaniline (99-09-2)		23 U	25 U
4,6-Dinitro-2-methylphenol (534-52-1)		23 U	25 U
4-Bromophenyl phenyl ether (101-55-3)		9 U	10 U
4-Chloro-3-methylphenol (59-50-7)		9 U	10 U
4-Chloroaniline (106-47-8)		9 U	10 U
4-Chlorophenyl phenyl ether (7005-72-3)		9 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.

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O'BRIEN & GERE
ENGINEERS, INC.

Attachment 3
Cherry Farm
Post Construction
Surface Water
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID	SW-1	SW-3
	Lab ID	A9751102	N4876
	Sample Date	11/09/99	11/09/99
	SDG ID	11090	3856
	Units	ug/L	ug/L
	Matrix	Water	Water
	Split	NYSDEC	
4-Methylphenol (106-44-5)		9 U	10 U
4-Nitroaniline (100-01-6)		23 U	25 U
4-Nitrophenol (100-02-7)		23 U	25 U
Acenaphthene (83-32-9)		9 U	10 U
Acenaphthylene (208-96-8)		9 U	10 U
Anthracene (120-12-7)		9 U	10 U
Benzo(a)anthracene (56-55-3)		9 U	10 U
Benzo[a]pyrene (50-32-8)		9 U	10 U
Benzo(b)fluoranthene (205-99-2)		9 U	10 U
Benzo(ghi)perylene (191-24-2)		9 U	10 U
Benzo(k)fluoranthene (207-08-9)		9 U	10 U
Butyl benzyl phthalate (85-68-7)		9 U	10 U
Carbazole (86-74-8)		9 U	10 U
Chrysene (218-01-9)		9 U	10 U
Di-n-butyl phthalate (84-74-2)		9 U	10 U
Di-n-octyl phthalate (117-84-0)		9 U	---
Dibenzo(a,h)anthracene (53-70-3)		9 U	10 U
Dibenzofuran (132-64-9)		9 U	10 U
Diethyl phthalate (84-66-2)		9 U	10 U
Dimethyl phthalate (131-11-3)		9 U	10 U
Fluoranthene (206-44-0)		9 U	10 U
Fluorene (86-73-7)		9 U	10 U
Hexachlorobenzene (118-74-1)		9 U	10 U
Hexachlorobutadiene (87-68-3)		9 U	10 U
Hexachlorocyclopentadiene (77-47-4)		9 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.

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File Number: 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 3
Cherry Farm
Post Construction
Surface Water
Semivolatile Organic Compound Data

Compound (CAS Number)	Sample ID	SW-1	SW-3
	Lab ID	A9751102	N4876
	Sample Date	11/09/99	11/09/99
	SDG ID	11090	3856
	Units	ug/L	ug/L
	Matrix	Water	Water
	Split	NYSDEC	
Hexachloroethane (67-72-1)		9 U	10 U
Indeno(1,2,3-cd)pyrene (193-39-5)		9 U	10 U
Isophorone (78-59-1)		9 U	10 U
N-Nitrosodipropylamine (621-64-7)		9 U	10 U
N-Nitrosodiphenylamine (86-30-6)		9 U	10 U
Naphthalene (91-20-3)		9 U	10 U
Nitrobenzene (98-95-3)		9 U	10 U
Pentachlorophenol (87-86-5)		23 U	25 U
Phenanthrene (85-01-8)		9 U	10 U
Phenol (108-95-2)		9 U	10 U
Pyrene (129-00-0)		9 U	10 U
Bis(2-chloroethoxy)methane (111-91-1)		9 U	10 U
Bis(2-chloroethyl)ether (111-44-4)		9 U	10 U
Bis(2-ethylhexyl)phthalate (BEHP) (117-81-7)		9 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: 01/25/00 14:36:08
DBF File: N:\1163114\TEMPDATA.DBF
FXP File: N:\1163114\TABLEPR2.FXP

File Number: 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 3
Cherry Farm
Post Construction
Surface Water
Pesticide/PCB Data

Compound (CAS Number)	Sample ID Lab ID Sample Date SDG ID Units Matrix Split	SW-1 A9751102 11/09/99 11090 ug/L Water NYSDEC	SW-3 11/09/99 N4876 ug/L Water
4,4'-DDD (72-54-8)		0.094 U	0.0015 JP
4,4'-DDE (72-55-9)		0.094 U	0.1 U
4,4'-DDT (50-29-3)		0.094 U	0.1 U
Aldrin (309-00-2)		0.047 U	0.052 U
Aroclor 1016 (12674-11-2)		0.094 U	1 U
Aroclor 1221 (11104-28-2)		1.9 U	2.1 U
Aroclor 1232 (11141-16-5)		0.94 U	1 U
Aroclor 1242 (53469-21-9)		0.94 U	1 U
Aroclor 1248 (12672-29-6)		0.94 U	1 U
Aroclor 1254 (11097-69-1)		0.94 U	1 U
Aroclor 1260 (11096-82-5)		0.94 U	1 U
Dieldrin (60-57-1)		0.094 U	0.0064 JP
Endosulfan I (959-98-8)		0.047 U	0.052 U
Endosulfan II (33213-65-9)		0.094 U	0.0013 JP
Endosulfan sulfate (1031-07-8)		0.094 U	0.0021 JP
Endrin (72-20-8)		0.094 U	0.0018 JP
Endrin aldehyde (7421-93-4)		0.094 U	0.0016 JP
Endrin ketone (53494-70-5)		0.094 U	0.1 U
Heptachlor (76-44-8)		0.047 U	0.052 U
Heptachlor epoxide (1024-57-3)		0.047 U	0.052 U
Methoxychlor (72-43-5)		0.47 U	0.52 U
Toxaphene (8001-35-2)		4.7 U	5.2 U
alpha-BHC (319-84-6)		0.047 U	0.052 U
alpha-Chlordane (5103-71-9)		0.047 U	0.052 U
beta-BHC (319-85-7)		0.047 U	0.052 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: 01/25/00 14:36:12
DBF File: N:\1163114\TEMPDATA.DBF
FXP File: N:\1163114\TABLEPR2.FXP

File Number: 1163.114

O'BRIEN & GERE
ENGINEERS, INC.

Attachment 3
Cherry Farm
Post Construction
Surface Water
Pesticide/PCB Data

Compound (CAS Number)	Sample ID	SW-1	SW-3
	Lab ID	A9751102	
	Sample Date	11/09/99	11/09/99
	SDG ID	11090	N4876
	Units	ug/L	ug/L
	Matrix	Water	Water
	Split	NYSDEC	
delta-BHC (319-86-8)		0.047 U	0.052 U
gamma-BHC (Lindane) (58-89-9)		0.047 U	0.052 U
gamma-Chlordane (5103-74-2)		0.047 U	0.052 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: 01/25/00 14:36:12
DBF File: N:\1163114\TEMPDATA.DBF
FXP File: N:\1163114\TABLEPR2.FXP

File Number: 1163.114

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from AlliedSignal, Inc., Cherry Farms located in Tonawanda, NY. New York State Department of Environmental Conservation forms are included in the Sample Data Summary Package and in the Sample Data Package.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies and proper preservation. Chain of custodies 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.

Discrepancies noted upon receipt are documented on the case file forms included in the chain of custody section. Cooler temperatures were 3° and 4°C.

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

QA/QC results are summarized in the Sample Data Summary Package and are also included in the raw data.

RAW DATA

The raw data is organized in the New York State Department of Environmental Conservation Analytical Services Protocol Superfund order of data requirements.

GC/MS Volatile Organics Case Narrative

Client:	Allied Signal
Job Number:	1163.065.517
Package #:	3856, 3880
Methodology:	ASP 95-1
Analyzed/Reviewed by (Date/Initials):	SG 12-2-99
Supervisor/Reviewed by (Date/Initials):	(W) 12-2-99
QA/QC Review (Date/Initials):	12-7-99
File Name in G/ Drive:	C:\WPWIN60\WPDOCS\V3856.NAR

GC/MS Volatile Organics

The GC/MS Volatile instruments used a J&W DB-VRX, 75 m x 0.45 mm ID capillary column and a Vocarb 3000 trap.

Holding Times and Sample Preservation

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of less than 2 except the sample MW-5 [N5017] had a pH of 7.

Laboratory Control Sample

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

MS/MSD

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

Surrogate

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

Internal Standards

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

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.

GC/MS Semivolatile Organics Case Narrative

Client: Allied Signal
Job Number: 1163.065.517
Package #: 3856,3880
Methodology: 95-2

Analyzed/Reviewed by (Date/Initials): 12.20 99

Supervisor/Reviewed by (Date/Initials): 12-20-99

QA/QC Review (Date/Initials): 12-20-99

File Name in G/ Drive: C:\WPWIN60\WPDOCS\3856SV.NAR

GC/MS 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(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
L111499W1	Hexachlorobutadiene	1
	N-nitrosodiphenylamine	3

1. The compound passed criteria in the reanalysis.
3. The LCS was reanalyzed and still did not meet criteria. Both sets of data are included.

MS/MSD/MSB

The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
MSB01	PS111499W1	all compounds	X		1
MW-2	N4874	4-Nitrophenol	X		1
		Pentachlorophenol	X		1

1. The spike recoveries for all compounds exceeded the UCL. No corrective action taken.

Client: Allied Signal
Job Number: 1163.065.517
Package: 3856,3880
Methodology 95-2

Surrogates
The following sample(s) did not meet surrogate recovery criteria:

Sample Description	Sample #	Surrogate	Corrective Action
MW-4	N5016	2-Fluorophenol	1
		Phenol-d5	1
		2-Chlorophenol-d4	1
		1,2-Dichlorobenzene-d4	1
		Nitrobenzene-d5	1
		2-Fluorobiphenyl	1
		2,4,6-Tribromophenol	1
MW-5	N5017	2-Fluorophenol	1
		Nitrobenzene-d5	1
		2-Chlorophenol-d4	1
		Terphenyl-d14	1
		2-Fluorobiphenyl	1
MW-1	N4875	2-Chlorophenol-d4	2
S-1	N4877	2-Chlorophenol-d4	1,2
MSB01	PS111499W1	Phenol-d5	3
		2-Chlorophenol-d4	3
		2-Fluorophenol	3
		1,2-Dichlorobenzene-d4	3
		Nitrobenzene-d5	3
		2-Fluorobiphenyl	3
		2,4,6-Tribromophenol	3
		Terphenyl-d14	3

1. The extract was reanalyzed with similar results.
2. Two of the three base/neutral and/or acid extractable surrogate recoveries passed acceptance criteria. Method criteria requires no corrective action.
3. All surrogate recovery excursions above the UCL. No corrective action taken.

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

Sample Description	Sample #	Internal Standard	Corrective Action
MW-3	N5015	Perylene-d12	75
MW-4	N5016	All	1
MW-4	N5016RE	Chrysene-12	75
		Perylene-d12	75
S-2	N5019	Perylene-d12	75

Client: Allied Signal
Job Number: 1163.065.517
Package: 3856,3880
Methodology 95-2

Sample Description	Sample #	Internal Standard	Corrective Action
S-1	N4877	Chrysene-12	75
S-1	N4877	Perylene-d12	75

75. The internal standard area was confirmed by reinjection of the sample extract. Both sets of data are included.

1. The sample extract was reinjected and met criteria for all internal standards except chyrsene-d12 and perylene-d12. Both sets of data included.

Calibrations

The following continuing calibration compound(s) exceeded method percent drift and/or RAF criteria:

Calibration Date	Instrument	Compound	%D	RRF	Corrective Action
12/9/99	MS#6	Pentachlorophenol	X		111

111. The method allows four compounds to fail as long as their percent difference is less than 40%.

Preparation Blanks

The preparation blank met all method criteria.

GC Semivolatile Organics Case Narrative

Client:	ALLIED SIGNAL
Job Number:	1163.065.517
Package #:	3856, 3880
Methodology	95-3
Analyzed/Reviewed by (Date/Initials):	12/17/99
Supervisor/Reviewed by (Date/Initials):	12/17/99
QA/QC Review (Date/Initials):	12/17/99
File Name in G/ Drive:	A:\ALLCHERY.NAR

Pesticide/PCBs

The GC Semivolatile instruments use 30m. x .53mm id. DB608 and 30m. x .53mm. id. DB1701 capillary columns.

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

MS/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 Tetrachloro-m-xylene (TCMX) and/or Decachlorobiphenyl (DCBP):

Sample Description	Sample #	Column	Corrective Action
S-1	N4877	Both	1
S-1DL	N4877	Both	1

1. The control limits are advisory only. No corrective action is required. [CLP ONLY!!]

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.

GC Semivolatile Organics Case Narrative - Page 2

Client:	ALLIED SIGNAL
Job Number:	1163.065.517
Package:	3856, 3880
Methodology:	95-3

Miscellaneous

The Performance Evaluation Mixture (PEM) id# P6552 was prepared at one half the method prescribed concentration. The percent difference calculations were adjusted accordingly.

Trace Metals Case Narrative

Client:	AlliedSignal, Inc.
Job Number:	1163.065.517
Package #:	3856,3880
Methodology:	ICP metals - 200.7 CLP-M*
	Mercury - 245.1 CLP-M*
	Total cyanide - 335.2 - CLP-M*

Analyzed/Reviewed by (Date/Initials): CT 12/16/99

Supervisor/Reviewed by (Date/Initials): MT 12-16-99

QA/QC Review (Date/Initials): 12-13-99

File Name in G/ Drive: C:\NARRATIV\3856AS.MET

Trace Metals

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.

Matrix Spike
All spike recovery data met method and/or project specific QC criteria.

Sample Duplicate
All sample duplicate RPD data met method and/or project specific QC criteria.

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

Sample Description	Sample #	Analyte	Corrective Action
MW-2	N4874	Chromium	1
		Nickel	1
		Sodium	1
		Vanadium	1

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

Client: AlliedSignal, Inc.
Job Number: 1163.065.517
Package #: 3856,3880
Methodology:

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
For the cyanide analysis on 11/22/99, the matrix spike sample was inadvertently spiked at a lower concentration than the method specified concentration.

SAMPLE DATA SUMMARY PACKAGE

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	WATER QUALITY
186101	A9751101	ASP95	ASP95	-	ASP95	ASP95	-
186102	A9751102	ASP95	ASP95	-	ASP95	ASP95	-
186103	A9751103	ASP95	ASP95	-	ASP95	ASP95	-
186104	A9751105	ASP95	ASP95	-	ASP95	ASP95	-

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
186101	WATER	11/09/1999	11/09/1999	-	11/17/1999
186102	WATER	11/09/1999	11/09/1999	-	11/17/1999
186103	WATER	11/09/1999	11/09/1999	-	11/17/1999
186104	WATER	11/09/1999	11/09/1999	-	11/17/1999

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
186101	WATER	11/09/1999	11/09/1999	11/13/1999	11/29/1999
186102	WATER	11/09/1999	11/09/1999	11/13/1999	11/29/1999
186103	WATER	11/09/1999	11/09/1999	11/13-19/1999	11/29-30/1999
186104	WATER	11/09/1999	11/09/1999	11/13/1999	11/29/1999

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
186101	WATER	11/09/1999	11/09/1999	11/13/1999	12/01/1999
186102	WATER	11/09/1999	11/09/1999	11/13/1999	12/01/1999
186103	NAPL	11/09/1999	11/09/1999	11/13-19/1999	12/01-02/1999
186104	WATER	11/09/1999	11/09/1999	11/13/1999	12/01/1999

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
186101	WATER	T ME	11/09/1999	-	-
186102	WATER	T ME	11/09/1999	-	-
186103	WATER	T ME	11/09/1999	-	-
186104	WATER	T ME	11/09/1999	-	-

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
186101	WATER	ASP95	SEPF	AS REQUIRED	AS REQUIRED
186102	WATER	ASP95	SEPF	AS REQUIRED	AS REQUIRED
186103	NAPL	ASP95	SONC; SEPF	AS REQUIRED	AS REQUIRED
186104	WATER	ASP95	SEPF	AS REQUIRED	AS REQUIRED

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
186101	WATER	ASP95	ASP95	AS REQUIRED	AS REQUIRED
186102	WATER	ASP95	ASP95	AS REQUIRED	AS REQUIRED
186103	WATER	ASP95	ASP95	AS REQUIRED	AS REQUIRED
186104	WATER	ASP95	ASP95	AS REQUIRED	AS REQUIRED

Committed To *Your* Success

SDG NARRATIVE

Laboratory Name:	Severn Trent Laboratories, Inc.
Laboratory Code:	STL Buffalo
Case Number:	SH999
SDG Number:	11090
Sample Identification:	186101 186102 186103 (A) 186103 (N, Sample A9751104 is a Non-aqueous Phase Liquid) 186104 TRIP BLANK

METHODOLOGY

The specific methodology employed in obtaining the enclosed analytical results is enclosed on the specific data table. The method number presented refers to the following U.S. Environmental Protection Agency reference:

- Analysis were performed in accordance with 1995 New York State Analytical protocol.

COMMENTS

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

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

VOLATILE DATA

Volatile sample and standard areas are listed on the corresponding data system printouts.

Volatile data was processed utilizing Teknivent Datasystem and Analytical Information Management System (AIMS®) software. All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

Sample TRIP BLANK was preserved to a PH less than 2; all other samples were unpreserved.

No deviations from protocol were encountered during the analytical procedures.

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SEMIVOLATILE DATA

Semivolatile sample and standard areas are listed on the corresponding data system printouts.

Semivolatile data was processed utilizing Teknivent Datasystem and Analytical Information Management System (AIMS®) software. All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

Sample 186101 exhibited surrogate recovery results below quality control limits for 2-Fluorophenol. All other surrogate recoveries for this sample were within specified limits.

Due to sample matrix, sample 186103 (A) was concentrated to a volume of 10000 ul, and analyzed at an initial dilution factor of 5. As a result, six of the surrogates were diluted out, and one of the remaining two had a percent recovery which was above quality control limits.

Sample 186103 (N) was extracted using a sample weight of 0.14 grams and analyzed at an initial dilution factor of 20 due to sample matrix. Samples 186103 (N)MS and 186103 (N)SD were analyzed at dilution factors of 20 also and exhibited poor recoveries for the spiking compounds 4-Nitrophenol, and Pentachlorophenol. Samples 186103 MS and 186103 SD exhibited a %RPD for Pentachlorophenol which was above quality control limits.

The Matrix Spike Blank, MSB42, exhibited a percent recovery for Pentachlorophenol which was slightly above quality control limits. However, the Matrix Spike Blank Duplicate, MSBD42, exhibited results within acceptable limits.

MSB44 exhibited a percent recovery for 2,4-Dinitrotoluene which was above quality control limits.

PESTICIDE/PCB DATA

Surrogates were inadvertently not added to standard ICM48BC01.

Due to the high concentration of Aroclor-1248 and Aroclor-1260, sample 186103 (A) was analyzed at an initial dilution factor of 10. As a result all surrogates were diluted out.

Due to the high concentration of Aroclor-1248 and Aroclor-1260, samples 186103(N), 186103 (N)MS and 186103 (N)SD were all analyzed at an initial dilution factor of 10. As a result, all surrogates and spiking compounds were diluted out.

METALS DATA

Metals analyses were performed by Severn Trent Laboratories, Monroe, CT. Results are enclosed in a self-contained data package.

Committed To *Your* Success

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package and electronic deliverable has been authorized by the Laboratory Manager or her designee, as verified by the following signature."

Susan L. Tinsmith
Laboratory Manager

12/29/99
Date

ORGANIC DATA COMMENT PAGE

Laboratory Name: SEVERN TRENT LABORATORIES INC.

USEPA Defined Organic Data Qualifiers:

U - Indicates compound was analyzed for but not detected.

J - Indicates an estimate value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

T - This flag is used when the analyte is found in the associated TCLP extraction blank as well as in the sample.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".

A - This flag indicates that a TIC is a suspected aldol-condensation product.

INORGANIC DATA COMMENT PAGE

Laboratory Name: SEVERN TRENT LABORATORIES, INC.

USEPA Defined Inorganic Data Qualifiers:

B	-	Indicates a value greater than or equal to the instrument detection limit, but less than the contract required detection limit.
U	-	Indicates compound was analyzed for but not detected. Report with the detection limit value (e.g., 100).
N	-	Indicates spike sample recovery is not within the control limits.
K	-	Indicates the post digestion spike recovery is not within the control limits.
*	-	Indicates duplicate analysis is not within the control limits.
S	-	Indicates value determined by the Method of Standard Addition.
+	-	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.
M	-	Indicates duplicate injection results exceeded control limits.
W	-	Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
E	-	Indicates a value estimated or not reported due to the presence of interference.

000014

ASP 95 - VOLATILES
ANALYSIS DATA SHEET

Client No.

186101

MW-1

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M2461.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/17/1999

GC Column: DB-502.2 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

ASP 95 - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000015
Client No.

186101

b Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751101

mple wt/vol: 5.00 (g/mL) ML Lab File ID: M2461.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

Moisture: not dec. _____ Date Analyzed: 11/17/1999

GC Column: DB-502.2 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 95 - VOLATILES
ANALYSIS DATA SHEET

000016 Client No.

186102

SW-1

b Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751102

mple wt/vol: 5.00 (g/mL) ML Lab File ID: M2462.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/17/1999

GC Column: DB-502.2 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

ASP 95 - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000017 Client No.

186102

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M2462.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: not dec. _____ Date Analyzed: 11/17/1999

GC Column: DB-502.2 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 95 - VOLATILES
ANALYSIS DATA SHEET

000018
Client No.

186103

S-1

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M2463.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/17/1999

GC Column: DB-502.2 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	1	J
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

ASP 95 - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.: 186103

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M2463.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

Moisture: not dec. _____ Date Analyzed: 11/17/1999

GC Column: DB-502.2 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	VIAL SEPTA BLEED	7.53	6	J

GC/MS VOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A99-7511 SDG/CASE 11090

FILE Y41412 LAB ID A9751103

DATE 11/29/99 CLIENT ID 186103

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(μg/L)
12.35	TYPE 4		360
13.58	TYPE 2		690
14.07	TYPE 1		1000
15.10	TYPE 2		420
15.22	TYPE 2		550
15.30	TYPE 2		1600
15.70	TYPE 1		3600
15.82	TYPE 1		1000
16.23	TYPE 1		450
16.68	TYPE 4		1800
16.78	TYPE 4		1400
18.27	TYPE 4		2500
22.70	TYPE 1		930
23.82	TYPE 1		1000
24.90	TYPE 1		740
25.93	TYPE 1		930

•ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2= UNKNOWN BRANCHED ALKANE
TYPE 3= UNKNOWN CYCLIC ALKANE
TYPE 4= UNKNOWN ALKANE

ASP 95 - VOLATILES
ANALYSIS DATA SHEET

000021

Client No.

186104

MW-7

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M2464.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/17/1999

GC Column: DB-502.2 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

ASP 95 - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000022
Client No.

186104

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M2464.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: not dec. _____ Date Analyzed: 11/17/1999

GC Column: DB-502.2 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

GC/MS VOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A99-7511 SDG/CASE 11090

FILE Y41410 LAB ID A9751105

DATE 11/29/99 CLIENT ID 186104

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(μg/L)
32.22	TYPE 4		1.9

•ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2= UNKNOWN BRANCHED ALKANE
TYPE 3= UNKNOWN CYCLIC ALKANE
TYPE 4= UNKNOWN ALKANE

ASP 95 - VOLATILES
ANALYSIS DATA SHEET

000024

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751107

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M2466.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/17/1999

GC Column: DB-502.2 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

ASP 95 - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000025

Client No.

TRIP BLANK

ab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

atrix: (soil/water) WATER Lab Sample ID: A9751107

ample wt/vol: 5.00 (g/mL) ML Lab File ID: M2466.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

Moisture: not dec. _____ Date Analyzed: 11/17/1999

GC Column: DB-502.2 ID: 0.25 (mm) Dilution Factor: 1.00

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

umber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

009026
Client No.

186101

MW-1

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751101

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41408.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	23	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	23	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	23	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000027

Client No.

186101

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751101

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41408.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9	U
51-28-5	2,4-Dinitrophenol	23	U
100-02-7	4-Nitrophenol	23	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
84-66-2	Diethyl phthalate	9	U
7005-72-3	4-Chlorophenyl phenyl ether	9	U
86-73-7	Fluorene	9	U
100-01-6	4-Nitroaniline	23	U
534-52-1	4,6-Dinitro-2-methylphenol	23	U
86-30-6	N-nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl phenyl ether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	23	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-butyl phthalate	9	U
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-ethylhexyl) phthalate	9	U
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
50-32-8	Benzo(a)pyrene	9	U
193-39-5	Indeno(1,2,3-cd)pyrene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
191-24-2	Benzo(ghi)perylene	9	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000028
Client No.

186101

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751101

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41408.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN	24.73	4	BJ
2.		UNKNOWN	24.81	3	BJ
3.		UNKNOWN	25.10	8	BJ
4.		UNKNOWN	27.41	5	BJ
5.		UNKNOWN	27.48	5	BJ
6.		UNKNOWN	27.80	19	BJ
7.		UNKNOWN	27.90	23	BJ
8.		UNKNOWN	29.80	6	BJ
9.		UNKNOWN	29.88	8	BJ
10.		UNKNOWN	29.96	3	BJ
11.		UNKNOWN	30.18	3	BJ
12.		UNKNOWN	30.25	3	BJ
13.		UNKNOWN	32.06	16	J
14.		UNKNOWN	32.15	12	J
15.		UNKNOWN	34.18	3	J
16.		UNKNOWN	34.28	4	J

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000029 Client No.

186102

SW-1

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751102

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41409.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	23	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	23	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	23	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000030 Client No.

186102

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751102

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41409.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9	U
51-28-5	2,4-Dinitrophenol	23	U
100-02-7	4-Nitrophenol	23	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
84-66-2	Diethyl phthalate	9	U
7005-72-3	4-Chlorophenyl phenyl ether	9	U
86-73-7	Fluorene	9	U
100-01-6	4-Nitroaniline	23	U
534-52-1	4,6-Dinitro-2-methylphenol	23	U
86-30-6	N-nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl phenyl ether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	23	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-butyl phthalate	9	U
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-ethylhexyl) phthalate	9	U
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
50-32-8	Benzo(a)pyrene	9	U
193-39-5	Indeno(1,2,3-cd)pyrene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
191-24-2	Benzo(ghi)perylene	9	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000031
Client No.

186102

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751102

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41409.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	27.43	2	BJ
2.	UNKNOWN	27.85	3	BJ
3.	UNKNOWN	30.26	7	BJ
4.	UNKNOWN	32.08	5	BJ

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000032

Client No.

186103

S-1

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751103

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41412.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	470	U
111-44-4	Bis(2-chloroethyl) ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-Di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	Bis(2-chloroethoxy) methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	79	J
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethyl phthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1200	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000033

Client No.

186103

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751103

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41412.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	400	J
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	200	J
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethyl phthalate	470	U
7005-72-3	4-Chlorophenyl phenyl ether	470	U
86-73-7	Fluorene	300	J
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-nitrosodiphenylamine	470	U
101-55-3	4-Bromophenyl phenyl ether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	520	
120-12-7	Anthracene	530	
86-74-8	Carbazole	470	U
84-74-2	Di-n-butyl phthalate	470	U
206-44-0	Fluoranthene	3300	
129-00-0	Pyrene	1600	
85-68-7	Butyl benzyl phthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)anthracene	480	
218-01-9	Chrysene	610	
117-81-7	Bis(2-ethylhexyl) phthalate	270	J
117-84-0	Di-n-octyl phthalate	470	U
205-99-2	Benzo(b)fluoranthene	590	
207-08-9	Benzo(k)fluoranthene	210	J
50-32-8	Benzo(a)pyrene	300	J
193-39-5	Indeno(1,2,3-cd)pyrene	57	J
53-70-3	Dibenzo(a,h)anthracene	470	U
191-24-2	Benzo(ghi)perylene	470	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000034

Client No.

186103

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751103

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41412.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 14 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	13.98	420	J
2.	UNKNOWN CYCLOHEXANE DER.	14.86	600	J
3.	UNKNOWN CYCLOHEXANE DER.	15.55	530	J
4.	UNKNOWN	16.16	360	J
5.	UNKNOWN	16.31	700	J
6.	UNKNOWN	16.43	1300	J
7.	UNKNOWN CYCLOHEXANE DER.	16.53	2000	J
8.	UNKNOWN	16.91	2400	J
9.	UNKNOWN	17.33	1700	J
10.	UNKNOWN	17.63	1500	J
11.	UNKNOWN	17.90	3200	J
12.	UNKNOWN	18.00	3100	J
13.	UNKNOWN PAH DER.	34.15	930	J
14.	UNKNOWN PAH DER.	34.93	420	J

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000035

Client No.

186103

S-1 NAPL

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) SOIL Lab Sample ID: A9751104

Sample wt/vol: 0.14 (g/mL) G Lab File ID: Y41415.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: 0.0 decanted: (Y/N) N Date Extracted: 11/19/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/1999

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1400000	U
111-44-4	Bis(2-chloroethyl) ether	1400000	U
95-57-8	2-Chlorophenol	1400000	U
541-73-1	1,3-Dichlorobenzene	1400000	U
106-46-7	1,4-Dichlorobenzene	1400000	U
95-50-1	1,2-Dichlorobenzene	1400000	U
95-48-7	2-Methylphenol	1400000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1400000	U
106-44-5	4-Methylphenol	1400000	U
621-64-7	N-Nitroso-Di-n-propylamine	1400000	U
67-72-1	Hexachloroethane	1400000	U
98-95-3	Nitrobenzene	1400000	U
78-59-1	Isophorone	1400000	U
88-75-5	2-Nitrophenol	1400000	U
105-67-9	2,4-Dimethylphenol	1400000	U
111-91-1	Bis(2-chloroethoxy) methane	1400000	U
120-83-2	2,4-Dichlorophenol	1400000	U
120-82-1	1,2,4-Trichlorobenzene	1400000	U
91-20-3	Naphthalene	1400000	U
106-47-8	4-Chloroaniline	1400000	U
87-68-3	Hexachlorobutadiene	1400000	U
59-50-7	4-Chloro-3-methylphenol	1400000	U
91-57-6	2-Methylnaphthalene	1400000	U
77-47-4	Hexachlorocyclopentadiene	1400000	U
88-06-2	2,4,6-Trichlorophenol	1400000	U
95-95-4	2,4,5-Trichlorophenol	3400000	U
91-58-7	2-Chloronaphthalene	1400000	U
88-74-4	2-Nitroaniline	3400000	U
131-11-3	Dimethyl phthalate	1400000	U
208-96-8	Acenaphthylene	1400000	U
606-20-2	2,6-Dinitrotoluene	1400000	U
99-09-2	3-Nitroaniline	3400000	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000036

Client No.

186103

ab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

atrix: (soil/water) SOIL Lab Sample ID: A9751104

ample wt/vol: 0.14 (g/mL) G Lab File ID: Y41415.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

Moisture: 0.0 decanted: (Y/N) N Date Extracted: 11/19/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/1999

njection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	130000	J
51-28-5	2,4-Dinitrophenol	3400000	U
100-02-7	4-Nitrophenol	3400000	U
132-64-9	Dibenzofuran	1400000	U
121-14-2	2,4-Dinitrotoluene	1400000	U
84-66-2	Diethyl phthalate	1400000	U
7005-72-3	4-Chlorophenyl phenyl ether	1400000	U
86-73-7	Fluorene	120000	J
100-01-6	4-Nitroaniline	3400000	U
534-52-1	4,6-Dinitro-2-methylphenol	3400000	U
86-30-6	N-nitrosodiphenylamine	1400000	U
101-55-3	4-Bromophenyl phenyl ether	1400000	U
118-74-1	Hexachlorobenzene	1400000	U
87-86-5	Pentachlorophenol	3400000	U
85-01-8	Phenanthrene	200000	J
120-12-7	Anthracene	83000	J
86-74-8	Carbazole	1400000	U
84-74-2	Di-n-butyl phthalate	1400000	U
206-44-0	Fluoranthene	600000	J
129-00-0	Pyrene	570000	J
85-68-7	Butyl benzyl phthalate	1400000	U
91-94-1	3,3'-Dichlorobenzidine	1400000	U
56-55-3	Benzo(a)anthracene	160000	J
218-01-9	Chrysene	160000	J
117-81-7	Bis(2-ethylhexyl) phthalate	82000	J
117-84-0	Di-n-octyl phthalate	1400000	U
205-99-2	Benzo(b)fluoranthene	180000	J
207-08-9	Benzo(k)fluoranthene	1400000	U
50-32-8	Benzo(a)pyrene	73000	J
193-39-5	Indeno(1,2,3-cd)pyrene	1400000	U
53-70-3	Dibenzo(a,h)anthracene	1400000	U
191-24-2	Benzo(ghi)perylene	1400000	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000037 Client No.

186103

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) SOIL Lab Sample ID: A9751104

Sample wt/vol: 0.14 (g/mL) G Lab File ID: Y41415.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: 0.0 decanted: (Y/N) N Date Extracted: 11/19/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/1999

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	16.81	510000	J
2. 128-37-0	BUTYLATED HYDROXYTOLUENE	17.23	440000	JN
3.	UNKNOWN CYCLOHEXANE DER.	17.98	930000	J
4.	UNKNOWN CYCLOHEXANE DER.	18.65	1700000	J
5.	UNKNOWN CYCLOHEXANE DER.	18.81	610000	J
6.	UNKNOWN	19.01	470000	J
7.	UNKNOWN CYCLOHEXANE DER.	19.43	530000	J
8.	UNKNOWN	26.33	460000	J

GC/MS VOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A99-7511 SDG/CASE 11090

FILE Y41415 LAB ID A9751104

DATE 11/30/99 CLIENT ID 186103

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(µg/Kg)
15.62	TYPE 1		890,000
16.53	TYPE 4		1,100,000
17.13	TYPE 1		2,000,000
17.78	TYPE 1		820,000
17.87	TYPE 4		840,000
18.03	TYPE 2		1,700,000
18.15	TYPE 2		640,000
18.40	TYPE 2		500,000
18.57	TYPE 1		6,300,000
19.20	TYPE 2		1,400,000
19.98	TYPE 2		4,100,000
20.47	TYPE 4		880,000
20.57	TYPE 1		470,000
21.22	TYPE 1		1,900,000
21.73	TYPE 1		580,000
22.28	TYPE 4		610,000

•ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2= UNKNOWN BRANCHED ALKANE
TYPE 3= UNKNOWN CYCLIC ALKANE
TYPE 4= UNKNOWN ALKANE

GC/MS VOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A99-7511 SDG/CASE 11090

FILE Y41415 LAB ID A9751104

DATE 11/30/99 CLIENT ID 186103

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.($\mu g/Kg$)
22.43	TYPE 1		1,100,000
23.58	TYPE 1		480,000
25.75	TYPE 4		740,000
26.07	TYPE 1		780,000
30.07	TYPE 2		690,000
30.77	TYPE 1		980,000

•ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2= UNKNOWN BRANCHED ALKANE
TYPE 3= UNKNOWN CYCLIC ALKANE
TYPE 4= UNKNOWN ALKANE

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000040
Client No.

186104

MW-7

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751105

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41410.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	23	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	23	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	23	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000041 Client No.

186104

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751105

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41410.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9	U
51-28-5	2,4-Dinitrophenol	23	U
100-02-7	4-Nitrophenol	23	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
84-66-2	Diethyl phthalate	9	U
7005-72-3	4-Chlorophenyl phenyl ether	9	U
86-73-7	Fluorene	9	U
100-01-6	4-Nitroaniline	23	U
534-52-1	4,6-Dinitro-2-methylphenol	23	U
86-30-6	N-nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl phenyl ether	9	U
118-74-1	Hexachlorobenzene	9	U
87-86-5	Pentachlorophenol	23	U
85-01-8	Phenanthrene	9	U
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-butyl phthalate	9	U
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo(a)anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis(2-ethylhexyl) phthalate	9	U
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
50-32-8	Benzo(a)pyrene	9	U
193-39-5	Indeno(1,2,3-cd)pyrene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
191-24-2	Benzo(ghi)perylene	9	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000042 Client No.

186104

Lab Name: STL Buffalo Contract: C003783

Lab Code: RECNY Case No.: SH999 SAS No.: _____ SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751105

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Y41410.RR

Level: (low/med) LOW Date Samp/Recv: 11/09/1999 11/09/1999

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/1999

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/1999

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN	27.48	4	BJ
2.		UNKNOWN	27.80	6	BJ
3.		UNKNOWN	27.90	6	BJ
4.		UNKNOWN	30.25	3	BJ
5.		UNKNOWN	32.06	4	BJ

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

000043
EPA SAMPLE NO.

186101
MW-1

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH999 SAS No.: SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751101

Sample wt/vol: 1050 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/09/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/13/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/01/99

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.048	U
319-85-7	beta-BHC	0.048	U
319-86-8	delta-BHC	0.048	U
58-89-9	gamma-BHC (Lindane)	0.048	U
76-44-8	Heptachlor	0.048	U
309-00-2	Aldrin	0.048	U
1024-57-3	Heptachlor epoxide	0.048	U
959-98-8	Endosulfan I	0.048	U
60-57-1	Dieldrin	0.095	U
72-55-9	4,4'-DDE	0.095	U
72-20-8	Endrin	0.095	U
33213-65-9	Endosulfan II	0.095	U
72-54-8	4,4'-DDD	0.095	U
1031-07-8	Endosulfan sulfate	0.095	U
50-29-3	4,4'-DDT	0.095	U
72-43-5	Methoxychlor	0.48	U
53494-70-5	Endrin ketone	0.095	U
7421-93-4	Endrin aldehyde	0.095	U
5103-71-9	alpha-Chlordane	0.048	U
5103-74-2	gamma-Chlordane	0.048	U
8001-35-2	Toxaphene	4.8	U
12674-11-2	Aroclor-1016	0.95	U
11104-28-2	Aroclor-1221	1.9	U
11141-16-5	Aroclor-1232	0.95	U
53469-21-9	Aroclor-1242	0.95	U
12672-29-6	Aroclor-1248	0.95	U
11097-69-1	Aroclor-1254	0.95	U
11096-82-5	Aroclor-1260	0.95	U

000044

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EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

186102 SW-1

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH999 SAS No.: SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751102

Sample wt/vol: 1060 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/09/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/13/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/01/99

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.047	U
319-85-7	beta-BHC	0.047	U
319-86-8	delta-BHC	0.047	U
58-89-9	gamma-BHC (Lindane)	0.047	U
76-44-8	Heptachlor	0.047	U
309-00-2	Aldrin	0.047	U
1024-57-3	Heptachlor epoxide	0.047	U
959-98-8	Endosulfan I	0.047	U
60-57-1	Dieldrin	0.094	U
72-55-9	4,4'-DDE	0.094	U
72-20-8	Endrin	0.094	U
33213-65-9	Endosulfan II	0.094	U
72-54-8	4,4'-DDD	0.094	U
1031-07-8	Endosulfan sulfate	0.094	U
50-29-3	4,4'-DDT	0.094	U
72-43-5	Methoxychlor	0.47	U
53494-70-5	Endrin ketone	0.094	U
7421-93-4	Endrin aldehyde	0.094	U
5103-71-9	alpha-Chlordane	0.047	U
5103-74-2	gamma-Chlordane	0.047	U
8001-35-2	Toxaphene	4.7	U
12674-11-2	Aroclor-1016	0.94	U
11104-28-2	Aroclor-1221	1.9	U
11141-16-5	Aroclor-1232	0.94	U
53469-21-9	Aroclor-1242	0.94	U
12672-29-6	Aroclor-1248	0.94	U
11097-69-1	Aroclor-1254	0.94	U
11096-82-5	Aroclor-1260	0.94	U

000045

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

186103

Water Phase

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH999 SAS No.: SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751103

Sample wt/vol: 1070 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/09/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/13/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/01/99

Injection Volume: 1.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.47	U
319-85-7	beta-BHC	0.47	U
319-86-8	delta-BHC	0.47	U
58-89-9	gamma-BHC (Lindane)	0.47	U
76-44-8	Heptachlor	0.47	U
309-00-2	Aldrin	0.47	U
1024-57-3	Heptachlor epoxide	0.47	U
959-98-8	Endosulfan I	0.47	U
60-57-1	Dieldrin	0.94	U
72-55-9	4,4'-DDE	0.94	U
72-20-8	Endrin	0.94	U
33213-65-9	Endosulfan II	0.94	U
72-54-8	4,4'-DDD	0.94	U
1031-07-8	Endosulfan sulfate	0.94	U
50-29-3	4,4'-DDT	0.94	U
72-43-5	Methoxychlor	4.7	U
53494-70-5	Endrin ketone	0.94	U
7421-93-4	Endrin aldehyde	0.94	U
5103-71-9	alpha-Chlordane	0.47	U
5103-74-2	gamma-Chlordane	0.47	U
8001-35-2	Toxaphene	47	U
12674-11-2	Aroclor-1016	9.4	U
11104-28-2	Aroclor-1221	19	U
11141-16-5	Aroclor-1232	9.4	U
53469-21-9	Aroclor-1242	9.4	U
12672-29-6	Aroclor-1248	81	
11097-69-1	Aroclor-1254	9.4	U
11096-82-5	Aroclor-1260	32	

000046

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EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

186103 S-1

NAPL Phase

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH999 SAS No.: SDG No.: 11090

Matrix: (soil/water) SOIL Lab Sample ID: A9751104

Sample wt/vol: 0.2 (g/mL) G Lab File ID:

% Moisture: 0 decanted: (Y/N) N Date Received: 11/09/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/19/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/02/99

Injection Volume: 1.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	50000	U
11104-28-2	Aroclor-1221	100000	U
11141-16-5	Aroclor-1232	50000	U
53469-21-9	Aroclor-1242	50000	U
12672-29-6	Aroclor-1248	330000	
11097-69-1	Aroclor-1254	50000	U
11096-82-5	Aroclor-1260	120000	

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

186104 MW-7

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH999 SAS No.: SDG No.: 11090

Matrix: (soil/water) WATER Lab Sample ID: A9751105

Sample wt/vol: 1070 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 11/09/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/13/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/01/99

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.047	U
319-85-7	beta-BHC	0.047	U
319-86-8	delta-BHC	0.047	U
58-89-9	gamma-BHC (Lindane)	0.047	U
76-44-8	Heptachlor	0.047	U
309-00-2	Aldrin	0.047	U
1024-57-3	Heptachlor epoxide	0.047	U
959-98-8	Endosulfan I	0.047	U
60-57-1	Dieldrin	0.094	U
72-55-9	4,4'-DDE	0.094	U
72-20-8	Endrin	0.094	U
33213-65-9	Endosulfan II	0.094	U
72-54-8	4,4'-DDD	0.094	U
1031-07-8	Endosulfan sulfate	0.094	U
50-29-3	4,4'-DDT	0.094	U
72-43-5	Methoxychlor	0.47	U
53494-70-5	Endrin ketone	0.094	U
7421-93-4	Endrin aldehyde	0.094	U
5103-71-9	alpha-Chlordane	0.047	U
5103-74-2	gamma-Chlordane	0.047	U
8001-35-2	Toxaphene	4.7	U
12674-11-2	Aroclor-1016	0.94	U
11104-28-2	Aroclor-1221	1.9	U
11141-16-5	Aroclor-1232	0.94	U
53469-21-9	Aroclor-1242	0.94	U
12672-29-6	Aroclor-1248	0.94	U
11097-69-1	Aroclor-1254	0.94	U
11096-82-5	Aroclor-1260	0.94	U

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

186101 MW-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 3022A SAS No.: _____ SDG No.: A3022

Matrix (soil/water): WATER Lab Sample ID: 993022A-01

Level (low/med): LOW Date Received: 11/11/99

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1170			P
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	26.6			P
7440-39-3	Barium	322.			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	241000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	3.9	B		P
7439-89-6	Iron	11200			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	66800			P
7439-96-5	Manganese	299.			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.0	B		P
7440-09-7	Potassium	2530	B		P
7782-49-2	Selenium	8.5			P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	41800			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	26.4			P
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

186102

SW-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 3022A SAS No.: _____ SDG No.: A3022

Matrix (soil/water): WATER Lab Sample ID: 993022A-02

Level (low/med): LOW Date Received: 11/11/99

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	315.			P
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	8.9	B		P
7440-39-3	Barium	51.4	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	152000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.3	B		P
7439-89-6	Iron	282.			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	40400			P
7439-96-5	Manganese	39.8			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.6	B		P
7440-09-7	Potassium	46700			P
7782-49-2	Selenium	9.8			P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	79400			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	15.8	B		P
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

186103 S-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 3022A SAS No.: _____ SDG No.: A3022

Matrix (soil/water): WATER Lab Sample ID: 993022A-03

Level (low/med): LOW Date Received: 11/11/99

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2400			P
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	7.4	B		P
7440-39-3	Barium	496.			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	185000			P
7440-47-3	Chromium	9.0	B		P
7440-48-4	Cobalt	5.9	B		P
7440-50-8	Copper	2.0	B		P
7439-89-6	Iron	25900			P
7439-92-1	Lead	19.9			P
7439-95-4	Magnesium	15400			P
7439-96-5	Manganese	2970			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	50.4			P
7440-09-7	Potassium	30400			P
7782-49-2	Selenium	13.1			P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	112000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	8.2	B		P
7440-66-6	Zinc	382.			P
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

186104

MW-7

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 3022A SAS No.: _____ SDG No.: A3022

Matrix (soil/water): WATER Lab Sample ID: 993022A-04

Level (low/med): LOW Date Received: 11/11/99

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	258.			P
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	628.			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	108000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	1.5	B		P
7439-89-6	Iron	13200			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	22600			P
7439-96-5	Manganese	158.			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	2340	B		P
7782-49-2	Selenium	6.8			P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	23800			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	19.5	B		P
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: