REPORT

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Quarterly Ground Water Sampling Event Winter 2002

Sullivan's Ledge Superfund Site
New Bedford, Massachusetts

April 2003

O'BRIEN & GERE ENGINEERS, INC.

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Vice President

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O'BRIEN & GERE
ENGINEERS, INC.

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1. Introduction

1.1. Purpose and objective

The Winter 2002 round of ground water monitoring was conducted at Operable Unit 1 of the Sullivan's Ledge Superfund Site from December 4, 2002 thru December 17, 2002. Assisting O'Brien & Gere Engineers, Inc. (O'Brien & Gere) with this program was Mabbett & Associates, Inc. (M&A) and Alpha Analytical Labs. M&A provided field sampling services and related consultation while Alpha provided analytical services. Sampling and analyses were conducted in accordance with the Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) (O'Brien & Gere, January 2000), and the ground water sampling plan submitted to USEPA on February 11, 2002 as modified by a letter to USEPA dated June 5, 2002. The scope of this sampling event was also summarized in a November 13, 2002 letter to USEPA. A copy of the aforementioned correspondence is included in Appendix A.

1.2. Deviations from field sampling plan (FSP)

The following deviations from the FSP were made during the Winter 2002 sampling event:

- Recovery well OBG-3 was not in operation during the Winter 2002 sampling event, and therefore was not sampled. Groundwater treatment plant operators reported that recovery well OBG-3 had been malfunctioning, possibly due to a blockage in the piping.

- Overburden monitoring well MW-22A was dry at the time of the sampling event therefore could not be sampled.

- Turbidity at monitoring wells MW-6A, MW-8, MW-8A, MW-10 and MW-10B, MW-12AR, MW-14 and MW-24 did not fall below the USEPA guidance on low flow sampling criteria of 1 NTU. However following purge times of 85, 90, 85, 130, 60, 45, 45 and 50 minutes respectively, the last three consecutive readings from each well exhibited turbidity within 10% of each other. Therefore, in accordance with USEPA guidance, stabilization was achieved and the samples could be obtained.

- Water level was unable to be measured at overburden monitoring well MW-12AR due to a blockage in the well, likely the top of the

pump at 12.80 feet. The pump is so long that it is possible to not be able to take a water level reading due to water being below the top of the pump but water being high enough to still be pumped out. Water was purged from the well. Following stabilization the well was sampled.

- Monitoring wells MW-17 and MW-10AR were purged using disposable PVC bailers dedicated to each well. Low flow equipment has not been installed in MW-17 due to historic occurrences of free product in the well. MW-10AR is a replacement well, and low flow equipment has not been installed.

Identification of the wells included in the quarterly monitoring events and the annual monitoring event is provided in the correspondence included in Appendix A.

2. Summary of field activities

2.1. Well locations

The locations of overburden, shallow bedrock, intermediate bedrock, and deep bedrock monitoring wells and Westbay ports are shown on Figures 1, 2, 3, and 4, respectively.

2.2 Well integrity

Conventional wells MW-4A, MW-8A and MW-15 required minor repairs prior to sampling. MW-4A appeared to have been damaged (the cap, air, and low-flow connections were severed and discarded, possibly due to construction at the Cinema property.) The well was repaired. MW-8A and MW-15 had minor air leakage associated with faulty air lines. The air lines were repaired and both wells were sampled.

2.3. Water levels

Water levels were collected on December 13, 2002. Ground water contour maps are included as Figures 5 through 8. The ground water elevation data is included in Appendix B.

2.4. Conventional ground water monitoring wells

Twenty two (22) conventional groundwater monitoring wells were identified, checked for integrity, characterized, and sampled in accordance with the modified FSP and the QAPP through the use of a low-flow bladder pump system dedicated to each well.

At each conventional well, water was monitored in a flow-through cell on-site for pH, conductivity, temperature, oxidation-reduction potential and dissolved oxygen, as described in Section 2.5 of the FSP dated January 2000. Turbidity was monitored using a separate instrument, with water samples being taken before flow reached the flow-through cell. Monitoring equipment was calibrated and used in accordance with the standards and protocols provided in Section 3.6 of the QAPP.

Following stabilization of the parameters, sampling of the conventional wells was completed using procedures described in Section 2.6 of the

FSP dated January 2000. Sampling logs and instrument calibration logs are included in Attachment C of this report.

Samples were packed on ice and sent to Alpha Analytical Laboratories under a chain of custody (COC) for analysis. COC documentation is included as Appendix C. Analytical methods were in accordance with the February 11, 2002 ground water sampling plan as modified by letter dated June 5, 2002. Trip blanks and temperature blanks were shipped with coolers submitted to the laboratory in accordance with Section 3.5 of the QAPP. Quality Assurance/Quality Control (QA/QC) samples were also collected in accordance with Section 3.5 of the QAPP. Duplicate sample #2 was obtained on December 5, 2002 from MW-8. Duplicate sample #4 was obtained on December 16, 2002 from MW-15, and duplicate sample #5 was obtained on December 16, 2002 from MW-13A. MS/MSD samples were collected from MW-13 on December 4, 2002, and from MW-2 on December 16, 2002

2.5. Westbay monitoring wells

Four Westbay bedrock monitoring wells (ECJ-1, ECJ-2, ECJ-3 and ECJ-4) were sampled during the Winter 2002 annual ground water sampling event. Westbay field logs are provided in Appendix D. In accordance with Section 2.6 of the FSP dated January 2000, groundwater from all the Westbay ports was directly sampled without prior purging or characterization.

Samples were packed on ice and sent to Alpha under a chain of custody protocol. COC documents are included in Appendix C. Analytical methods were in accordance with the February 11, 2002 ground water sampling plan as modified by letter dated June 5, 2002. Trip blanks and temperature blanks were submitted to Alpha, along with the samples, in accordance with Section 3.5 of the QAPP. QA/QC samples were also collected in accordance with Section 3.5 of the QAPP. Duplicate sample #1 was obtained on December 2, 2002 from ECJ-3-51. MS/MSD samples were obtained from ECJ-2-47 on December 11, 2002. An equipment blank from the Westbay sampling equipment was collected on December 17, 2002.

2.6. Ground water recovery samples

In accordance with the modified FSP, the shallow collection trench and five of six on site bedrock recovery wells (BEI-1, BEI-2, BEI-3, OBG-1 and OBG-2) were sampled on December 5, 2002 from the installed taps located inside the groundwater treatment facility. A ground water treatment plant composite sample was also collected from an installed tap located at the influent tank on December 3, 2002. It should be noted that the ground water treatment plant composite sample not only includes

water collected from the recovery wells and recovery trench, but also includes water from the floor sumps within the plant.

Samples were packed on ice and sent to Alpha under a chain of custody protocol. COC documents are included in Appendix C. Analytical methods were in accordance with the February 11, 2002 ground water sampling plan as modified by letter dated June 5, 2002. COC Trip blanks and temperature blanks were shipped with coolers submitted to the laboratory in accordance with Section 3.5 of the QAPP. A QA/QC sample was also collected in accordance with Section 3.5 of the QAPP. Duplicate sample #3 was obtained on December 5, 2002 from BEI-2.

2.7. Validated results

The validated data from the Winter 2002 sampling event is included in the data validation report provided in Appendix E. The validated data has been downloaded into a Microsoft FoxPro relational database management system (DBMS) to facilitate future data management and trend analysis.

In addition, data from the Winter 1999 sampling round, the four rounds conducted in 2001, and the four rounds conducted in 2002 have been consolidated into a tabular report, which has been provided in Appendix F for future reference.

2.8. Data evaluation

The results of the data from the Winter 2002 ground water monitoring event are discussed below. A discussion regarding historical data follows.

Groundwater Monitoring Wells – Winter 2002 sampling event
Tables 1 through 4 present the range of constituents detected in the ground water monitoring wells during the Winter 2002 monitoring event for VOCs, PCBs, TAL metals, and SVOCs, respectively. A review of the tables suggests the following:

- Consistent with previous investigations, the following VOC constituents were detected most frequently: trichloroethene, cis-1,2 dichloroethene, vinyl chloride, chlorobenzene, benzene, toluene, and ethylbenzene. VOCs detected at the highest concentrations include vinyl chloride and cis-1,2-dichloroethene.

- Consistent with previous investigations, PCBs were detected infrequently during the Winter 2002 sampling event.

- Similar to the previous sampling events, the following metals were not detected in any of the 42 ground water samples: antimony, arsenic, beryllium, cadmium, cobalt, mercury, nickel, selenium,

silver, and thallium. The following metals were detected in fewer than 10% of the samples: total chromium, copper, lead, and vanadium. Only aluminum, barium, calcium, iron, magnesium, manganese, potassium, sodium, and zinc were detected in more than 10% of the samples.

- SVOCs ((bis 2-ethylhexyl)phthalate) were detected in two of five monitoring wells sampled at low levels (at or less than 20 ppb).

Recovery System– Winter 2002 sampling event
Tables 5 through 8 present the range of constituents detected at the shallow collection trench, five of the six bedrock recovery wells, and the ground water treatment plant influent composite sample during the Winter 2002 monitoring event for VOCs, PCBs, TAL metals, and SVOCs, respectively. A review of the tables suggests the following:

- Consistent with previous investigations, VOC constituents detected most frequently continue to be trichloroethene, cis-1,2-dichloroethene, vinyl chloride, chlorobenzene, benzene, toluene, and ethyl benzene.

- PCBs were detected in five of the six samples. Aroclor 1254 was detected in OBG-1 at 303 ug/l. The average concentration of Aroclor 1254 in the other bedrock recovery wells was 1.1 ug/l. The concentration of Aroclor 1254 at OBG-1 was less than the level detected during the Winter 2001 sampling event.

- The following metals were not detected in any of the six samples: antimony, arsenic, beryllium, cadmium, cobalt, copper, mercury, selenium, silver, thallium, and vanadium. Aluminum, chromium (total), lead, nickel, and zinc were detected in one of the six samples. Only barium, calcium, iron, magnesium, manganese, potassium, and sodium were detected in more than one of the six samples.

- Six SVOC compounds (1,2,4-trichlorobenzene, 1,4-dichlorobenzene, 1-chloronapthalene, 1-methylnapthalene, NDPA/DPA, and naphthalene were detected in more than one sample. Napthalene was detected in each of the seven samples. SVOCs were detected in low concentrations relative to VOCs.

VOC Data Comparison
Consistent with the data presentation in the Winter 2001 report, Table 9 presents historical ground water VOC data from select wells (MW-13A, MW-6A, MW-GCA-1, ECJ-1 (72' and 122'), and ECJ-2 (82')) that span the remedial investigations, pre-design investigations, design investigations, and post-construction investigations. Review of Table 9 suggests that in most cases, the concentrations of constituents in the identified wells for the Winter 2002 sampling event were generally similar to concentrations observed during the other 2002 sampling events. Comparison of the 2002 data to pre-remediation data for these selected wells demonstrates the following:

- Significant reductions in chlorinated organics (primarily 1,2-dichloroethene and trichloroethene) were observed. These reductions are more pronounced in the shallow and intermediate bedrock zones than in the overburden, where pre-remediation concentrations were lower to begin with.

- Concentrations of BTEX compounds, and chlorobenzene, were generally reduced from pre-remediation levels. Reductions of these VOCs were not as pronounced as for the chlorinated organics.

- Concentrations of vinyl chloride have remained consistent with, or have reduced slightly from, pre-remediation levels at most of the identified locations. In the shallow bedrock (72') of ECJ-1, where the largest reductions in 1,2-DCE and TCE were observed within the disposal area, the concentration of vinyl chloride increased slightly.

PCB Data Comparison
Table 10 presents historical PCB data for MW-6A. The concentrations of PCBs continue to very low, or non-detect.

Recovery Point Data Comparison
Table 11 presents historical ground water recovery point data. Although the results are generally consistent with previous sampling events, some observations are as follows:

- The concentrations of PCBs in the shallow collection trench and recovery wells have been consistently low or non-detect over time, with the exception of OBG-1. The concentrations of PCBs (mostly Aroclor 1254) were elevated during the Winter 2001 and Winter 2002 sampling events. A likely cause for the elevated detection of PCBs in OBG-1 during these events is particulate matter in the samples.

- For BTEX constituents, results appear to be consistent over time for recovery wells OBG-1, OBG-2, OBG-3, BEI-1 and BEI-3. The concentrations of BTEX constituents in the shallow collection trench bedrock recovery well BEI-2 have shown an overall decline compared to historical data.

- The concentrations of chlorinated constituents appear to be consistent over time in most cases. A decrease in the concentrations of trichlorethene, vinyl chloride, and/or 1,2-dichloroethene was noted in recovery wells OBG-2, OBG-3, BEI-2 and BEI-3.

- The concentrations of metals in the shallow collection trench and the six bedrock recovery wells have been consistent over time.

- The concentrations of SVOCs, when detected in the shallow collection trench and the six bedrock recovery wells, have been relatively consistent over time.

Historical Summary

A summary of historical ground water monitoring data for total VOCs, total PCBs, and total SVOCs is presented on Table 12. Although the results of the sampling events are generally consistent, some observations of the data are as follows:

- In most of the Set A monitoring wells (located inside the former disposal area, immediately down gradient of the former disposal pit), the concentrations of total VOCs have decreased significantly, and total PCBs appear to be consistent with pre-remediation levels.

- In the Set B monitoring wells (located inside the former disposal area, immediately upgradient of the former disposal pit), the concentrations of total VOCs in the wells in the south west corner of the former disposal area (ECJ-3 and MW-16) continue to be non-detect or very low (close to non-detect.) With respect to the four wells nearest to the southern boundary of the Site, the concentrations of VOCs observed in monitoring wells MW-2, MW-14, and MW-24 appear to be declining over time, while the total. VOC concentrations have increased slightly in MW-15. PCB concentrations have decreased in MW-2, continue to be non-detect in MW-14, and consistent in MW-15 and MW-24. I

- In the Set C monitoring wells (located outside the former disposal area, within 300 feet), the concentrations of total VOCs have been consistent with pre-remediation levels and in most cases, at low concentrations. A decrease in total VOCs was noted in MW-6A, and an increase in total VOCs was noted in MW-ECJ-2 (152' and 187'). Note that during the short term performance testing conducted in July 2002, the 152' and 187' ports of MW-ECJ-2 showed significant response (approximately 4 ft of drawdown) to bedrock pumping. This confirms that this deep bedrock well is within the zone of capture of the recovery system. It is possible that the increasing VOC concentrations are due to a higher concentration, down gradient portion of the plume being pulled back toward this well by the recovery system. PCBs continue to be non-detect. SVOC concentrations were consistent in ECJ-2 with the exception of an increase in ECJ-2 (187').

- In the Set D monitoring wells (located outside the former disposal area, greater than 300 feet downgradient), the concentrations of total VOCs have been consistently non-detect or close to non-detect, with the exception of ECJ-4 (162') which showed slightly elevated total VOCs. PCBs were not detected in the Set D monitoring wells.

2.9. Monitoring well MW-17

Monitoring of light non-aqueous phase liquid (LNAPL)/separate phase product occurrence in monitoring well MW-17 has been monitored at the Sullivan's Ledge Superfund Site during 2002.

MW-17 was gauged with a Solinst® oil/water interface probe approximately monthly from the period of January through November 2002. Depths to LNAPL and groundwater were gauged during these events and an absorbent sock, placed in the well, was qualitatively observed for the relative degree of oil saturation. During this period, LNAPL thickness was generally too thin to measure, and only a thin coating of residue was observed on the tip of the oil/water interface probe upon removal from the well. A minimal LNAPL presence was observed on April 10, 2002 and July 22, 2002, and approximately 0.02 ft of LNAPL was gauged on both occasions.

An absorbent sock was placed in MW-17 to recover LNAPL, if any, and to further assist in documenting potential LNAPL occurrence. This absorbent sock has not exhibited significant staining, and has not required replacement during the calendar year. Following the March 12, 2002 gauging event, the absorbent sock was not advanced to the groundwater level within the well, thus allowing any product to collect within the well without being absorbed by the sock. During the next gauging event on April 10, 2002, following a full month without deployment of an absorbent sock in the well, only minimal LNAPL (i.e., 0.02 ft) was observed. A summary of collected data is provided on Table 13.

In summary, monitoring for LNAPL at MW-17 has not identified significant LNAPL occurrence. The minimal LNAPL occurrence that has been infrequently observed is consistent with the historic observations described in a letter to the agencies dated January 11, 2002. The use of the absorbent sock has not yielded any significant product recovery. Based on these observations, it is clear that any LNAPL in MW-17 has been adequately addressed. It is recommended that the absorbent sock be removed, and monitoring of LNAPL in MW-17 be discontinued.

3. Ground water treatment system

3.1. Assessment of system operation

The ground water treatment system was successfully operated during 2002. A summary of the daily performance of the ground water treatment plant is included on the monthly operating reports submitted to USEPA, MADEP, and the Group by the City of New Bedford. Copies of the 2002 reports are included in Appendix G.

The ground water treatment plant was shutdown during March 2002 due to installation of the undiluted acid feed system. The system was shut down, or was only partially operational, for nine days in June due to the hydraulic testing at the Site. The system was shutdown for two days in July due to air compressor repair. The only other reasons for temporary system shutdown included low flow conditions and routine maintenance, including acid tank repair.

3.2. Flow data

The extraction rates from the recovery wells at the time of water level measurement (during each of the four quarterly monitoring events in 2002) are provided in Table 14.

The ground water treatment plant flow data for each month (including influent, effluent, and average flow data) is included in Appendix G. The data was provided by the City of New Bedford as part of the monthly operating reports that are submitted to USEPA, MADEP, and the Group.

4. Summary, conclusions, and recommendations

4.1. Summary

A total of twenty-two conventional wells and twenty-one ports from four Westbay wells were sampled during the Winter 2002 ground water sampling event. Analysis was conducted for VOCs (42 samples), PCBs (42 samples), TAL metals (42 samples), and SVOCs (5 samples). Samples were also collected from the shallow collection trench, five of the six bedrock recovery wells, and the groundwater treatment plant using sample taps in the ground water treatment plant. Analysis was conducted for VOCs (6 samples), PCBs (6 samples), TAL metals (6 samples), and SVOCs (7 samples). Analytical results were validated and downloaded into a Microsoft FoxPro relational database management system to facilitate future data management and trend analysis.

4.2. Conclusions

Some conclusions drawn based on the Winter 2002 data are as follows:

<u>VOCs</u>

The number of VOC constituents of concern present appears to be limited, and remains consistent over time. A review of historical data shows that the number of VOC constituents detected during the 2001 quarterly monitoring events ranged from 20 to 24. The number of VOCs detected during the Winter 2002 monitoring event was 26.

A review of Table 1 indicates that only nine of the 26 constituents were detected in more than 10% of the monitoring well samples: 1,4-dichlorobenzene, trichloroethene, 1,2-dichloroethene, vinyl chloride, chlorobenzene, benzene, toluene, and ethyl benzene, and isopropylbenzene.

VOCs continue to be a broad indication of ground water condition, and based on mobility, continue to be a good indicator of potential changes in site conditions. A review of Table 12 confirms that at no monitoring well were PCBs detected without the co-detection of VOCs. Concentrations of VOCs continue to fluctuate, and specific trends at each well are not apparent. However, the VOCs observed during 2002 are generally lower than, or consistent with pre-remediation VOC data.

A review of the historical recovery point data shows that the concentrations of chlorinated constituents appear to be consistent over time in most cases. A decrease in the historical concentrations of TCE, vinyl chloride, and/or 1,2-Dichloroethene was noted in recovery wells OBG-2, OBG-3, BEI-2 and BEI-3.

PCBs

A review of Table 2 confirms that PCBs continue to be detected infrequently and in low concentrations. During the Winter 2002 sampling event, PCBs were detected in 8 of 16 on-site wells at low levels (at or less than 23.6 ppb), and 1 of 22 off-site monitoring wells (at 0.282 ppb). A review of historical data shows that the PCBs detected are generally consistent (in frequency and concentration) with previous data.

The concentrations of PCBs detected in the shallow collection trench and the bedrock recovery wells have been relatively consistent, with the exception of OBG-1which was elevated during the Winter 2001 and 2002 sampling events.

SVOCs

SVOCs ((bis 2-ethylhexyl)phthalate) were detected in two of five monitoring wells sampled at low levels (at or less than 20 ppb). SVOC concentrations were consistent in MW-ECJ-2 with the exception of an increase in ECJ-2-187'.

The concentrations of detected SVOCs in the shallow collection trench and the six bedrock recovery wells have been consistent over time.

Metals

A comprehensive list of TAL metals were analyzed in Winter 2002, and only 9 of 23 metals were detected in more than 10% of the samples. As shown on Table 3, the metals detected in more than 10% of samples were as follows: aluminum, barium, calcium, iron, magnesium, manganese, potassium, sodium, and zinc

The concentrations of metals in the shallow collection trench and the six bedrock recovery wells have been consistent over time.

4.3. Recommendations

The results of future quarterly and annual monitoring events should continue to be evaluated with the intent of identifying potential trends in the data, also focusing on data collection needs and the future adjustment of the scope of future monitoring events to minimize collection of data that may not present any meaningful information.

Since monitoring for LNAPL at MW-17 has not identified significant LNAPL occurrence, the minimal LNAPL occurrence is consistent with the historic observations, and the use of the absorbent sock has not yielded any significant product recovery, it is recommended that the absorbent sock be removed, and monitoring of LNAPL in MW-17 be discontinued.

TABLES

Table 1
Sullivan's Ledge Superfund Site
Ground Water Data Summary
Winter 2002 Monitoring Event
Volatile Organic Compounds[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
1,1-Dichloroethane	42	1	0.5U	1.2
1,1-Dichloroethene	42	2	0.5U	340
1,2,3-Trichlorobenzene	42	1	2.5U	4.6
1,2,4-Trichlorobenzene	42	1	2.5U	16
1,3-Dichlorobenzene	42	1	2.5U	15
1,4-Dichlorobenzene	42	6	2.5U	45
Benzene	42	11	0.5U	4100
Carbon disulfide	42	1	5U	16
Chlorobenzene	42	14	0.5U	280
Chloroethane	42	4	1U	23
Ethylbenzene	42	15	0.5U	3000
Isopropylbenzene	42	6	0.5U	14
Methyl tert butyl ether	42	1	1U	2
Naphthalene	42	1	2.5U	60
Tetrahydrofuron	42	2	10U	13
Toluene	42	11	0.75U	2600
Trichloroethene	42	10	0.5U	1000
Vinyl chloride	42	21	1U	19000
cis-1,2-Dichloroethene	42	21	0.5U	62000
n-Butylbenzene	42	2	0.5U	1.4
n-Propylbenzene	42	3	0.5U	2.9
0-Xylene	42	4	0.5U	7.9
p-Isopropyltoluene	42	1	0.5U	1.3
m,p-Xylenes	42	3	0.5U	32
sec-Butlybenzene	42	2	0.5U	1.2
trans-1,2-Dichloroethene	42	2	0.75U	170

Notes:
1. Only detected compounds shown.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Data Summary
Winter 2002 Monitoring Event
PCBs[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aroclor 1242/1016	42	9	0.25U	23.6
Aroclor 1248	42	1	0.25U	6.32
Aroclor 1254	42	3	0.25U	1.37
Aroclor 1260	42	1	0.25U	0.338

Notes:
1. Only detected compounds shown.

Table 3
Sullivan's Ledge Superfund Site
Ground Water Data Summary
Winter 2002 Monitoring Event
Metals[1]

Constituent	Number of Samples	Number of Detects	Range (mg/L)	
			Low	High
Aluminum	42	11	0.1U	15
Antimony	42	0	0.05U	0.05U
Arsenic	42	0	0.005U	0.005U
Barium	42	37	0.01U	1.6
Beryllium	42	0	0.005U	0.005U
Cadmium	42	0	0.005U	0.005U
Calcium	42	42	22	130
Chromium (total)	42	2	0.01U	0.1
Cobalt	42	0	0.02U	0.02U
Copper	42	3	0.01U	0.02
Iron	42	39	0.05U	120
Lead	42	4	0.005U	0.015
Magnesium	42	42	4.2	57
Manganese	42	40	0.01U	9.9
Mercury	42	0	0.0005U	0.0005U
Nickel	42	0	0.025U	0.025U
Potassium	42	39	1.0U	14
Selenium	42	0	0.005U	0.01U
Silver	42	0	0.007U	0.007U
Sodium	42	42	16	240
Thallium	42	0	0.005U	0.005U
Vanadium	42	2	0.01U	0.03
Zinc	42	7	0.05U	1.1

Notes:

1. A total of 23 metals analyzed using method 6010B/7470A. All analytes shown.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Data Summary
Winter 2002 Monitoring Event
Semivolatile Organic Compounds

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
bis (2-Ethylhexyl)phthalate	5	2	9.6U	20

Notes:

1. Only detected compound shown.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Data Summary from Recovery Systems[1]
Winter 2002 Monitoring Event
Volatile Organic Compounds[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Benzene 1,2,4-trimethyl	6	1	250U	5.2
1,4-Dichlorobenzene	6	1	250U	11
Benzene	6	4	50U	540
Chlorobenzene	6	3	50U	340
Chlorethane	6	1	100U	8.9
Ethylbenzene	6	5	1U	1100
Isopropylbenzene	6	1	50U	12
Naphthalene	6	1	250 U	7.1
Toluene	6	4	1.5U	970
Trichloroethene	6	5	1U	7600
Vinyl chloride	6	5	2U	1600
cis-1,2-Dichloroethene	6	6	1.1	22000
n-Propylbenzene	6	1	50U	2.2
o-Xylene	6	1	50U	1.6
m,p-Xylenes	6	1	50U	5.5

Notes:

1. Samples collected from shallow collection trench and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, and OBG-2.
2. Only detected compounds shown.

Table 6
Sullivan's Ledge Superfund Site
Ground Water Data Summary from Recovery Systems[1]
Winter 2002 Monitoring Event
PCBs[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aroclor 1242/1016	6	5	0.25U	11.5
Aroclor 1254	6	5	0.25U	303

Notes:

1. Samples collected from shallow collection trench and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, and OBG-2.
2. Only detected compounds shown.

Table 7
Sullivan's Ledge Superfund Site
Ground Water Data Summary from Recovery Systems[1]
Winter 2002 Monitoring Event
Metals[2]

Constituent	Number of Samples	Number of Detects	Range (mg/L)	
			Low	High
Aluminum	6	1	0.1U	0.18
Antimony	6	0	0.05U	0.05U
Arsenic	6	0	0.005U	0.005U
Barium	6	6	0.9	1.6
Beryllium	6	0	0.005U	0.005U
Cadmium	6	0	0.005U	0.005U
Calcium	6	6	55.0	96.0
Chromium (total)	6	1	0.01U	0.07
Cobalt	6	0	0.02U	0.02U
Copper	6	0	0.01U	0.01U
Iron	6	6	2.2	86.0
Lead	6	1	0.005U	0.007
Magnesium	6	6	11.0	20.0
Manganese	6	6	2.1	9.4
Mercury	6	0	0.0005U	0.0005U
Nickel	6	1	0.025U	0.053
Potassium	6	6	4.7	13.0
Selenium	6	0	0.005U	0.005U
Silver	6	0	0.007U	0.007U
Sodium	6	6	32.0	110.0
Thallium	6	0	0.005U	0.005U
Vanadium	6	0	0.01U	0.01U
Zinc	6	1	0.05U	0.06

Notes:

1. Samples collected from shallow collection trench and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, and OBG-2.
2. A total of 23 metal compounds analyzed using method 6010B/7470A. All analysis shown.

Table 8
Sullivan's Ledge Superfund Site
Ground Water Data Summary from Recovery Systems[1]
Winter 2002 Monitoring Event
Semivolatile Organic Compounds[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
1,2,4-Trichlorobenzene	7	4	10U	70
1,3-Dichlorobenzene	7	1	5U	7
1,4-Dichlorobenzene	7	6	5U	20
1-Chloronaphthalene	7	4	5U	19
1-Methylnapthalene	7	5	5U	18
2-Methylnapthalene	7	1	8U	16
Acenaphthene	7	1	5U	7.2
Diethyl phthalate	7	1	12U	5.4
Isophorone	7	1	5U	7.4
NDPA/DPA	7	3	15U	31
Naphthalene	7	7	5U	100
Phenanthrene	7	1	5U	5.3

Notes:

1. Samples collected from shallow collection trench, bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, and OBG-2, and a ground water treatment plant influent composite sample.
2. Only detected compounds shown.

Table 9
Sullivan's Ledge Superfund Site
Historical Ground Water Data
Winter 2002 Monitoring Event
Volatile Organic Compounds
Select Monitoring wells

WELL NUMBER	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1
DEPTH	122'	122'	122'	122'	122'	122'	122'	122'	122'	122'	122'	122'	122'	122'	122'
COMPOUND	15 MAR 88	20 AUG 92	9 DEC 92	10 FEB 93	3 MAY 93	23 MAR 95	18 DEC 99	24 MAR 01	21 JUNE 01	19 SEPT 01	4 DEC 01	27 MAR 0	19 JUN 02	6 SEPT 0	3 DEC 02
1,1,1-Trichloroethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U
1,1,2-Trichloroethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	75 U	75 U	75 U	75 U		75 U	75 U	75 U
1,1-Dichloroethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	75 U	75 U	75 U	75 U	750 U	75 U	75 U	75 U
1,1-Dichloroethene	U	2000 UJ	260 J	5000 UJ	10000 U	10000 U	170 J	75 U	50 U	50 U	50 U	500 U	50 U	54	50 U
1,2-Dichloroethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	11	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U
1,2-Dichloroethene (total)	12000	22000 J	110000 J	130000 J	150000 J	140000	62320 J	6500	3500	4800	9100	NS	NS	NS	7900
1,2-Dichloropropane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	180 U	180 U	180 U	180 U	1800 U	180 U	180 U	180 U
2-Butanone	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	10 U	500 U	500 U	500 U	500 U	5000 U	500 U	500 U	500 U
2-Hexanone	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	5.0 U	500 U	500 U	500 U	500 UJ	5000 U	500 U	500 U	500 UJ
4-Methyl-2-Pentanone	U	2000 UJ	1700 J	5000 UJ	10000 U	10000 U	5.0 U	500 U	500 U	500 U	500 UJ	5000 U	500 U	500 U	500 UJ
Acetone	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	10 U	500 UJ	500 U	500 U	500 U	5000 U	500 U	500 U	500 U
Benzene	U	2000 UJ	5000 UJ	5000 UJ	440 J	10000 U	150 J	290	400	310	160	500 U	380	310	450
Bromodichloromethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	500 U	50 U	50 U	500 U	50 U	50 U	50 U
Bromoform	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	50 U	50 U	50 U	500 U	50 U	200 U	200 U
Bromomethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	1.0 U	100 UJ	100 U	100 U	100 U	1000 U	100 U	100 U	100 U
Carbon Disulfide	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	500 U	500 U	500 U	500 U	5000 U	500 U	500 U	500 U
Carbon Tetrachloride	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U
Chlorobenzene	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	2.6	180 U	180	160	93	500 U	190 U	120	220
Chloroethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	1.0 UJ	100 U	100 U	100 U	100 U	1000 U	100 U	100 U	100 U
Chloroform	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	75 U	75 U	75 U	75 U	750 U	75 U	75 U	75 U
Chloromethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	1.0 U	500 U	250 U	250 U	250 U	2500 U	250 U	250 U	250 U
cis-1,3-Dichloropropene	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U
Dibromochloromethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U
Ethylbezene	U	2000 UJ	3300 J	4000 J	10000 U	3900 J	2000	450	830	480	150	1300	490	1000	510
Methylene Chloride	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	2.0 U	250 U	500 U	500 U	500 U	2500 U	250 U	250 U	250 U
Styrene	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.91	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U
Tetrachloroethene	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U
Toluene	U	2000 UJ	2400 J	2900 J	10000 U	3100 J	1100	92	110	90	75 U	1400	95	540	77
trans-1,3-Dichloropropene	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U
Trichloroethene	74000	5300 J	29000 J	5000 UJ	690 J	10000 U	11	50 U	50 U	140	1200	500 U	50 U	50 U	180
Vinyl Chloride	U	2000 UJ	2100 J	4700 J	6600 J	13000	6100	1200	3200	690	560	2700	1000	2600	1600
Xylene (total)	U	180 J	96 J	5000 UJ	10000 U	10000 U	46	50 U	50 U	50U	50U	NS	NS	NS	50 U

Units: ug/L
U = non-detected
J = estimated

Table 10
Sullivan's Ledge Superfund Site
Historical Ground Water Data
Winter 2002 Monitoring Event
Polychlorinated Biphenyls MW-6A

DEPTH COMPOUND	17 JAN 85	17 JAN 85	21 MAY 85	12 MAR 86	24 FEB 88	24 FEB 88	27 AUG 92	17 NOV 92	17 FEB 93	29 APR 93	24 MAR 95	24 MAR 95	16 NOV 99	20 MAR 01	JUN 01	SEP 01	5 DEC 01	27 MAR 0	20 JUN 02
Aroclor-1016	U	U	U	U	U	U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	0.53 U	NA	NA	NA	NA	NA	NA
Aroclor-1221	U	U	U	U	U	U	2.0 U	2.0 U	2.0 UJ	2.0 U	1.0 U	1.0 U	0.53 U	2.5 U	NS	.464 U	.474 U	0.5 U	0.5 U
Aroclor-1232	U	U	U	U	U	U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	0.53 U	2.5 U	NS	.464 U	.474 U	0.5 U	0.5 U
Aroclor-1242	U	U	U	U	U	U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	0.53 U	NA	NA	NA	NA	NA	NA
Aroclor-1242 / 1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	61.2 J	NA	2.5 U	NS	.464 U	.474 U	0.5 U	0.5 U
Aroclor-1248	U	U	U	U	U	U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	0.53 U	2.5 U	NS	.464 U	.474 U	0.5 U	0.5 U
Aroclor-1254	1.6	1.39	1.0	U	U	U	0.014 J	0.87 J	2.1 J	1.0 U	1.7	1.5	0.12 J	2.5 U	NS	.464 U	.474 U	0.5 U	0.5 U
Aroclor-1260	U	U	U	U	U	U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	0.53 U	2.5 U	NS	.464 U	.474 U	0.5 U	0.5 U

DEPTH COMPOUND	19 SEPT 02	11 DEC 02]																	
Aroclor-1016	NA	NA																	
Aroclor-1221	0.5 U	0.25 U																	
Aroclor-1232	0.5 U	0.25 U																	
Aroclor-1242	NA	NA																	
Aroclor-1242 / 1016	0.5 U	0.282																	
Aroclor-1248	0.5 U	0.25 U																	
Aroclor-1254	0.5 U	0.25 U																	
Aroclor-1260	0.5 U	0.25 U																	

Units: ug/L
U = non-detected
J = estimated
NA = not analyzed

Table 11
Sullivan's Ledge Superfund Site
Historical Recovery Systems Data (1)

	Discharge Limits	GROUND WATER COLLECTION TRENCH									
		Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #7	Event #8	Event #9	Event #10
Sample Date		12/15/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	4/9/02	6/20/02	9/18/02	12/5/02
PCBs (ug/l)	5	2.4	3.2	4.5	LT 0.50	(2)	LT 0.46	2.9	2.33	3.87	1.01
Benzene (ug/l)	(3)	110	110	140	90	(2)	99	180	83	140	94
Toluene (ug/l)	(3)	70	190	53	LT 1.5	(2)	4.7	410	65	8	LT 1.5
E-Benzene (ug/l)	(3)	12	12	21	3.8	(2)	3.7	12	4.8	16	LT 1.0
Xylene (ug/l)	(3)	16	16	23	12.1	(2)	11.6	11	6.9	14.9	7.1
TCE (ug/l)	(3)	LT 0.5	LT 5.0	LT 5.0	1.4	(2)	4.1	LT 5	LT 1	LT 1	LT 1
1,2 DCE (ug/l)	(3)	1.9	LT 5.0	LT 5.0	3.1	(2)	3.8	LT 5	LT 1	1	1.1
V.Chloride (ug/l)	(3)	LT 1.0	LT 10	LT 10	LT 2.0	(2)	LT 1.0	LT 10	LT 2	LT 2	LT 2
Chlorobenzene (ug/l)	(3)	100	120	110	72	(2)	90	110	53	110	78
Chloroform (ug/l)	(3)	LT 0.50	LT 5.0	LT 5.0	LT 1.5	(2)	LT 0.75	LT 7.5	LT 1.5	LT 1.5	LT 1.5
Acetone (ug/l)	(3)	LT 10	LT 100	LT 100	LT 10	(2)	LT 5	LT 50	LT 10	LT 10	LT 10
Acrolein (ug/l)	4000	NA	NA	LT 5.0	LT 25	(2)	LT 12	LT 120	LT 25	LT 25	LT 25
Arsenic (mg/l)	1.400	LT 0.005	LT 0.005	LT 0.005	LT 0.005	(2)	LT 0.005	NA	NA	NA	LT 0.005
Cadmium (mg/l)	1.200	LT 0.01	LT 0.01	LT 0.01	LT 0.005	(2)	LT 0.005	NA	NA	NA	LT 0.005
Chromium (mg/l)	5.000	LT 0.01	LT 0.01	LT 0.01	LT 0.01	(2)	LT 0.01	LT 0.01	NA	NA	LT 0.01
Chromium (VI) (mg/l)	4.800	LT 0.02	LT 0.01	NA	NA	(2)	NA	NA	NA	NA	NA
Copper (mg/l)	4.500	LT 0.01	LT 0.01	LT 0.01	LT 0.01	(2)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Cyanide (mg/l)	1.900	0.09	0.062	NA	NA	(2)	NA	NA	NA	NA	NA
Iron (mg/l)	-	NA	86	79	83	(2)	90	78	86	73	86
Lead (mg/l)	0.600	LT 0.005	LT 0.005	LT 0.005	LT 0.005	(2)	LT 0.005	0.006	0.01	LT 0.005	0.007
Manganese (mg/l)	-	NA	1.8	1.4	1.8	(2)	2.0	NA	NA	NA	2.1
Mercury (mg/l)	0.010	LT 0.0002	LT 0.0002	NA	LT 0.0005	(2)	LT 0.0005	NA	NA	NA	LT 0.0005
Molybdenum (mg/l)	-	LT 0.05	LT 0.05	LT 0.05	LT 0.05	(2)		NA	NA	NA	NA
Nickel (mg/l)	2.100	LT 0.05	LT 0.05	LT 0.05	LT 0.025	(2)	LT 0.025	NA	NA	NA	LT 0.025
Silver (mg/l)	0.500	LT 0.01	LT 0.01	LT 0.01	LT 0.01	(2)	LT 0.007	NA	NA	NA	LT 0.007
Zinc (mg/l)	3.500	LT 0.01	LT 0.01	0.01	0.07	(2)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
SVOC'S (ug/l)	(3)	63	70	NA	73.1	(2)	ND	NA	NA	NA	71.4
Pesticides	(4)	NA	NA	ND	NA	(2)	ND	NA	NA	NA	NA

	RECOVERY WELL OBG-1									
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #7	Event #8	Event #9	Event #10
Sample Date	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	4/9/02	6/20/02	9/18/02	12/5/02
PCBs (ug/l)	3.7	4.9	10	29.6	26.2	512	130	41.58	(2)	314.5
Benzene (ug/l)	290	360	LT 500	270	300	330	330	330	(2)	300
Toluene (ug/l)	650	620	970	770	1500	1600	1200	1200	(2)	970
E-Benzene (ug/l)	750	610	920	720	1200	1400	1000	1000	(2)	850
Xylene (ug/l)	LT 50	LT 50	LT 500	LT 100	LT 200	LT 250	LT 250	LT 200	(2)	LT 250
TCE (ug/l)	4000	5400	7400	2100	8000	6600	3100	1900	(2)	1100
1,2 DCE (ug/l)	26000	16000	13000	13000	23000	26000	22000	23000	(2)	22000
V.Chloride (ug/l)	1200	820	LT 1000	550	900	1200	800	1100	(2)	1000
Chlorobenzene (ug/l)	LT 50	LT 50	LT 500	LT 350	LT 200	LT 250	LT 250	LT 200	(2)	LT 250
Chloroform (ug/l)	LT 50	LT 50	LT 500	LT 150	LT 300	LT 380	LT 380	LT 300	(2)	LT 380
Acetone (ug/l)	LT 1000	LT 1000	LT 10000	LT 1000	LT 2000	LT 2500	LT 2500	LT 2000	(2)	LT 2500
Acrolein (ug/l)	NA	NA	LT 500	LT 2500	LT 5000	LT 6200	LT 6200	LT 5000	(2)	LT 6200
Arsenic (mg/l)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	NA	NA	(2)	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	NA	NA	(2)	LT 0.005
Chromium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	(2)	0.07
Chromium (VI) (mg/l)	LT 0.01	LT 0.01	NA	NA	NA	NA	NA	NA	(2)	NA
Copper (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	(2)	LT 0.01
Cyanide (mg/l)	0.16	0.16	NA	NA	NA	NA	NA	NA	(2)	NA
Iron (mg/l)	NA	41	40	46	54	52	120	68	(2)	49
Lead (mg/l)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	0.005	LT 0.005	(2)	LT 0.005
Manganese (mg/l)	NA	9.7	8.6	7.9	8.2	7.5	NA	NA	(2)	8.5
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	NA	NA	(2)	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	NA	NA	(2)	NA
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025	NA	NA	(2)	0.053
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	NA	NA	(2)	LT 0.007
Zinc (mg/l)	LT 0.01	0.02	0.02	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	(2)	LT 0.05
SVOC'S (ug/l)	79	55	NA	122.5	NA	110	NA	NA	(2)	166.8
Pesticides	NA	NA	ND	NA	NA	ND	NA	NA	(2)	NA

	RECOVERY WELL OBG-2									
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #7	Event #8	Event #9	Event #10
Sample Date	12/29/99	1/28/00	6/29/00	3/21/01	9/24/01	12/6/01	4/9/02	6/20/02	9/18/02	12/5/02
PCBs (ug/l)	5.9	7.6	5.3	1.01	6.04	8.4	LT 0.5	5.48	6.097	6.886
Benzene (ug/l)	LT 500	LT 500	400	390	570	420	360	400	480	540
Toluene (ug/l)	LT 500	LT 500	120	140	190	LT 75	110	110	150	170
E-Benzene (ug/l)	LT 500	LT 500	86	140	180	75	100	110	110	180
Xylene (ug/l)	LT 500	LT 500	LT 50	42	LT 50	LT 50	LT 50	31	LT 25	LT 50
TCE (ug/l)	670	540	350	82	420	LT 50	59	56	63	71
1,2 DCE (ug/l)	19000	11000	3200	4800	6100	3300	3200	3900	5530	6700
V.Chloride (ug/l)	2300	1100	390	430	610	390	380	430	660	750
Chlorobenzene (ug/l)	LT 500	LT 500	220	250	340	230	260	280	290	340
Chloroform (ug/l)	LT 500	LT 500	LT 50	LT 38	LT 75	LT 75	LT 75	LT 38	LT 38	LT 75
Acetone (ug/l)	LT 10000	LT 10000	LT 1000	LT 250	LT 500	LT 500	LT 500	LT 250	LT 250	LT 500
Acrolein (ug/l)	NA	NA	LT 50	LT 620	LT 1200	LT 1200	LT 1200	LT 620	LT 620	LT 1200
Arsenic (mg/l)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	NA	NA	NA	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	NA	NA	NA	LT 0.005
Chromium (mg/l)	0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Chromium (VI) (mg/l)	LT 0.01	LT 0.01	NA	NA	NA	NA	NA	NA	NA	NA
Copper (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Cyanide (mg/l)	0.18	0.12	NA	NA	NA	NA	NA	NA	NA	NA
Iron (mg/l)	NA	71	74	73	76	70	80	75	67	69
Lead (mg/l)	LT.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Manganese (mg/l)	NA	6.9	5.8	6.5	6.9	5.8	NA	NA	NA	6
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	NA	NA	NA	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	NA	NA	NA	NA
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025	NA	NA	NA	LT 0.025
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	NA	NA	NA	LT 0.007
Zinc (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
SVOC'S (ug/l)	217	255	NA	371.3	NA	26	NA	NA	NA	206.1
Pesticides	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA

Notes:

1. Samples for events 1, 2, and 3 collected by OBG Operations and analyzed by OBG Laboratories. Samples for events 4 through 10 collected by Mabbett & Associates, Inc. and analyzed by Alpha Analytical Labs.
2. Recovery source inoperative at time of sampling.
3. TTO less than 2000 ug/l.
4. Constituent specific.

Table 11
Sullivan's Ledge Superfund Site
Historical Recovery Systems Data (1)

	RECOVERY WELL OBG-3									
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #7	Event #8	Event #9	Event #10
Sample Date	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	4/9/02	6/20/02	9/18/02	12/5/02
PCBs (ug/l)	LT 0.50	LT 0.50	LT 0.51	LT 0.50	LT 0.50	LT 0.50	6.04	LT 0.5	LT 0.526	(2)
Benzene (ug/l)	LT 500	66	LT 120	56	59	LT 50	LT 100	70	44	(2)
Toluene (ug/l)	LT 500	36	LT 120	LT 75	LT 75	LT 75	LT 150	LT 38	LT 38	(2)
E-Benzene (ug/l)	LT 500	LT 25	LT 120	LT 50	LT 50	LT 50	LT 100	LT 25	LT 25	(2)
Xylene (ug/l)	LT 500	LT 25	LT 120	LT 50	LT 50	LT 50	LT 100	LT 25	LT 25	(2)
TCE (ug/l)	7100	4300	1800	450	120	96	340	140	110	(2)
1,2 DCE (ug/l)	9200	4900	3500	3600	2900	5400	10000	3500	2300	(2)
V.Chloride (ug/l)	LT 1000	180	LT 250	180	230	490	390	220	130	(2)
Chlorobenzene (ug/l)	LT 500	44	LT 120	LT 180	77	LT 50	LT 100	87	70	(2)
Chloroform (ug/l)	LT 500	LT 25	LT 120	LT 75	LT 75	LT 75	LT 150	LT 38	LT 38	(2)
Acetone (ug/l)	LT 10000	LT 500	LT 2500	LT 500	LT 500	LT 500	LT 1000	LT 250	LT 250	(2)
Acrolein (ug/l)	NA	NA	LT 120	LT 1200	LT 1200	LT 1200	LT 2500	LT 620	LT 620	(2)
Arsenic (mg/l)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	NA	NA	NA	(2)
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	NA	NA	NA	(2)
Chromium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.01	LT 0.01	LT 0.01	(2)
Chromium (VI) (mg/l)	LT 0.01	LT 0.01	NA	NA	NA	NA	NA	NA	NA	(2)
Copper (mg/l)	LT 0.01	LT 0.01	LT 0.01	0.03	0.01	LT 0.01	0.07	LT 0.01	0.01	(2)
Cyanide (mg/l)	0.02	0.028	NA	NA	NA	NA	NA	NA	NA	(2)
Iron (mg/l)	NA	41	53	53	62	60	51	57	62	(2)
Lead (mg/l)	LT 0.005	LT 0.005	LT 0.005	0.016	LT 0.005	LT 0.005	0.022	LT 0.005	LT 0.005	(2)
Manganese (mg/l)	NA	8.9	9.8	8.3	9.6	11	NA	NA	NA	(2)
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	NA	NA	NA	(2)
Molybdenum (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	NA	NA	NA	(2)
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	0.026	LT 0.025	NA	NA	NA	(2)
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	NA	NA	NA	(2)
Zinc (mg/l)	LT 0.01	0.01	LT 0.01	0.15	0.05	0.05	0.82	0.06	0.46	(2)
SVOC'S (ug/l)	ND	18	NA	16	NA	46	NA	NA	NA	(2)
Pesticides	NA	NA	ND	NA	NA	ND	NA	NA	NA	(2)

	RECOVERY WELL BEI-1									
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #7	Event #8	Event #9	Event #10
Sample Date	(2)	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	4/9/02	6/20/02	9/18/02	12/5/02
PCBs (ug/l)	(2)	2.0	5.2	0.953	6.39	4.2	3.765	3.243	6.52	6.82
Benzene (ug/l)	(2)	68	LT 500	LT 100	LT 200	LT 200	LT 200	130	LT 200	LT 250
Toluene (ug/l)	(2)	360	990	960	1200	1100	860	1200	1000	780
E-Benzene (ug/l)	(2)	700	1000	1100	1200	1400	990	1700	LT 200	1100
Xylene (ug/l)	(2)	LT 50	LT 500	LT 100	LT 200	LT 200	LT 200	1300	1100	LT 250
TCE (ug/l)	(2)	7500	17000	13000	20000	20000	12000	16000	9600	7600
1,2 DCE (ug/l)	(2)	21000	11000	12000	14000	20000	16000	20000	25000	19000
V.Chloride (ug/l)	(2)	650	LT 1000	490	600	800	570	750	LT 400	820
Chlorobenzene (ug/l)	(2)	LT 50	LT 500	LT 350	LT 200	LT 200	LT 200	LT 120	LT 200	LT 250
Chloroform (ug/l)	(2)	LT 50	LT 500	LT 150	LT 300	LT 300	LT 300	LT 190	LT 300	LT 380
Acetone (ug/l)	(2)	LT 1000	LT 10000	LT 1000	LT 2000	LT 2000	LT 2000	LT 1200	LT 2000	LT 2500
Acrolein (ug/l)	(2)	NA	LT 500	LT 2500	LT 5000	LT 5000	LT 5000	LT 3100	LT 5000	LT 6200
Arsenic (mg/l)	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	NA	NA	NA	LT 0.005
Cadmium (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	NA	NA	NA	LT 0.005
Chromium (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Chromium (VI) (mg/l)	(2)	LT 0.01	NA	NA	NA	NA	NA	NA	NA	NA
Copper (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Cyanide (mg/l)	(2)	0.019	NA	NA	NA	NA	NA	NA	NA	NA
Iron (mg/l)	(2)	26	47	45	60	41	54	54	52	48
Lead (mg/l)	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Manganese (mg/l)	(2)	4.4	10	10	11	9.7	NA	NA	NA	8.8
Mercury (mg/l)	(2)	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	NA	NA	NA	LT 0.0005
Molybdenum (mg/l)	(2)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	NA	NA	NA	NA
Nickel (mg/l)	(2)	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025	NA	NA	NA	LT 0.025
Silver (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	NA	NA	NA	LT 0.007
Zinc (mg/l)	(2)	LT 0.01	LT 0.01	0.06	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
SVOC'S (ug/l)	(2)	68	NA	67.9	NA	82	NA	NA	NA	91.9
Pesticides	(2)	NA	ND	NA	NA	ND	NA	NA	NA	NA

	RECOVERY WELL BEI-2									
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #7	Event #8	Event #9	Event #10
Sample Date	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	4/9/02	6/20/02	9/18/02	12/5/02
PCBs (ug/l)	8.2	7.8	3.0	LT 0.5	2.585	1.66	2.05	2.3	2.988	2.444
Benzene (ug/l)	230	LT 250	LT 120	120	LT 100	140	LT 200	120	92	140
Toluene (ug/l)	2200	940	240	76	LT 150	220	LT 300	90	LT 75	100
E-Benzene (ug/l)	4000	1700	430	290	220	480	530	250	210	320
Xylene (ug/l)	87	LT 250	LT 120	LT 50	LT 100	LT 100	LT 200	LT 50	LT 50	LT 50
TCE (ug/l)	3800	4200	800	160	300	540	490	81	LT 50	73
1,2 DCE (ug/l)	77000	30000	8400	7400	5900	14000	15000	7400	6800	11000
V.Chloride (ug/l)	8200	3900	1000	840	850	2000	1700	1200	1400	1600
Chlorobenzene (ug/l)	80	LT 250	LT 120	LT 180	LT 100	100	LT 200	160	120	150
Chloroform (ug/l)	LT 50	LT 250	LT 120	LT 75	LT 150	LT 150	LT 300	LT 75	LT 75	LT 75
Acetone (ug/l)	LT 1000	LT 5000	LT 2500	LT 500	LT 1000	LT 1000	LT 2000	LT 500	LT 500	LT 500
Acrolein (ug/l)	NA	NA	LT 120	LT 1200	LT 2500	LT 2500	LT 5000	LT 1200	LT 1200	LT 1200
Arsenic (mg/l)	LT 0.005	LT 0.005	0.012	LT 0.005	LT 0.005	LT 0.005	NA	NA	NA	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	NA	NA	NA	LT 0.005
Chromium (mg/l)	LT 0.01	LT 0.01	0.01	LT 0.01	0.01	0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Chromium (VI) (mg/l)	LT 0.01	LT 0.01	NA	NA	NA	NA	NA	NA	NA	NA
Copper (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.06	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Cyanide (mg/l)	0.01	0.049	NA	NA	NA	NA	NA	NA	NA	NA
Iron (mg/l)	NA	55	210	58	56	55	54	61	59	60
Lead (mg/l)	LT 0.005	0.022	0.006	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Manganese (mg/l)	NA	9.2	7.9	7.8	7.6	8.6	NA	NA	NA	7.6
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	NA	NA	NA	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	0.06	LT 0.05	LT 0.05	LT 0.05	NA	NA	NA	NA
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025	NA	NA	NA	LT 0.025
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	NA	NA	NA	LT 0.007
Zinc (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
SVOC'S (ug/l)	101	72	NA	74.2	NA	66	NA	NA	NA	39.3
Pesticides	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA

Notes:

1. Samples for events 1, 2, and 3 collected by OBG Operations and analyzed by OBG Laboratories. Samples for events 4 through 10 collected by Mabbett & Associates, Inc. and analyzed by Alpha Analytical Labs.
2. Recovery source inoperative at time of sampling.
3. TTO less than 2000 ug/l.
4. Constituent specific.

Table 11
Sullivan's Ledge Superfund Site
Historical Recovery Systems Data (1)

	RECOVERY WELL BEI-3									
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #7	Event #8	Event #9	Event #10
Sample Date	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	4/9/02	6/20/02	9/18/02	12/5/02
PCBs (ug/l)	3.3	3.4	4.5	0.867	4.42	1.26	1.04	1.05	1.56	1.31
Benzene (ug/l)	LT 5.0	LT 500	LT 250	LT 50	LT 50	LT 100	LT 50	LT 50	LT 50	LT 50
Toluene (ug/l)	LT 5.0	LT 500	LT 250	LT 75	LT 75	LT 150	LT 75	LT 75	LT 75	LT 75
E-Benzene (ug/l)	6.7	LT 500	LT 250	LT 50	83	LT 100	LT 50	72	52	89
Xylene (ug/l)	LT 5.0	LT 500	LT 250	LT 50	LT 50	LT 100	LT 50	LT 50	LT 50	LT 50
TCE (ug/l)	14000	13000	7200	2600	4600	2400	2200	2200	1500	2100
1,2 DCE (ug/l)	590	1400	2900	3400	6400	7400	4200	6400	5700	7200
V.Chloride (ug/l)	17	LT 1000	LT 500	LT 100	160	LT 200	130	190	LT 100	300
Chlorobenzene (ug/l)	LT 5.0	LT 500	LT 250	LT 180	LT 50	LT 100	LT 50	LT 50	LT 50	LT 50
Chloroform (ug/l)	LT 5.0	LT 500	LT 250	LT 75	LT 75	LT 150	LT 75	LT 75	LT 75	LT 75
Acetone (ug/l)	LT 100	LT 10000	LT 5000	LT 500	LT 500	LT 1000	LT 500	LT 500	LT 500	LT 500
Acrolein (ug/l)	NA	NA	LT 250	LT 1200	LT 1200	LT 2500	LT 1200	LT 1200	LT 1200	LT 1200
Arsenic (mg/l)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	NA	NA	NA	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	NA	NA	NA	LT 0.005
Chromium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Chromium (VI) (mg/l)	LT 0.01	LT 0.01	NA	NA	NA	NA	NA	NA	NA	NA
Copper (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.01	LT 0.01
Cyanide (mg/l)	LT 0.01	LT 0.01	NA	NA	NA	NA	NA	NA	NA	NA
Iron (mg/l)	NA	1.4	0.86	1.3	2.4	2.4	2	2.3	2.4	2.2
Lead (mg/l)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Manganese (mg/l)	NA	1.6	3.5	5.3	6.8	8.0	NA	NA	NA	9.4
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	NA	NA	NA	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	NA	NA	NA	NA
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025	NA	NA	NA	LT 0.025
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	NA	NA	NA	LT 0.007
Zinc (mg/l)	0.01	0.02	0.01	0.14	0.05	0.05	LT 0.05	LT 0.05	0.05	0.06
SVOC'S (ug/l)	ND	ND	NA	ND	NA	13.1	NA	NA	NA	LT 50
Pesticides	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA

Notes:

1. Samples for events 1, 2, and 3 collected by OBG Operations and analyzed by OBG Laboratories. Samples for events 4 th
2. Recovery source inoperative at time of sampling.
3. TTO less than 2000 ug/l.
4. Constituent specific.

Table 12
Sullivan's Ledge Superfund Site
Ground Water Analysis
Winter 2002 Monitoring Report
Historical Organic Compound Summary(1)

Monitoring Well	Location		Total Volatile Organic Compounds (ug/l)									Total PCBs (ug/l)									Total Semivolatile Organic Compounds (ug/l)		
	Set(2)	Group	Winter 1999	Spring 2001	Summer 2001	Fall 2001	Winter 2001	Spring 2002	Summer 2002	Fall 2002	Winter 2002	Winter 1999	Spring 2001	Summer 2001	Fall 2001	Winter 2001	Spring 2002	Summer 2002	Fall 2002	Winter 2002	Winter 1999	Spring 2001	Winter 2002
MW - 16	B	Overburden	5.1	ND	ND	ND	0.62	NS	NS	NS	ND	0.90	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	NS
ECJ-3 (51)	B	Shallow Bedrock	NS	15.0	ND	12	0.64	NS	NS	NS	ND	NS	ND	ND	ND	ND	NS	NS	NS	ND	NS	ND	NS
ECJ-3 (91)	B	Shallow Bedrock	NS	ND	1.0	ND	1.1	NS	NS	NS	ND	NS	ND	ND	ND	ND	NS	NS	NS	ND	NS	ND	NS
ECJ-3 (126)	B	Intermediate Bedrock	NS	ND	0.96	0.86	1.2	NS	NS	NS	ND	NS	ND	ND	ND	ND	NS	NS	NS	ND	NS	ND	NS
ECJ-3 (146)	B	Intermediate Bedrock	NS	NS	NS	ND	ND	NS	NS	NS	ND	NS	NS	NS	ND	ND	NS	NS	NS	ND	NS	NS	NS
MW - 15	B	Overburden	14.5	126.9	125.9	48.8	192.6	222.6	178.9	216.8	212.9	1.50	3.70	ND	R	2.24	1.26	1.28	1.71	2.66	8.8	6.0	NS
MW - 14	B	Overburden	639.5	965.0	974.0	365.5	117.0	126.4	293.4	203	140.2	0.83	ND	ND	ND	0.96	ND	ND	ND	ND	91.6	63.1	NS
MW - 24	B	Shallow Bedrock	3843.3	6530.0	3480.0	6370.0	6040.0	4600	3480	6370	5600	47.00	36.70	ND	R	26.0	17	13.1	35.5	23.6	66.9	39.8	NS
MW - 2	B	Shallow Bedrock	3440.0	2181.0	905.0	1139.0	963.0	941	1087.1	1291.3	1205.34	17.00	8.61	5.9	R	4.65	2.31	2.63	2.9	3.02	134.6	47.5	NS
MW - 13A	A	Overburden	28.8	10.2	4.1	14.3	32.0	NS	NS	NS	15.1	0.31	ND	NS	ND	ND	NS	NS	NS	ND	ND	ND	NS
MW-12AR	A	Overburden	NS	205.5	217.3	132.7	NS	NS	NS	NS	197.43	NS	ND	ND	2.26	NS	NS	NS	NS	1.07	NS	47.9	NS
MW - 22A	A	Overburden	1782.0	539.2	96.1	408.6	NS	NS	NS	NS	NS	25.20	ND	NS	61.2	NS	NS	NS	NS	NS	2231.3	229.7	NS
MW - 13	A	Shallow Bedrock	991.6	7.1	2.1	13.1	26.9	NS	NS	NS	10.46	0.26	ND	NS	ND	ND	NS	NS	NS	ND	ND	ND	NS
MW - 17	A	Shallow Bedrock	36.4	1.2	20.2	18.4	28.8	NS	NS	NS	0.56	ND	ND	NS	ND	ND	NS	NS	NS	ND	15.0	ND	NS
GCA - 1	A	Shallow Bedrock	13946.0	172.9	229.6	321.9	284.5	960	328.3	848.7	1054.2	14.00	ND	ND	5.83	2.53	NS	NS	NS	12.59	247.4	26.6	NS
ECJ 1 (37)	A	Shallow Bedrock	2297.6	109.0	64.0	83.0	64.0	64.2	53.2	62.1	37.4	1.10	2.85	2.08 J	1.12	R	NS	NS	NS	1.35	36.1	ND	NS
ECJ 1 (62)	A	Shallow Bedrock	72950.1	9410.0	5383.0	3180.0	1860.0	1164.5	2017.3	1805	1060	0.52	0.75	ND	R	ND	NS	NS	NS	ND	118.0	ND	NS
ECJ 1 (72)	A	Shallow Bedrock	145337.1	26780.0	37050.0	38330.0	41770.0	66900	60690	56710	33550	ND	ND	ND	ND	ND	NS	NS	NS	ND	152.4	21.0	NS
ECJ 1 (122)	A	Intermediate Bedrock	71911.5	8532.0	8220.0	6670.0	13263.0	42400	8155	32914	10937	ND	ND	1.56	R	R	NS	NS	NS	2.6	100.5	188.9	NS
ECJ 1 (148)	A	Intermediate Bedrock	36477.2	74600.0	104600.0	16270.0	18520.0	49550	36390	71750	34900	0.44	ND	ND	R	R	NS	NS	NS	5.46	109.4	182.6	NS
ECJ 1 (267)	A	Deep Bedrock	160.5	52.1	39.8	37.5	52.5	NS	NS	NS	39.47	ND	ND	ND	ND	ND	NS	NS	NS	ND	5.9	ND	NS
MW - 6A	C	Overburden	1835.1	314.5	158.0	173.0	331.5	136.4	106.8	126.9	91.02	0.12	ND	NS	ND	ND	ND	ND	ND	0.282	4.6	ND	NS
MW - 4A	C	Overburden	1.8	ND	ND	82.6	3.1	NS	NS	NS	0.51	ND	ND	NS	ND	ND	NS	NS	NS	ND	ND	ND	NS
MW - 5A	C	Overburden	ND	ND	2.0	2.2	ND	NS	NS	NS	ND	ND	ND	NS	ND	ND	NS	NS	NS	ND	ND	ND	NS
MW - 6	C	Shallow Bedrock	4837.2	2950.0	3998.0	2137.0	4533.0	4728	5961	9400	6100	ND	ND	NS	ND	ND	NS	NS	NS	ND	5.6	ND	NS
MW - 4	C	Shallow Bedrock	1271.9	1034.2	1113.2	1149.0	753.9	1260	1168	1393	1078	ND	ND	NS	ND	ND	NS	NS	NS	ND	ND	ND	NS
MW - 5	C	Shallow Bedrock	ND	6.8	3.6	3.9	3.6	NS	NS	NS	2	ND	ND	NS	ND	ND	NS	NS	NS	ND	ND	ND	NS
ECJ 2 (47)	C	Shallow Bedrock	2533.0	1920.0	2468.0	1511.0	2171.0	1150	2130	3167	2970	ND	ND	ND	ND	ND	NS	NS	NS	ND	3.2	ND	ND
ECJ 2 (82)	C	Intermediate Bedrock	15942.0	16080.0	23990.0	15740.0	18810.0	23470	27060	22840	21200	ND	ND	NS	ND	ND	NS	NS	NS	ND	4.4	ND	ND
ECJ 2 (117)	C	Intermediate Bedrock	55380.0	29730.0	51600.0	37600.0	48800.0	31680	31800	27610	29600	ND	ND	ND	ND	ND	NS	NS	NS	ND	8.8	ND	13
ECJ 2 (152)	C	Intermediate Bedrock	400.4	4594.0	6180.0	11330.0	19570.0	18840	38640	46030	58500	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	9.0	ND
ECJ 2 (187)	C	Deep Bedrock	3605.8	4440.0	76.4	43460.0	5200.0	19830	2011	29778	80240	ND	ND	NS	ND	ND	NS	NS	NS	ND	2.6	9.8	20
MW-10A	D	Overburden	NS	8.6	17.9	1.5	ND	NS	NS	NS	ND	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	ND	NS
MW - 8A	D	Overburden	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	NS
MW-10	D	Shallow Bedrock	NS	12.9	27.6	22.9	7.1	NS	NS	NS	4.8	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	ND	NS
MW-10B	D	Shallow Bedrock	NS	13.6	33.8	15.0	4.7	NS	NS	NS	2.8	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS	ND	NS
MW - 8	D	Shallow Bedrock	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	NS
ECJ 4 (62)	D	Shallow Bedrock	0.6	ND	13.0	ND	ND	NS	NS	NS	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	NS
ECJ 4 (87)	D	Intermediate Bedrock	0.6	0.7	ND	ND	ND	NS	NS	NS	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	NS
ECJ 4 (132)	D	Intermediate Bedrock	1.5	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	NS
ECJ 4 (162)	D	Intermediate Bedrock	16.7	11.8	5.9	7.1	7.4	NS	NS	NS	26.19	ND	ND	ND	ND	ND	NS	NS	NS	ND	3.5	ND	NS
ECJ 4 (227)	D	Deep Bedrock	7.0	4.3	5.7	4.3	4.9	NS	NS	NS	7.05	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	NS
ECJ 4 (245)	D	Deep Bedrock	15.4	5.1	3.7	3.3	6.8	NS	NS	NS	4.2	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND	NS

Notes:

1. Winter 1999 samples collected by O'Brien & Gere Engineers, Inc. and analyzed by OBG Laboratories.
   2001 and 2002 samples collected by Mabbett & Associates, Inc. and analyzed by Alpha Analytical, Inc.

2. Set A = Inside Disposal Area, immediately downgradient of disposal pit.
   Set B = Inside Disposal Area, immediately upgradient of disposal pit.
   Set C = Outside Disposal Area, within 300 feet of Disposal Area.
   Set D = Outside Disposal Area, greater than 300 feet from Disposal Area (downgradient).

3. NS = Not Sampled
   ND = Not detected

Table 13
Sullivan's Ledge Superfund Site
Summary of Monitoring Activities at MW-17 [1]
January - December 2002

Date	Elevation, Top of Casing (ft)	Depth to Water (ft)	Elevation, Groundwater (ft)	Depth to Product (ft)	Measurable Product Thickness in	Elevation, Top of Product (ft)	Notes
1/4/02	92.56	25.35	67.21	Product too thin to measure	None	Not Applicable	Thin coating of oil on tip of probe. New sock installed.
2/13/02	92.56	24.48	68.08	Product too thin to measure	None	Not Applicable	Thin coating of oil on tip of probe.
3/12/02	92.56	19.57	72.99	Product too thin to measure	None	Not Applicable	Thin coating of oil on tip of probe.
4/10/02	92.56	18.62	73.94	18.60	0.02	73.96	Sock not in oil phase from last gauging event, pushed down.
5/10/02	92.56	19.8	72.76	Product too thin to measure	None	Not Applicable	Thin coating of oil on tip of probe.
7/22/02	92.56	21.2	71.36	21.18	0.02	71.38	Sock clean, thin coating of oil on tip of probe.
8/14/02	92.56	22.2	70.36	Product too thin to measure	None	Not Applicable	Sock clean, thin coating of oil on tip of probe.
9/13/02	92.56	22.51	70.05	Product too thin to measure	None	Not Applicable	Sock clean, thin coating of oil on tip of probe.
10/9/02	92.56	22.00	70.56	Product too thin to measure	None	Not Applicable	Sock clean, thin coating of oil on tip of probe.
11/8/02	92.56	21.55	71.01	Product too thin to measure	None	Not Applicable	Sock clean, thin coating of oil on tip of probe.
12/13/02	92.56	19.18	73.38	Product too thin to measure	None	Not Applicable	Sock removed, thin coating of oil on tip of probe

Notes:
1. Monitoring undertaken by Mabbett & Associates, Inc. on behalf of O'Brien & Gere Engineers, Inc.

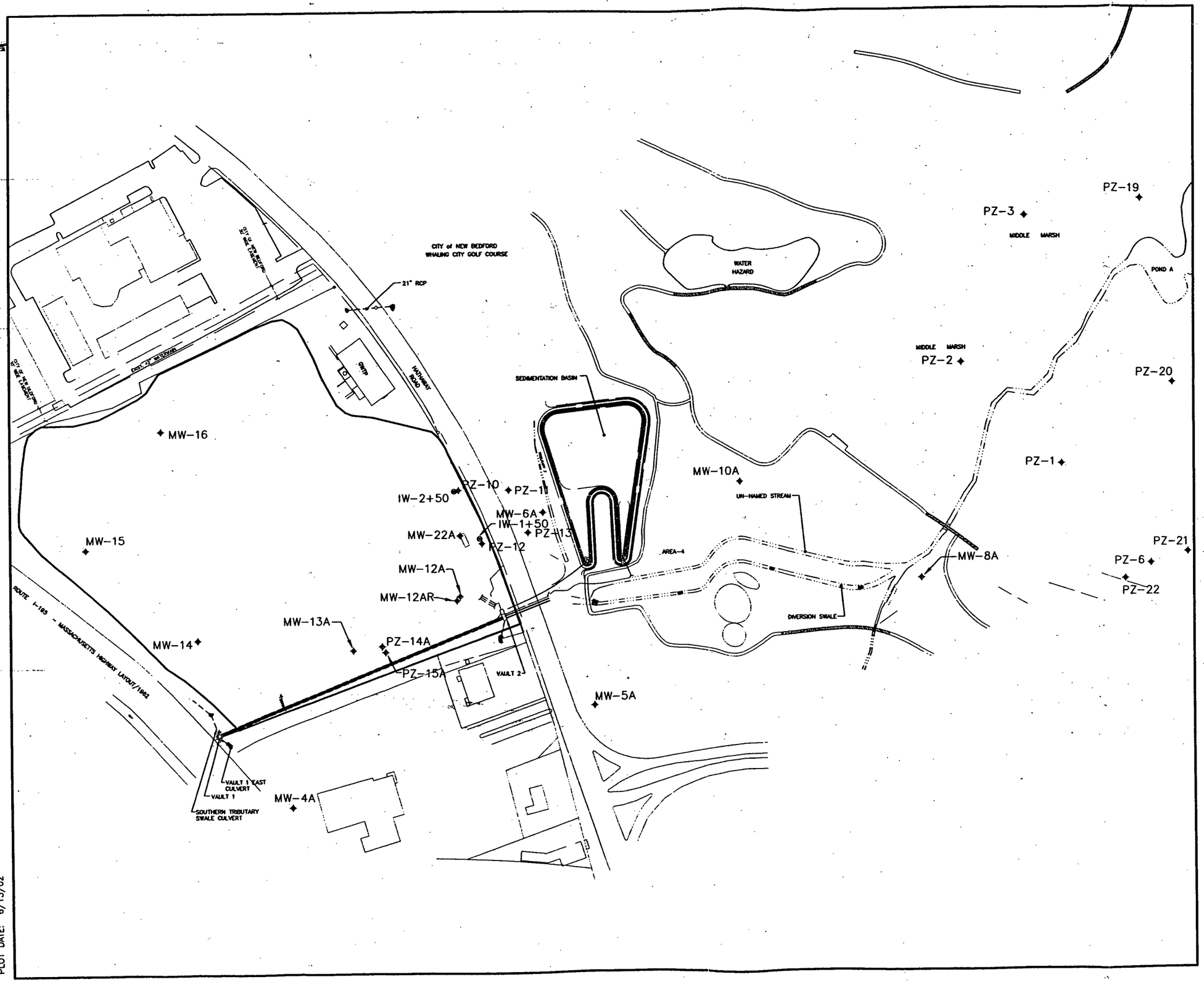
Table 14
Sullivan's Ledge Superfund Site
Recovery Well Extraction Rates

Date (1)	Flow Rate (gpm)					
2002	BEI-1	BEI-2	BEI-3	OBG-1	OBG-2	OBG-3
February 13	1.46	0.71	1.65	1.69	2.09	0.48
September 19	1.7	0.7	1.46	NA	2.43	0.31
June 3	1.52	0.65	1.47	1.45	1.89	0.34
December 13	1.59	0.72	1.52	1.35	2.65	NA

Notes:
1. Dates corresond to dates of ground water level measurement.
2. NA = Well not operational at the time of water level measurement.

FIGURES

FIGURE-1



DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\002.DWG (XREF DWG: SITEBASE.DWG)

PLOT DATE: 6/13/02

LEGEND

MONITORING WELL LOCATION

RECOVERY WELL LOCATION

ELEVATIONS IN FEET RELATIVE TO MEAN SEA LEVEL

SULLIVAN'S LEDGE SUPERFUND SITE NEW BEDFORD, MASS.

OVERBURDEN WELL LOCATION MAP

200 0 200

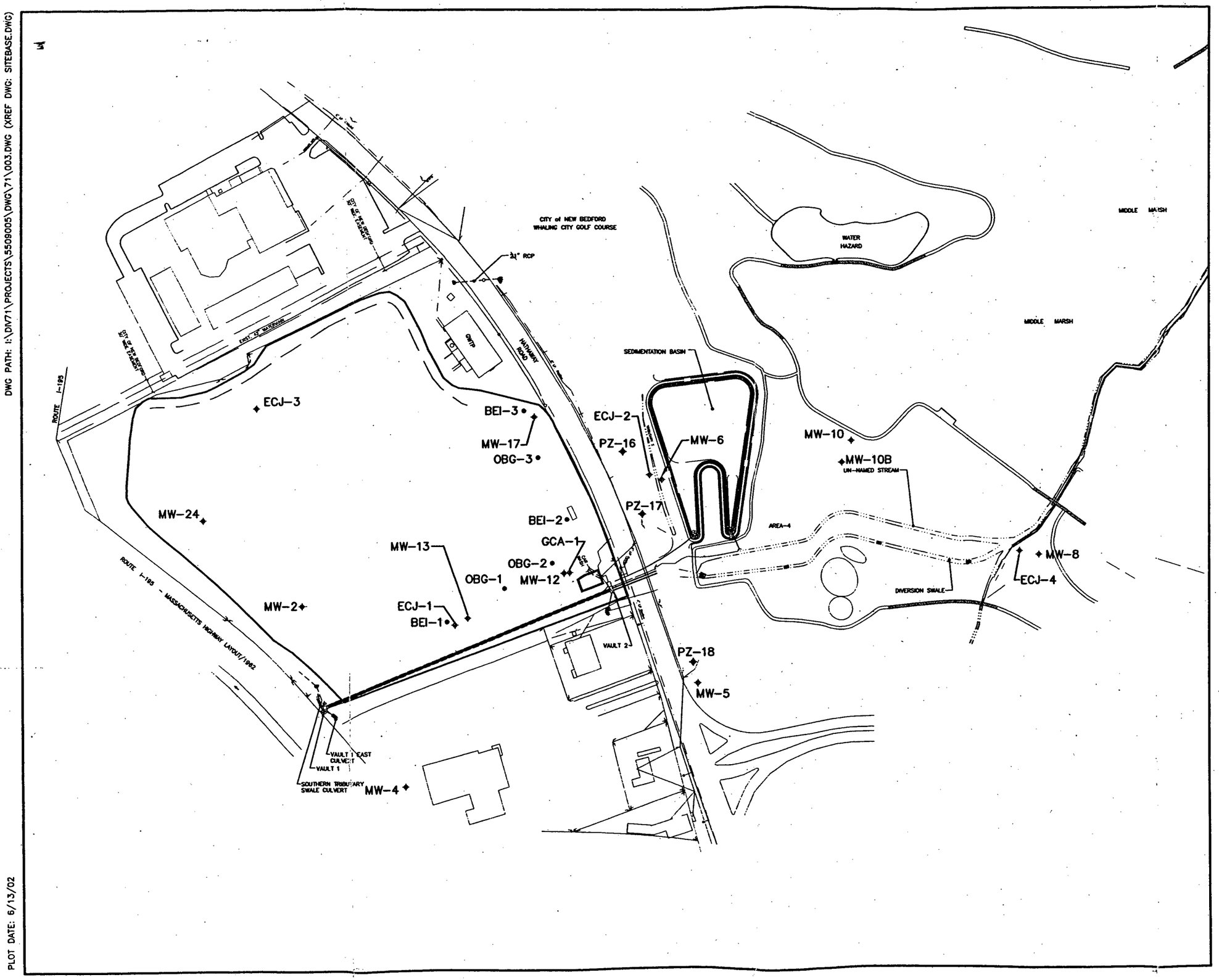
SCALE IN FEET

FILE NO. 5509.005-002

AUGUST 2001

O'BRIEN & GERE ENGINEERS INC.

FIGURE–2



LEGEND

MONITORING WELL LOCATION

RECOVERY WELL LOCATION

ELEVATIONS IN FEET RELATIVE TO MEAN SEA LEVEL

SULLIVAN'S LEDGE SUPERFUND SITE NEW BEDFORD, MASS.

SHALLOW BEDROCK WELL LOCATION MAP

200 0 200

SCALE IN FEET

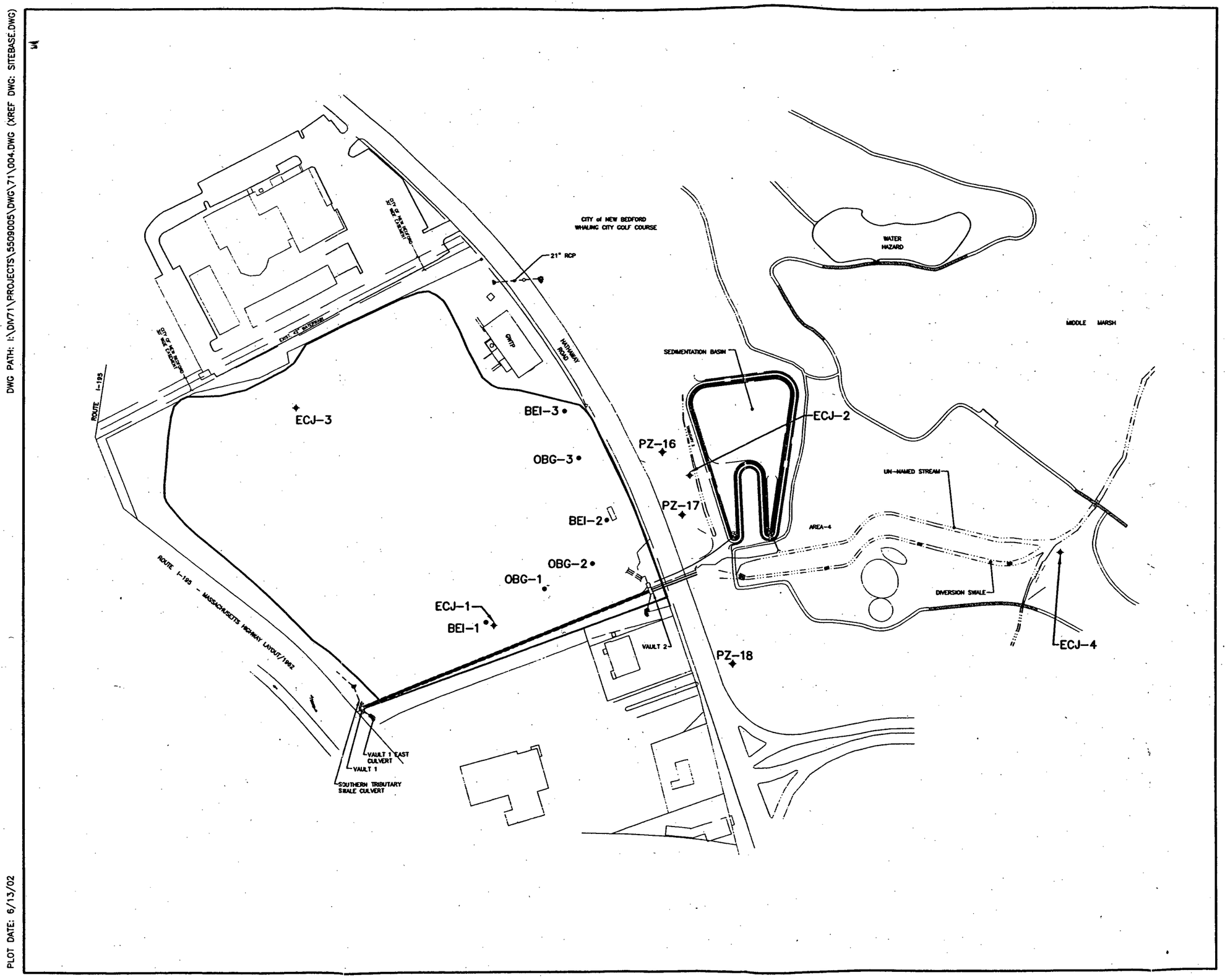
FILE NO. 5509.005–003
AUGUST 2001

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\003.DWG (XREF DWG: SITEBASE.DWG)

PLOT DATE: 6/13/02

FIGURE–3



LEGEND

- ECJ WELL LOCATION
- RECOVERY WELL LOCATION

ELEVATIONS IN FEET
RELATIVE TO MEAN SEA
LEVEL

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

INTERMEDIATE BEDROCK WELL LOCATION MAP

200 0 200
SCALE IN FEET

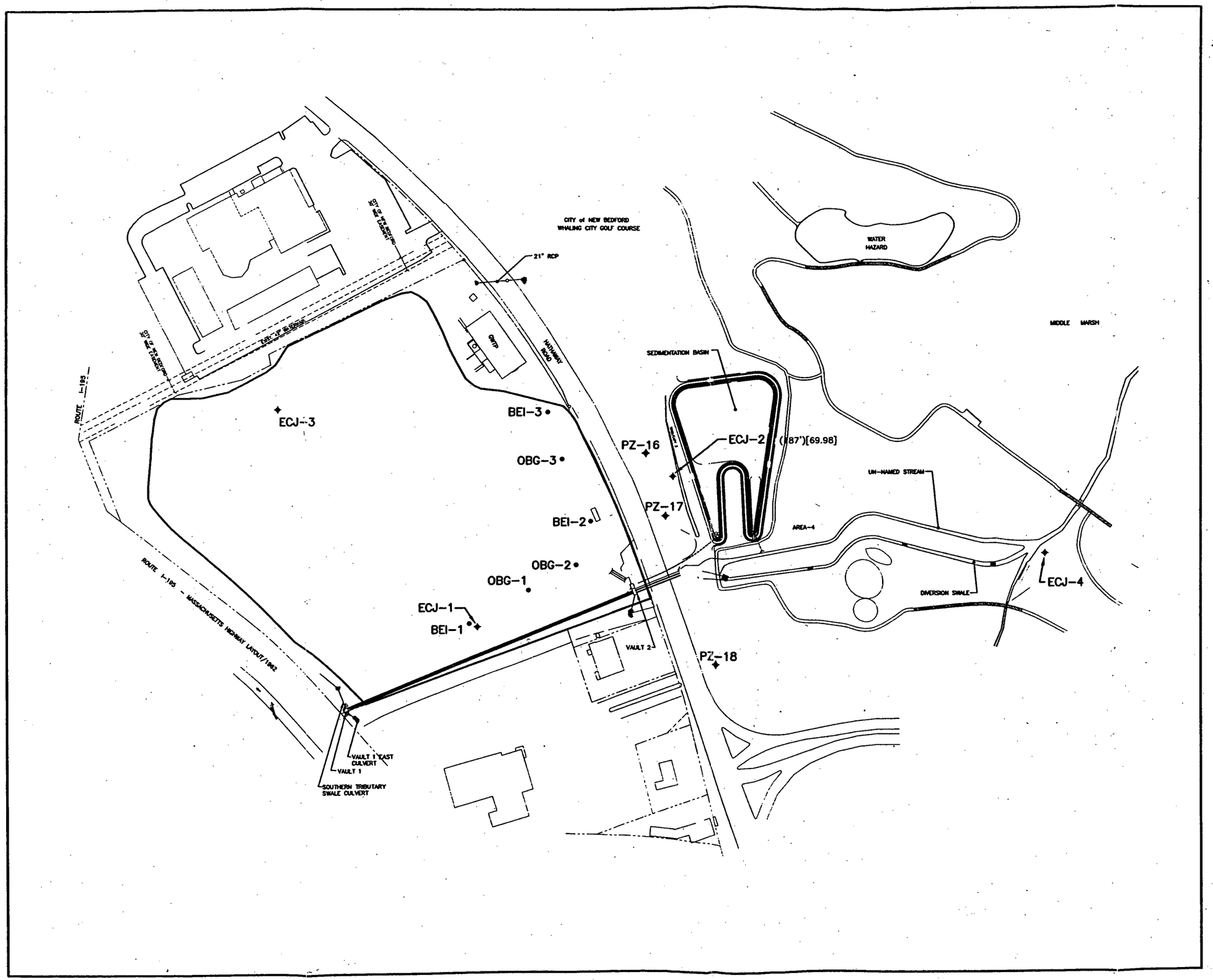
FILE NO. 5509.005–004
AUGUST 2001

O'BRIEN & GERE
ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\004.DWG (XREF DWG: SITEBASE.DWG)

PLOT DATE: 6/13/02

FIGURE–4



LEGEND

- ECJ WELL LOCATION
- RECOVERY WELL LOCATION

ELEVATIONS IN FEET RELATIVE TO MEAN SEA LEVEL

SULLIVAN'S LEDGE SUPERFUND SITE
NEW BEDFORD, MASS.

DEEP BEDROCK WELL LOCATION MAP

200 0 200
SCALE IN FEET

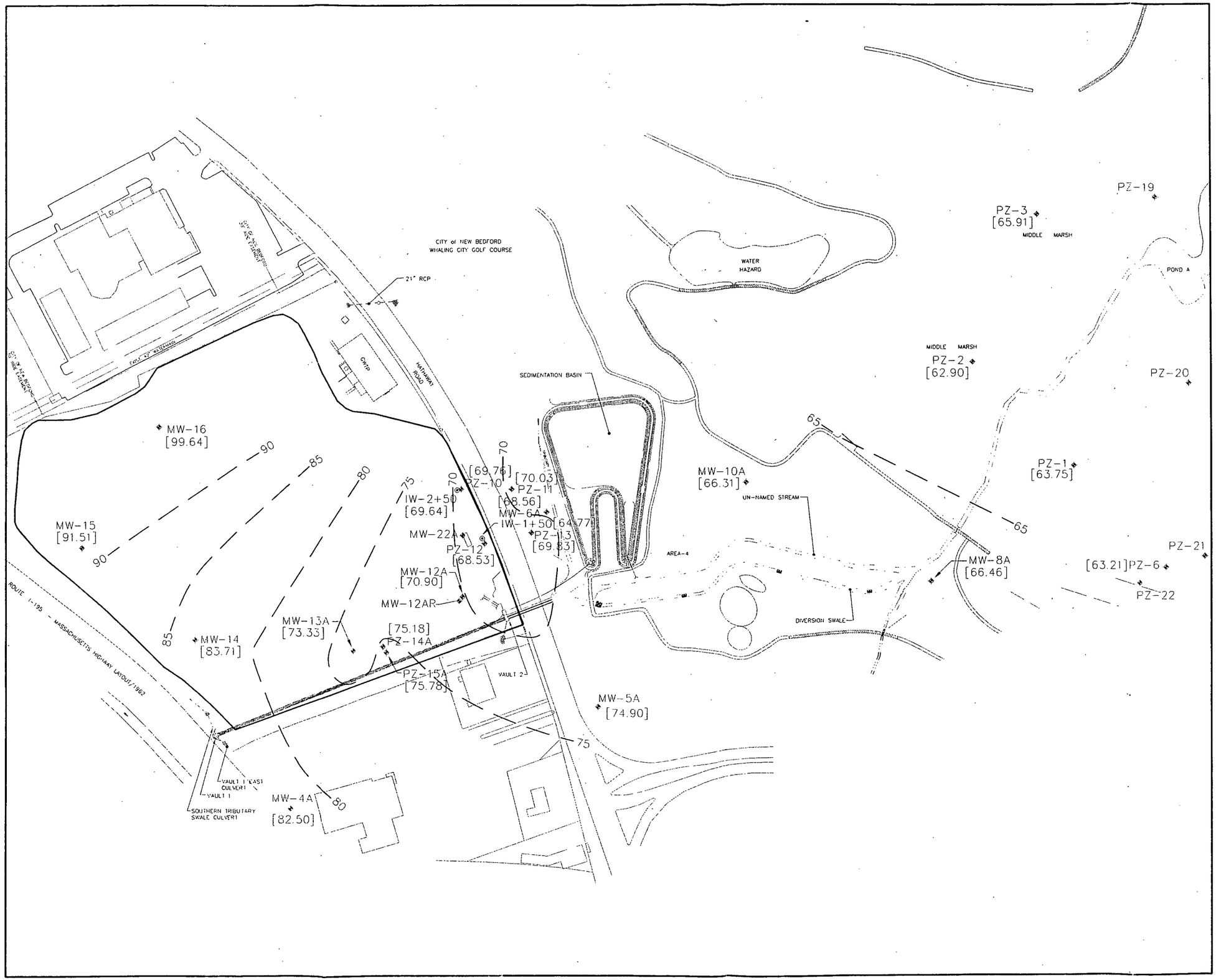
FILE NO. 5509.005–005
AUGUST 2001

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\005.DWG (XREF DWG: SITEBASE.DWG)

PLOT DATE: 6/13/02

FIGURE 5



LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- [74.90] GROUND WATER ELEVATION
- 70 EQUIPOTENTIAL CONTOUR LINE (DASHED WHERE INFERRED)

ELEVATIONS IN FEET RELATIVE TO MEAN SEA LEVEL

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

OVERBURDEN GROUND WATER ELEVATION MAP

200 0 200
SCALE IN FEET

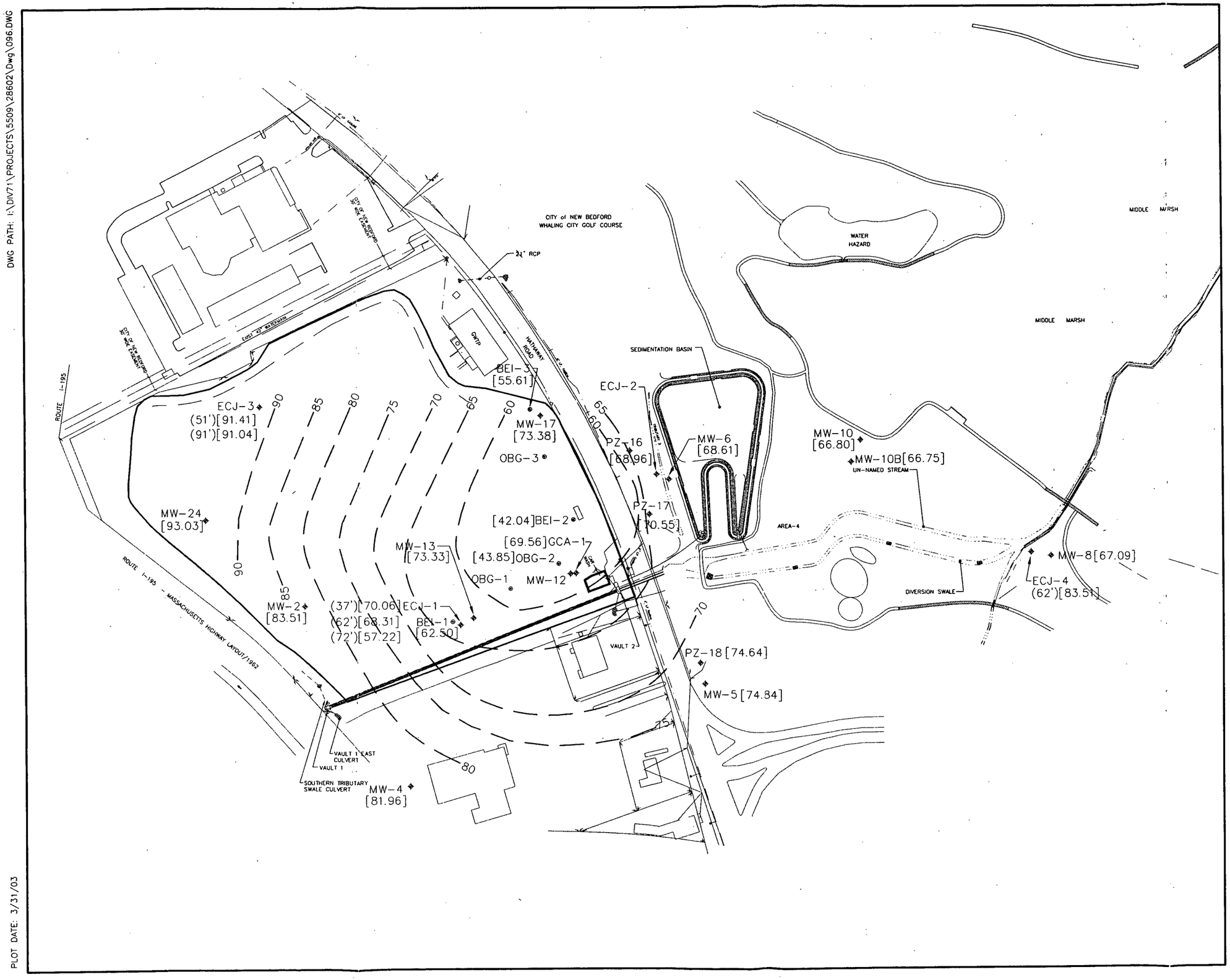
FILE NO. 5509.005-047
MARCH 2003

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\G47.DWG

PLOT DATE: 3/10/03

FIGURE 6



LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- [67.09] GROUND WATER ELEVATION
- (62') ECJ MONITORING PORT DEPTH (FT.)
- 70 EQUIPOTENTIAL CONTOUR LINE (DASHED WHERE INFERRED)

ELEVATIONS IN FEET RELATIVE TO MEAN SEA LEVEL

SULLIVAN'S LEDGE SUPERFUND SITE NEW BEDFORD, MASS.

SHALLOW BEDROCK GROUND WATER ELEVATION MAP DECEMBER 2002

200 0 200

SCALE IN FEET

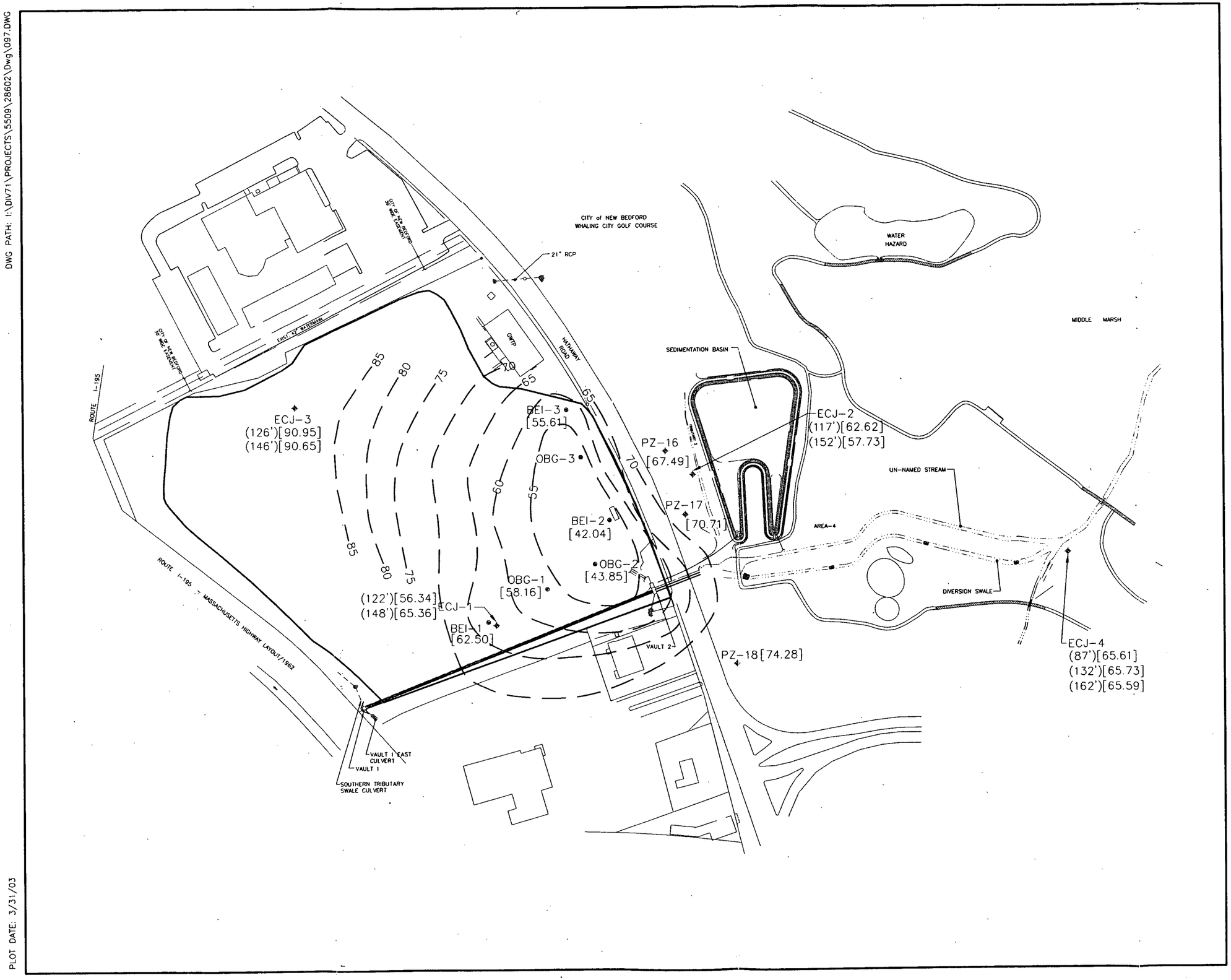
FILE NO. 5509.28602.096
MARCH 2003

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509\28602\Dwg\096.DWG

PLOT DATE: 3/31/03

FIGURE 7



LEGEND

- ECJ WELL LOCATION
- RECOVERY WELL LOCATION
- [62.62] GROUND WATER ELEVATION
- (87') ECJ MONITORING PORT DEPTH (FT.)
- 70 EQUIPOTENTIAL CONTOUR LINE (DASHED WHERE INFERRED)

ELEVATIONS IN FEET RELATIVE TO MEAN SEA LEVEL

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

INTERMEDIATE BEDROCK GROUND WATER ELEVATION MAP DECEMBER 2002

200 0 200

SCALE IN FEET

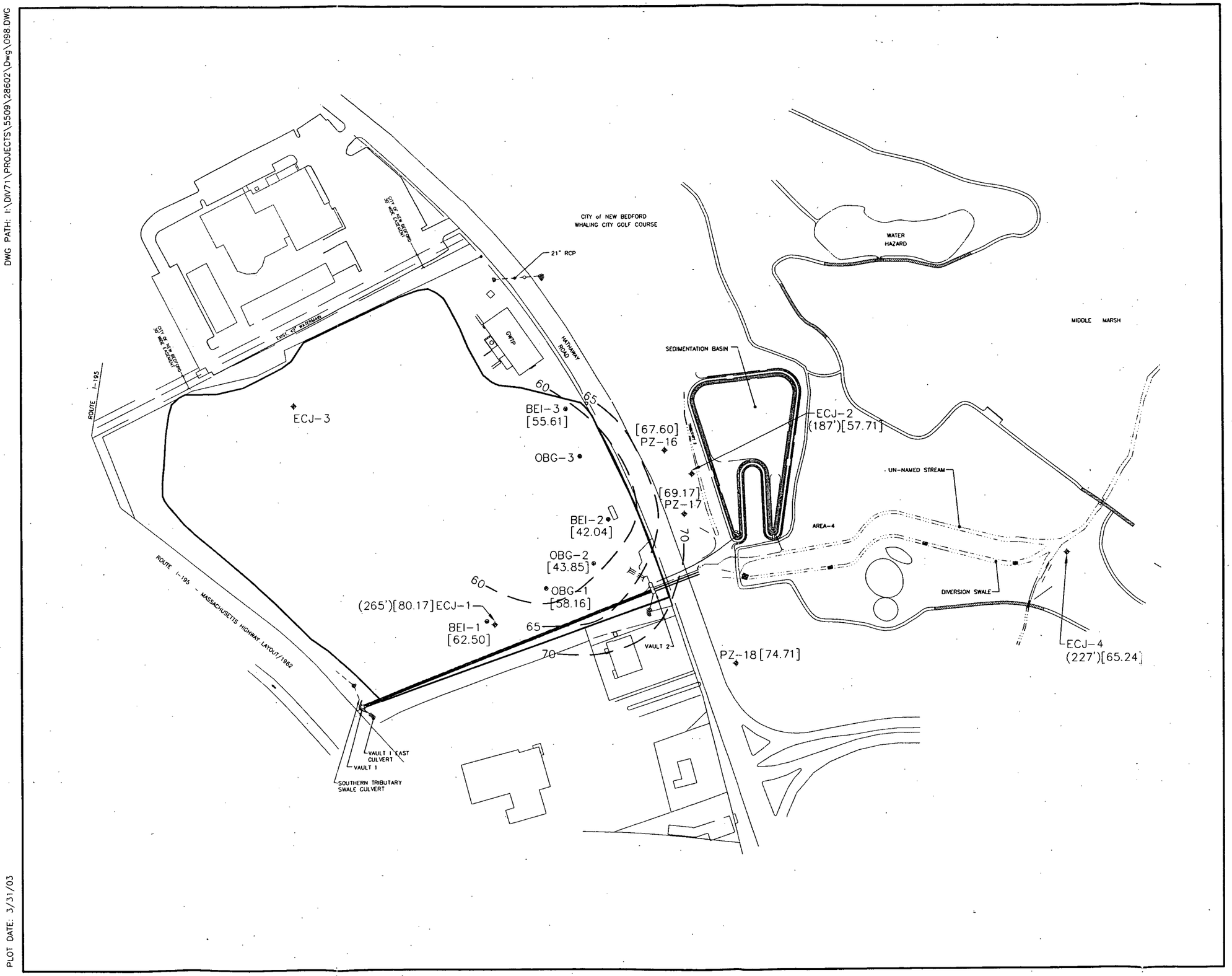
FILE NO. 5509.28602.097
MARCH 2003

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509\28602\Dwg\097.DWG

PLOT DATE: 3/31/03

FIGURE 8



LEGEND

- ECJ WELL LOCATION
- RECOVERY WELL LOCATION
- [58.16] GROUND WATER ELEVATION
- (265') ECJ MONITORING PORT DEPTH (FT.)
- 70 EQUIPOTENTIAL CONTOUR LINE (DASHED WHERE INFERRED)

ELEVATIONS IN FEET RELATIVE TO MEAN SEA LEVEL

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

DEEP BEDROCK GROUND WATER ELEVATION MAP DECEMBER 2002

200 0 200

SCALE IN FEET

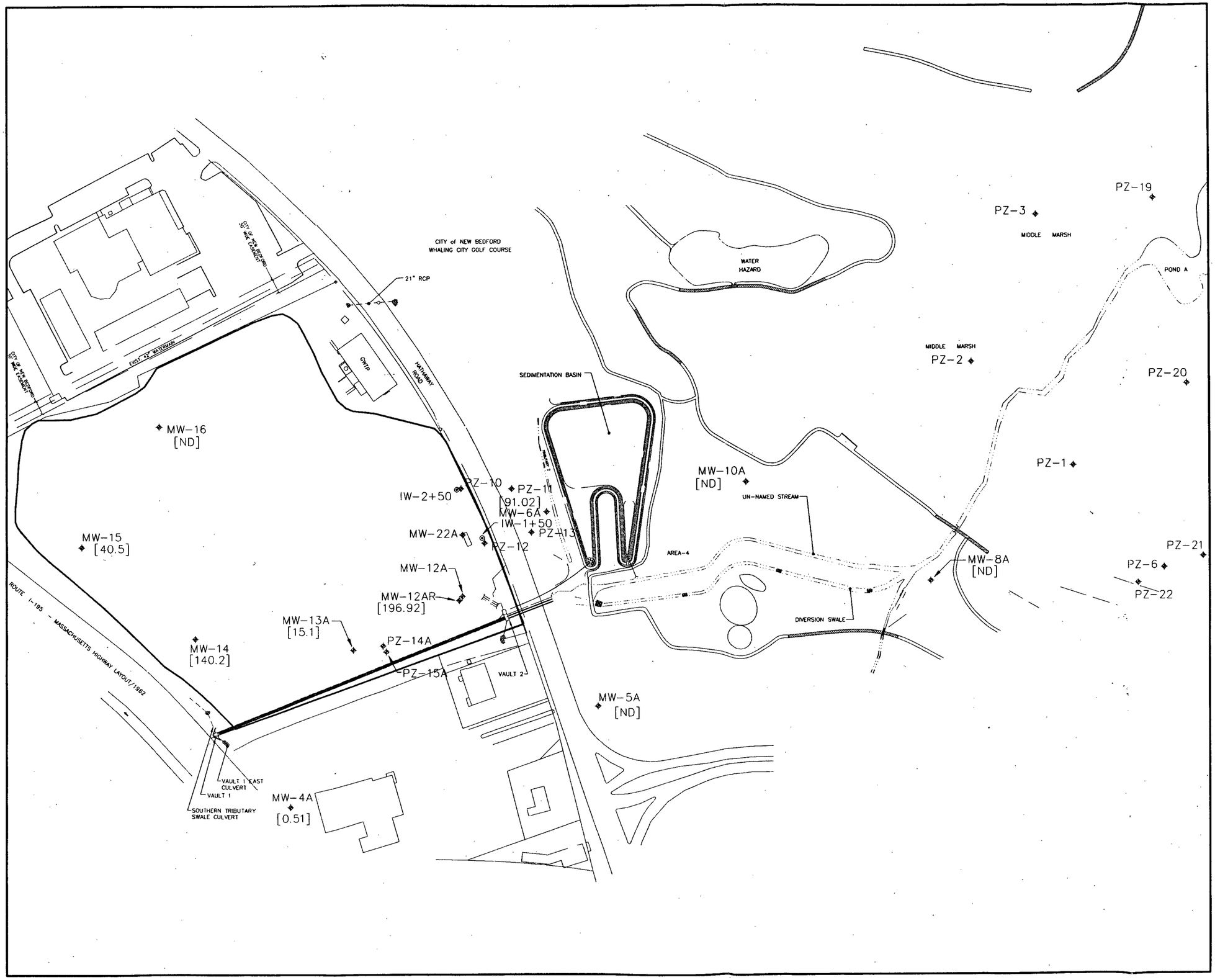
FILE NO. 5509.28602.098
MARCH 2003

O'BRIEN & GERE
ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509\28602\Dwg\098.DWG

PLOT DATE: 3/31/03

FIGURE 9



LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- [40.5] TOTAL VOC CONCENTRATION (ug/L)

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

OVERBURDEN WELL TOTAL VOC CONCENTRATION MAP DECEMBER 2002

200 0 200

SCALE IN FEET

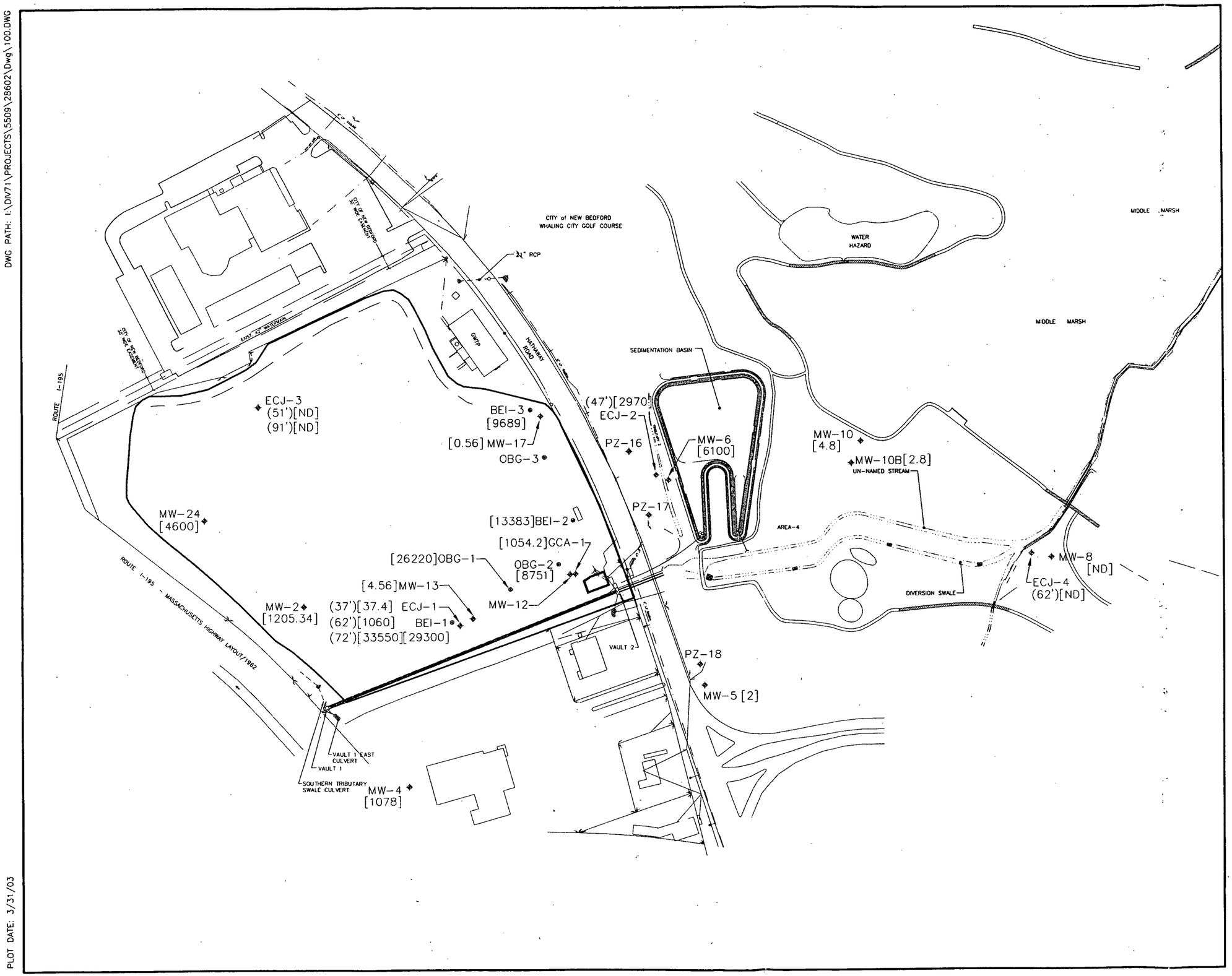
FILE NO. 5509.28602.099
MARCH 2003

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509\28602\Dwg\099.DWG

PLOT DATE: 3/31/03

FIGURE 10



LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- [1078] TOTAL VOC CONCENTRATION (ug/L)
- (51') ECJ MONITORING PORT DEPTH (FT.)

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

SHALLOW BEDROCK WELL TOTAL VOC CONCENTRATION MAP DECEMBER 2002

200 0 200
SCALE IN FEET

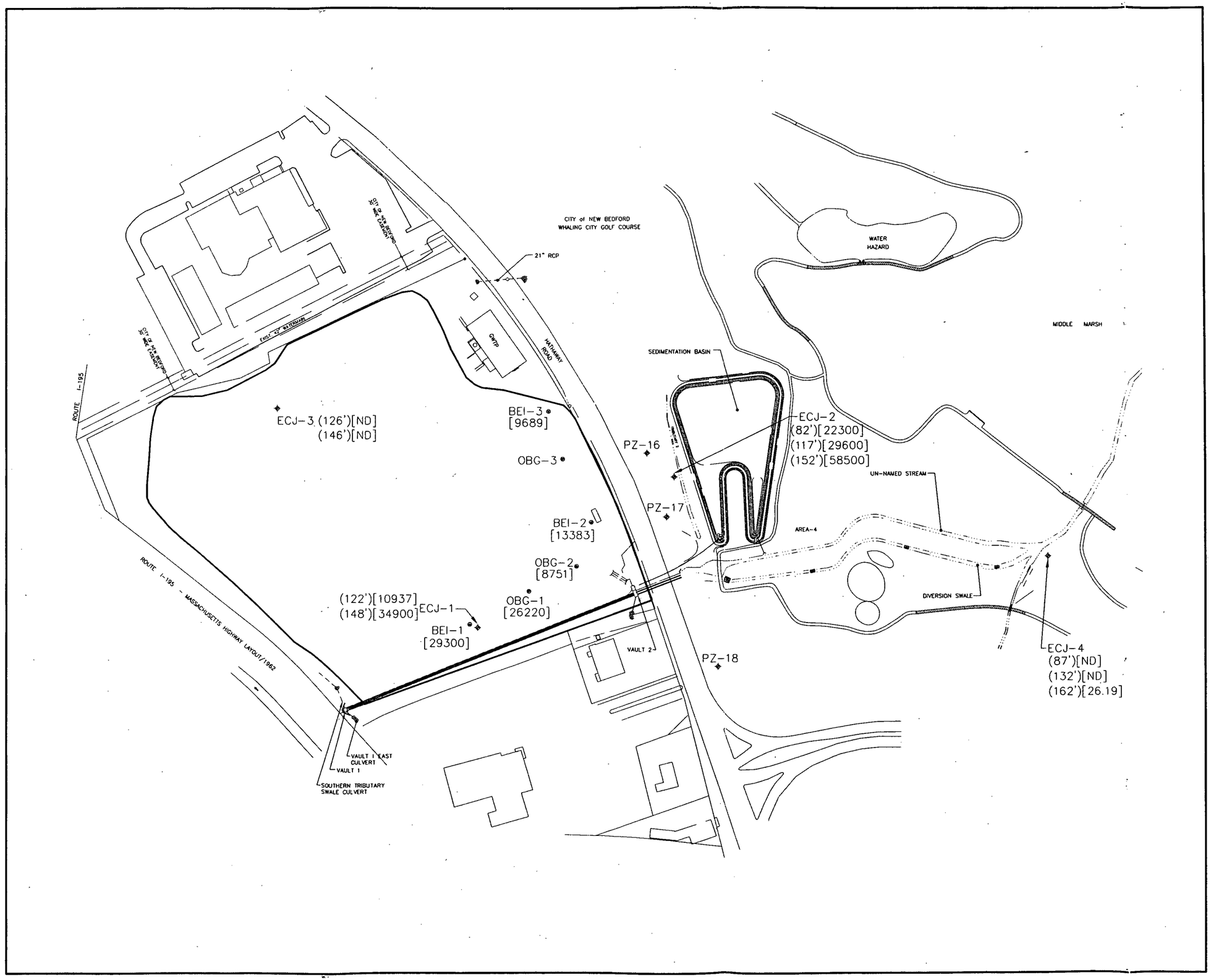
FILE NO. 5509.28602.100
MARCH 2003

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509\28602\Dwg\100.DWG

PLOT DATE: 3/31/03

FIGURE 11



LEGEND

- ECJ WELL LOCATION
- RECOVERY WELL LOCATION
- [9689] TOTAL VOC CONCENTRATION (ug/L)
- (82') ECJ MONITORING PORT DEPTH (FT.)

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

INTERMEDIATE BEDROCK WELL TOTAL VOC CONCENTRATION MAP DECEMBER 2002

200 0 200

SCALE IN FEET

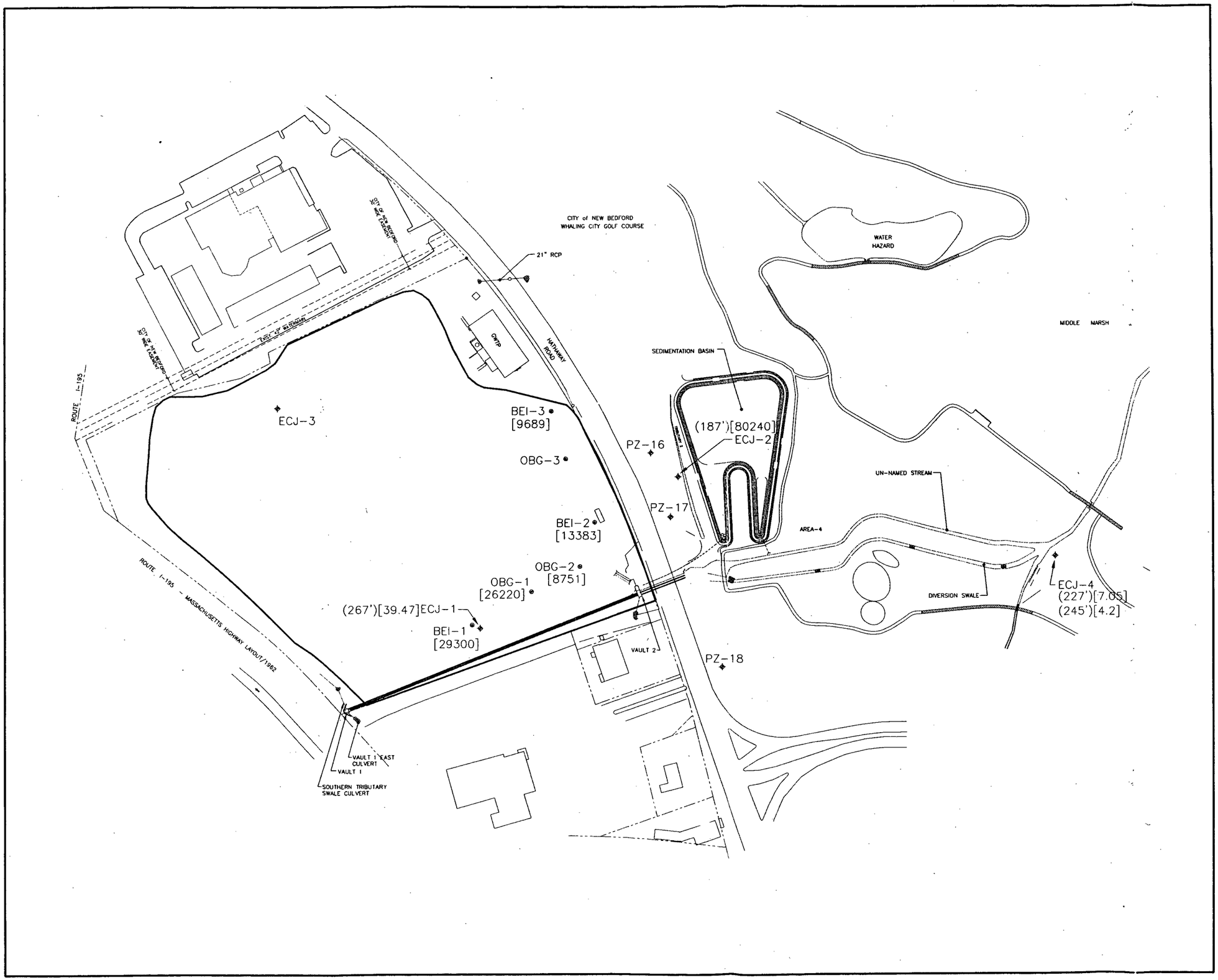
FILE NO. 5509.28602.101
MARCH 2003

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509\28602\Dwg\101.DWG

PLOT DATE: 3/31/03

FIGURE 12



LEGEND

- ECJ WELL LOCATION
- RECOVERY WELL LOCATION
- [9689] TOTAL VOC CONCENTRATION (ug/L)
- (187') ECJ MONITORING PORT DEPTH (FT.)

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

DEEP BEDROCK WELL TOTAL VOC CONCENTRATION MAP DECEMBER 2002

200 0 200

SCALE IN FEET

FILE NO. 5509.28602.102
MARCH 2003

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509\28602\Dwg\102.DWG

PLOT DATE: 3/31/03

Appendix A

Correspondence (February 11, 2002, June 5, 2002, November 13, 2002

February 11, 2002

VIA OVERNIGHT DELIVERY

Mr. David O. Lederer
Remedial Project Manager
Environmental Protection Agency (HBO)
Region 1
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Re: Sullivan's Ledge Superfund Site
2002 Ground Water Monitoring Program

File: 5509.005 #2

Dear Dave:

On behalf of the Sullivan's Ledge Site Group, and consistent with past discussions, O'Brien & Gere is submitting the following proposed sampling plan for the 2002 Groundwater Monitoring Program at the Sullivan's Ledge Superfund Site, which represents a revision of the 2001 program, and is based upon a review of the data from the 2001 program and the substantial data from past groundwater sampling programs at the site.

Paragraph V.C.2.of the Statement of Work (SOW) describes requirements for compliance groundwater monitoring. A baseline round of groundwater monitoring was conducted at the site in the winter of 1999 / 2000, to coincide with the start-up of the groundwater treatment plant. Rounds of groundwater sampling were also conducted in Spring 2001, Summer 2001, Fall 2001, and Winter 2001. Based on these and previous rounds of sampling, as well as data obtained during groundwater treatment plant start-up and operation, O'Brien & Gere is writing this letter to propose a revised groundwater sampling plan for three quarterly events beginning in March 2002 and the annual sampling event. This request is consistent with Paragraph V.C.2.h of the SOW, which states:

> *"On its own initiative or at the request of Settling Defendants, EPA, in consultation with DEP, may add or delete specific parameters, monitoring wells, or zones and may adjust monitoring frequencies and requirements for water level measurements, depending on sample results and observed trends."*

The proposed plan and rationale are presented in Attachment A. Elements of the proposed plan were discussed with EPA on May 12, 2000 and June 17, 2001, and have been presented in letters dated June 26, 2000 and May 18, 2001. In general, during the annual sampling event, 43 monitoring wells and 7 recovery points will be sampled for VOCs, PCBS, and 8 metals of environmental significance. In addition, during the annual sampling event, a composite influent sample to the GWTP will be sampled for SVOCs. During the quarterly events, a total of 17 monitoring wells and 7 recovery points will sampled. The monitoring wells will be sampled for VOCs (24 locations) and PCBs (5 locations). The 7 recovery points will be sampled for VOCs, PCBs, and 8 metals of environmental significance.

The following schedule is proposed for the program:

Quarterly Event	March 11 – 22, 2002
Quarterly Event	June 10 – 21, 2002
Quarterly Event	September 9 – 20, 2002
Annual Event	December 2 – 13, 2002

The events generally coincide with a quarterly schedule, with some allowance for holidays and winter. The annual event is scheduled for winter, consistent with the 1999 / 2000 baseline sampling event and the Winter 2001 sampling event, to facilitate historical comparisons.

Please contact me if you have any questions concerning this letter.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC

James R. Heckathorne, PE
Vice President

I:\DIV71\Projects\5509005\2_correspondence\LEDER06.doc
Attachment

cc: S. Wood, E. Vaughan, J. O'Loughlin, E. Bertaut, D. Dwight, G. Swenson, R. Connors

I. MONITORING WELLS

A. 2002 Annual Sampling Event

1. Overview

Table 1 presents monitoring wells and recovery systems to be sampled during the 2002 annual sampling event. The locations of these monitoring wells and recovery systems are shown on Figure 1. The program is discussed in greater detail below.

2. Overburden Monitoring Wells

As shown on Table 1, and consistent with the Statement of Work (SOW), all overburden monitoring wells will be sampled during the annual sampling event.

3. Bedrock Monitoring Wells

As shown on Table 1, and consistent with the Statement of Work (SOW), all bedrock monitoring wells will be sampled during the annual sampling event.

4. Westbay Multi-port Bedrock Monitoring Wells

As shown on Table 1, and consistent with the Statement of Work (SOW), all Westbay monitoring ports will be sampled during the annual sampling event.

5. Recovery Systems

As shown on Table 1, the six bedrock recovery wells and the shallow collection trench will be sampled during the annual sampling event.

6. Summary

Consistent with the Statement of Work, a total of 43 monitoring wells and 7 recovery points will be sampled during the 2002 annual sampling event.

B. 2002 Quarterly Sampling Events

1. Overview

Table 2 presents monitoring wells and recovery systems to be sampled during the 2002 quarterly sampling events. The locations of these monitoring wells and recovery systems are shown on Figure 2. The program is discussed in greater detail below.

2. Overburden Monitoring Wells

The SOW indicates that after the first four consecutive quarters, sampling of overburden monitoring wells shall be conducted annually. Although not required by the SOW, it is proposed that MW-6A, MW-14, and MW-15 be sampled during the quarterly events in 2002. As shown on Figure 2, MW-6A is immediately across Hathaway Road from the Disposal

Area, while MW-14 and MW-15 are on the upgradient periphery of the Disposal Area. Monitoring these peripheral wells during the quarterly events during 2002 is proposed as a conservative approach to monitor for changes or trends in groundwater quality at the margins of the Disposal Area.

3. Bedrock Monitoring Wells

As shown on Table 2, it is proposed that the following bedrock monitoring wells be sampled on a quarterly basis during 2002: GCA-1, MW-2, MW-6, and MW-24. GCA-1 is a downgradient Disposal Area well which has a significant historical database that may be useful to maintain. MW-6, MW-2 and MW-24 are in nests with MW-6A, MW-14, and MW-15, respectively, and are on the periphery of the Disposal Area. Monitoring these peripheral wells during the quarterly events during 2002 is proposed as a conservative approach to monitor for changes or trends in groundwater quality at the margins of the Disposal Area.

Bedrock monitoring wells MW-8, MW-10, and MW-10B are not proposed for quarterly sampling. These wells are considerably downgradient of the Disposal Area. As shown on Table 3, samples from these wells in Winter 1999 and during four consecutive quarters in 2001 were consistently either non-detect or in the low part per billion range (12.9 – 33.8 ug/l) for total VOCs. Sampling of these wells during annual events will be sufficient to track changes, if any. It should also be noted that overburden well MW-6A, bedrock well MW-6, and Westbay well ECJ-2 are between the Disposal Area and these wells, and will be sampled during the quarterly events. Similarly, MW-4 and MW-5 are not proposed for quarterly sampling. These wells are cross gradient of the Disposal Area, and have shown very consistent concentrations of VOCs over the last five sampling events, as shown on Table 3.

Bedrock monitoring wells MW-13, MW-16, and MW-17 are not proposed for quarterly sampling. MW-16 is on the extreme upgradient side of the Disposal Area; as shown on Table 3, total VOCs in this well have consistently been either non-detect or in the low part per billion range (0.62 – 5.1 ug/l). Similarly, the concentrations of total VOCs in MW-13 and MW-17 over the last four consecutive quarters have been low, ranging from 21.6 to 26 ug/l, and 1.2 to 28.8 ug/l, respectively. Sampling of these wells on a quarterly basis will be sufficient to track changes, if any.

4. Westbay Multi-port Bedrock Monitoring Wells

As shown on Table 2, it is proposed that the following Westbay ports be sampled during the quarterly events: ECJ-1 (37), ECJ-1 (62), ECJ-1 (72), ECJ-1 (122), ECJ-1 (148), ECJ-2 (47), ECJ-2 (82), ECJ-2 (117), ECJ-2 (152), and ECJ-2 (187). These ports are either on the Disposal Area, or are immediately downgradient of the Disposal Area.

The ports in Westbay well ECJ-3 are not proposed for quarterly sampling. Similar to MW-16, this well is on the extreme upgradient side of the site. As shown on Table 3, total VOCs in the ports in this well during the Winter 1999 baseline round and four quarterly rounds in 2001 have consistently been either non-detect or in the low part per billion range (0.64 – 15 ug/l). Sampling of the ports in this well during the annual events will be sufficient to track changes, if any.

The ports in Westbay well ECJ-4 are not proposed for quarterly sampling. Similar to MW-8, MW-10, and MW-10B, this well is considerably downgradient of the Disposal Area. As shown on Table 3, samples from the ports in this well in Winter 1999 and during four consecutive quarters in 2001 were consistently in the low part per billion range for total VOCs. Sampling of these wells during the annual events will be sufficient to track changes, if any. It should be noted that overburden well MW-6A, bedrock well MW-6, and Westbay well ECJ-2 are between the Disposal Area and this well, and will be sampled during the quarterly events.

Westbay port ECJ-1 (267) is not proposed for quarterly sampling. As shown on Table 3, this very deep port (approximately 120 ft deeper than the next deepest port in the well) has consistently had relatively low concentrations of total VOCs (37.5 to 160.5 ug/l). Over the past four quarters, the concentrations have been even more consistent, ranging from 37.5 to 52.5 ug/l, with a standard deviation less than 8 ug/l. Sampling of this port during annual events will be sufficient to track changes, if any.

5. Recovery Systems

As shown on Table 1, the six bedrock recovery wells and the shallow collection trench will be sampled during the quarterly sampling events.

6. Summary

The SOW would require that a total of 36 points (i.e., 35 monitoring points plus 1 recovery point) be sampled during quarterly events. The program described above requires that a total of 24 points be sampled (i.e., 17 monitoring points plus 7 recovery points). The proposed program represents a modest revision / re-allocation of sampling resources, based on data from five recent rounds (1999 / 2001) of groundwater sampling.

II. ANALYTICAL PROGRAM

A. Annual Program

1. VOCs

As shown on Table 1, and consistent with the SOW, during the annual program, all overburden wells, bedrock wells, Westbay wells, and recovery points will be analyzed for VOCs. Paragraph II.C.2, below, describes the proposed analytical method and constituents to be reported.

2. PCBs

As shown on Table 1, and consistent with the SOW, during the annual program, all overburden wells, bedrock wells, Westbay wells, and recovery points will be analyzed for PCBs. Paragraph II.C.3, below, describes the proposed method to be used for PCB analysis.

3. Metals

As shown on Table 1, and consistent with the SOW, during the annual program, all overburden wells, bedrock wells, Westbay wells, and recovery points will be analyzed for metals. Paragraph II.C.4, below, describes proposed analytical methods as well as the 8 metals proposed for analysis.

4. SVOCs

As described in Section V.C.2. of the 1990 SOW, ground water sampling for Semi-Volatile Organic Compounds (SVOCs) is to be performed annually in overburden wells and bedrock wells after the first year. However, data collected since 1990 indicates that this approach is overly conservative and will result in the generation of data that has little use. Specifically:

- As discussed in the EPA-approved Preliminary Design Report, SVOCs have historically been detected in site ground water infrequently and in relatively low concentrations. From 1985 to 1993, fifty-one wells were sampled for SVOCs on multiple occasions, and of those wells sampled, results indicated that only five compounds were detected above CLP contract required quantitation limits (CRQLs) in more than 5% of the samples. Also, SVOCs were detected in areas where locally higher VOC concentrations were detected.

- Results for SVOCs from the 1999 / 2000 baseline sampling event and the Spring 2001 sampling event are consistent with the results from previous rounds of sampling. As shown in Table 4, SVOCs from the 1999 / 2000 baseline sampling event and Spring 2001 sampling event continue to make-up only a small fraction of the total organic compound concentrations detected in monitoring wells.

- The six bedrock recovery wells and the shallow groundwater collection trench were sampled for SVOCs twice during GWTP start-up, and twice during post start-up operation, as shown on Table 5. Data from the four rounds of GWTP influent monitoring indicate a total SVOC concentration ranging from non-detect to 371 ug/L, well below New Bedford pretreatment standards. As shown on Table 5, SVOCs make up a small fraction of the total organic loading to the GWTP. The concentrations of SVOCs at the recovery points have also been remarkably consistent over time.

- As shown on Table 6, sample results for SVOCs in the effluent from the GWTP between the period December 1999 and December 2001 have been non-detect for 20 of the 36 samples collected. Fifteen of the sixteen detections ranged from 0.001 mg/l to 0.033 mg/l, and averaged 0.013 mg/l, and were at least two orders of magnitude below the Total Toxic Organic (TTO) discharge limitation of 2.0 mg/l. Even the anomalously high result of 0.150 mg/l in March 2001 was over an order of magnitude below the TTO discharge limitation of 2.0 mg/L.

Although analysis for SVOCs is not proposed for samples from monitoring wells, as a conservative approach, a composite influent sample at the GWTP will be analyzed for SVOCs during the 2002 annual event. As shown on Table 5, the concentrations of total SVOCs in the seven individual sources do not vary significantly, ranging from ND – 13.1

ug/l in BEI-3, to ND – 73 ug/l in the shallow collection trench, to 26 - 371 ug/l in OBG-2. A composite sample will provide adequate data to confirm that SVOCs make up a small fraction of the organic loading to the groundwater treatment plant. Paragraph II.C.5, below, describes proposed the proposed method to be used for SVOC analysis.

5. Summary

During the 2002 annual sampling event, and consistent with the SOW, groundwater samples from 43 monitoring points and 7 recovery points will be analyzed for VOCs, PCBs, and metals. In addition, a composite influent sample at the GWTP will be analyzed for SVOCs during the annual event.

B. Quarterly Program

1. VOCs

As shown on Table 2, all overburden wells, bedrock wells, Westbay wells, and recovery points selected for sampling will be sampled for VOCs during the quarterly events. Paragraph II.C.2, below, describes the proposed analytical method and constituents to be reported.

2. PCBs

As shown on Table 2, all recovery points will be sampled for PCBs during the annual events. In addition, during the quarterly events, the following overburden and bedrock wells will be sampled for PCBs: MW-14, MW-15, MW-24, MW-2, and MW-6A. As shown on Table 3, these are the only wells on the site periphery which exhibited detections of PCBs during the 1999 baseline sampling event or the four consecutive quarterly rounds conducted in 2001. Paragraph II.C.3, below, describes the proposed method to be used for PCB analysis.

As shown on Table 2, a several wells on the Disposal Area, which will be sampled for VOCs during the quarterly events, are not proposed for PCB analysis. These wells include GCA-1 and ECJ-1. Examination of Table 3 indicates that for a collective total of 32 samples from these wells over the last 5 sampling events, 20 have been non-detect for PCBs. As shown on Table 3, when detected, the concentrations of PCBs in these wells are typically many orders of magnitude lower than the concentration of VOCs. Moreover, when detected in these wells, PCB concentrations have been remarkably consistent (e.g., GCA-1, ECJ-1 (37)). As shown on Figure 1, GCA-1 and ECJ-1 are all on the Disposal Area, and up-gradient of groundwater recovery equipment. These wells are proposed for quarterly monitoring for VOCs and annual monitoring for PCBs. Repeated sampling of these wells for PCBs during the quarterly events will provide data of little or no value.

Similarly, as shown on Table 2, several wells outside the Disposal Area, which will be sampled for VOCs during the quarterly events, are not proposed for PCB analysis. These wells include MW-6 and ECJ-2. Since the baseline round in 1999, there have been a collective total of 27 samples from these wells – and PCBs have not been detected. These wells are proposed for quarterly monitoring for VOCs and annual monitoring for PCBs. Repeated sampling of these wells for PCBs during the quarterly events will provide data of little or no value.

3. Metals

As shown on Table 2, all recovery points will be sampled for metals during the quarterly events. Paragraph II.C.4, below, describes proposed analytical methods as well as the 8 metals proposed for analysis. Consistent with the SOW, overburden wells, bedrock wells, and Westbay wells will not be sampled for metals during the quarterly events.

4. SVOCs

Consistent with the SOW, overburden wells, bedrock wells, and Westbay wells will not be sampled for SVOCs during the quarterly events.

5. Summary

Consistent with the SOW, samples from all of the monitoring wells sampled during the quarterly events will be analyzed for VOCs. A total of 17 monitoring wells will be sampled. In addition, samples from 5 monitoring wells on the site periphery which have exhibited detections of PCBs will be analyzed for PCBs during the quarterly events. Finally, samples from 7 recovery points will be analyzed for VOCs, PCBs, and 8 metals during the quarterly events.

C. Analytical Methods and Parameters

1. Overview

The same analytical methods for VOCs, PCBs, metals, and SVOCs are proposed for the 2002 groundwater sampling program as were used during the 2001 program. However, in an effort to streamline data validation and management, it is proposed that the laboratory analyze for and report the results of all method 8260 B compounds, but that only the 13 compounds that have been detected at the site with a reasonable degree of consistency and frequency be validated and presented in the reports. Similarly, it is also proposed that analysis for metals be reduced from the full suite of 23 TAL metals to 8 metals of potential environmental significance that have been detected at the site with a reasonable degree of consistency and frequency. Details concerning the proposed analytical program are presented below.

2. VOCs

Consistent with the 2001 groundwater sampling program, VOCs will be analyzed by method 8260B. However, as discussed above, based on historical data as well as the results from the 1999 / 2000 baseline round and the four consecutive quarters of data in 2001, it is proposed that the list of VOCs to be validated and presented in the reports be limited to those constituents that have been frequently and consistently observed on-site. Specifically, it is proposed that the following constituents be validated and presented:

trichloroethene(1) (2)	benzene(1) (2)	xylene (ortho) (1)
1,2 dichloroethene (cis) (1) (2)	toluene(1)	1,4 dichlorobenzene
1,2 dichloroethene (trans) (1) (2)	ethyl benzene	naphthalene
vinyl chloride(1) (2)	xylene (meta) (1)	
chlorobenzene(1)	xylene (para) (1)	

The basis for this list and an explanation of the superscripted notes are presented below.

As shown on Tables 7-1, 7-2, 7-3, and 7-4, the VOCs listed in the first two columns were the only VOCs detected in more than 10% of the samples during any one of the four sampling events. Three other constituents (ortho-xylene, naphthalene, and 1,4 dichloro-benzene) were detected in just under 10% of the samples, and are included with the list as a conservative approach. As shown on Tables 8-1, 8-2, and 8-3, the above constituents have also been the more frequently detected constituents in the influent samples from the groundwater treatment plant.

It should be noted that the above list is more comprehensive than the list of VOC compounds selected as indicator parameters in the 1993 Ground Water Trend Analysis Report (i.e., benzene, toluene, xylene, chlorobenzene, tricholoethene, 1,2 dichloroethene, and vinyl chloride). These compounds are designated by note (1) in the table above. The remedial design was based on this small subset of indicator parameters. It is should also be noted that the 1989 RI Report indicated that an even smaller subset of constituents (i.e., vinyl chloride, trichloroethylene, 1,2-dichloroethene, benzene, and PCBs) represent over 99 percent of the total carcinogenic or non-carcinogenic baseline risks to human health associated with groundwater. These compounds are designated by note (2) above.

A total of 74 VOC compounds were validated and presented in the reports in 2001. Tables 7-1, 7-2, 7-3, and 7-4 indicate that no more than 27 VOC compounds were detected at over 40 monitoring wells during the four consecutive rounds of sampling conducted in 2001. To continuously validate, present, and manage data pertaining to approximately 47 compounds which have never been detected, and another 14 which are only detected in no more than 7% of the samples, is an inappropriate use of resources. The focused approach presented above will provide data which is just as meaningful for site management purposes, and which is much easier to comprehend and use.

3. PCBs

Consistent with the 2001 groundwater sampling program, PCBs will be analyzed by method 8082.

4. Metals

Consistent with the 2001 groundwater sampling program, metals will be analyzed by method 6010B / 7470A. For 2002, however, it is proposed that the following eight metals be analyzed:

aluminum(3)(4)	iron(4)
barium(3)(4)(5)	lead(4)(5)
chromium(3)(5)	vanadium(3)(5)
copper(3)(4)(5)	zinc(3)(5)

The basis for this list and an explanation of the superscripted notes are presented below.

As shown on Tables 9-1, 9-2, 9-3, and 9-4, during the four consecutive sampling rounds conducted in 2001, only the following metals were detected in more than 10% of the samples in any one of the four rounds:

Metals Detected In More than 10% of Samples

calcium	aluminum
iron	barium
magnesium	chromium
manganese	copper
potassium	vanadium
sodium	zinc

As shown on Tables 10-1, 10-2, and 10-3, these metals are also the more frequently detected metals in the influent to the groundwater treatment plant.

As discussed in the 1993 Ground Water Trend Analysis Report, some of these metals have been attributed to chemical weathering of feldspars (sodium, calcium, potassium) and other mafic silicates (magnesium, iron, manganese) These constituents are generally of little environmental significance (e.g., no MCP reportable concentrations or GW-1/GW-2/GW-3 standards) and are not considered useful to monitor. The constituents other than sodium, calcium, potassium, magnesium, iron, and manganese detected in more than 10% of the samples are designated by note (3) in the table above.

Aluminum, barium, copper, iron, and lead are referenced in Section V.A.2 of the SOW for purposes of assessing shallow collection trench groundwater quality. These constituents are designated with note (4) in the above table. Based on statistical analysis, barium, copper, chromium, lead, vanadium, and zinc were shown to display significant inter-well variability in the 1993 Ground Water Trend Analysis Report. These metals are designated by note (5) in the first table in this section.

It should be noted that during the design of the groundwater treatment plant, concern was raised concerning the presence of certain metals in the influent to the groundwater treatment plant, potentially in excess of City of New Bedford pretreatment requirements (e.g., lead and zinc). However, as shown on Table 3, influent samples from the shallow collection trench and six bedrock recovery wells have been collected on 5 or 6 occasions since groundwater

treatment plant start-up, and the concentration of metals in the influent have consistently been well below City of New Bedford pretreatment requirements.

5. SVOCs

Consistent with the 2001 groundwater sampling program, SVOCs will be analyzed by method 8270C.

12 AR Same ?

NO ~~No~~ DRY

10 AR bailer

Yes / No bailer

Table 1
Sullivan's Ledge Superfund Site
2002 Groundwater Sampling Program
Annual Event (1)

Sampling Point	Set	Analysis			
		VOCs(2)	PCBs	Metals (3)	SVOCs
Overburden Monitoring Wells - Inside Disposal Area					
MW-12A AR	A	X	X	X	
MW-13A	A	X	X	X	
MW-22A	A	X	X	X	
MW-14	B	X	X	X	
MW-15	B	X	X	X	
MW-16	B	X	X	X	
Overburden Monitoring Wells - Outside Disposal Area					
MW-04A	C	X	X	X	
MW-05A	C	X	X	X	
MW-06A	C	X	X	X	
MW-08A	D	X	X	X	
MW-10A	D	X	X	X	
Bedrock Monitoring Wells - Inside Disposal Area					
GCA-1	A	X	X	X	
MW-13	A	X	X	X	
MW-17	A	X	X	X	
MW-24	B	X	X	X	
MW-02	B	X	X	X	
Bedrock Monitoring Wells - Outside Disposal Area					
MW-04	C	X	X	X	
MW-05	C	X	X	X	
MW-06	C	X	X	X	
MW-08	D	X	X	X	
MW-10	D	X	X	X	
MW-10B	D	X	X	X	
Westbay Multiport Bedrock Monitoring Wells					
ECJ 1 - 37	A	X	X	X	
ECJ 1 - 62	A	X	X	X	
ECJ 1 - 72	A	X	X	X	
ECJ 1 - 122	A	X	X	X	
ECJ 1 -148	A	X	X	X	
ECJ 1 - 267	A	X	X	X	
ECJ 2 - 47	C	X	X	X	
ECJ 2 - 82	C	X	X	X	
ECJ 2 - 117	C	X	X	X	
ECJ 2 -152	C	X	X	X	
ECJ 2 - 187	C	X	X	X	
ECJ 3 - 51	B	X	X	X	
ECJ 3 - 91	B	X	X	X	
ECJ 3 - 126	B	X	X	X	
ECJ 3 - 146	B	X	X	X	
ECJ 4 - 62	D	X	X	X	
ECJ 4 - 87	D	X	X	X	
ECJ 4 - 132	D	X	X	X	
ECJ 4 - 162	D	X	X	X	
ECJ 4 - 227	D	X	X	X	
ECJ 4 - 245	D	X	X	X	
Groundwater Recovery Systems					
Shallow Collection Trench		X	X	X	
Bedrock Recovery Wells					
BEI - 1		X	X	X	
BEI - 2		X	X	X	
BEI - 3		X	X	X	
OBG - 1		X	X	X	
OBG - 2		X	X	X	
OBG - 3		X	X	X	
GWTP Composite					X
Summary					
Total Samples		50	50	50	1
QA/QC		5	5	5	0
Duplicate		5	5	5	0
MS		3	3	3	0
MSD		3	3	3	0
Total		66	66	66	1

Analytical Methods

VOCs SW5030/SW8260B	Total Metals	SW3010/6010B/7470A
PCBs SW3520/SW8082	SVOCs	SW3520/SW8270C

Notes

(1) = Proposed for December 2002
(2) = TCE, 1,2-DCE (cis and trans), vinyl chloride, chlorobenzene, benzene, toluene, ethyl benzene, xylene (o,m,p), 1,4-dichlorobenzene, and napthalene.
(3) = Aluminum, barium, chromium, copper, iron, lead, vanadium, and zinc

Prepared by Mabbett & Associates, Inc. for
O'Brien & Gere Engineers, Inc.

I:\71\5509005\2_corresLEDER06 Table 1 and 2.XLS

2/5/02

Table 2
Sullivan's Ledge Superfund Site
2002 Groundwater Sampling Program
Quarterly Events [1]

Sampling Point	Set	Analysis			
		VOCs[2]	PCBs	Metals [3]	SVOCs
Overburden Monitoring Wells - Inside Disposal Area					
MW-12A	A				
MW-13A	A				
MW-22A	A				
MW-14	B	X	X		
MW-15	B	X	X		
MW-16	B				
Overburden Monitoring Wells - Outside Disposal Area					
MW-04A	C				
MW-05A	C				
MW-06A	C	X	X		
MW-08A	D				
MW-10A	D				
Bedrock Monitoring Wells - Inside Disposal Area					
GCA-1	A	X			
MW-13	A				
MW-17	A				
MW-24	B	X	X		
MW-02	B	X	X		
Bedrock Monitoring Wells - Outside Disposal Area					
MW-04	C				
MW-05	C				
MW-06	C	X			
MW-08	D				
MW-10	D				
MW-10B	D				
Westbay Multiport Bedrock Monitoring Wells					
ECJ 1 - 37	A	X			
ECJ 1 - 62	A	X			
ECJ 1 - 72	A	X			
ECJ 1 - 122	A	X			
ECJ 1 -148	A	X			
ECJ 1 - 267	A				
ECJ 2 - 47	C	X			
ECJ 2 - 82	C	X			
ECJ 2 - 117	C	X			
ECJ 2 -152	C	X			
ECJ 2 - 187	C	X			
ECJ 3 - 51	B				
ECJ 3 - 91	B				
ECJ 3 - 126	B				
ECJ 3 - 146	B				
ECJ 4 - 62	D				
ECJ 4 - 87	D				
ECJ 4 - 132	D				
ECJ 4 - 162	D				
ECJ 4 - 227	D				
ECJ 4 - 245	D				
Groundwater Recovery Systems					
Shallow Collection Trench		X	X	X	
Bedrock Recovery Wells					
BEI - 1		X	X	X	
BEI - 2		X	X	X	
BEI - 3		X	X	X	
OBG - 1		X	X	X	
OBG - 2		X	X	X	
OBG - 3		X	X	X	
GWTP Composite					
Summary					
Total Samples		24	12	7	0
QA/QC		2	1	1	0
Duplicate		2	1	1	0
MS		1	1	1	0
MSD		1	1	1	0
Total		30	16	11	0

Analytical Methods

VOCs SW5030/SW8260B	Total Metals	SW3010/6010B/7470A
PCBs SW3520/SW8082	SVOCs	SW3520/SW8270C

Notes

(1) = Proposed for March 2002, June 2002, and September 2002
(2) = TCE, 1,2-DCE (cis and trans), vinyl chloride, chlorobenzene, benzene, toluene, ethyl benzene, xylene (o,m,p), 1,4-dichlorobenzene, and napthalene.
(3) = Aluminum, barium, chromium, copper, iron, lead, vanadium, and zinc

Prepared by Mabbett & Associates, Inc. for
O'Brien & Gere Engineers, Inc.

O'BRIEN & GERE
ENGINEERS, INC.

June 5, 2002

Mr. David O. Lederer
Remedial Project Manager
Environmental Protection Agency (HBO)
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Re: Sullivan's Ledge Superfund Site
2002 Groundwater Monitoring Program

File: 5509/28602 #2

Dear Mr. Lederer:

On behalf of the Sullivan's Ledge Site Group, O'Brien & Gere Engineers, Inc. is submitting this response to the agencies' comments on the proposed 2002 Ground Water Monitoring Program for the Sullivan's Ledge Superfund Site (Site) as presented in a letter dated February 11, 2002. The agency comments consist of a February 27, 2002 correspondence from Metcalf & Eddy (M&E) to USEPA, and a March 11, 2002 correspondence from MADEP to USEPA.

I. Responses to M&E Comments

Response to comment 1.: No response required.

Response to comment 2.: Compliance monitoring is discussed in detail in Section 2.1. of the Post-Construction Environmental Monitoring Plan (O'Brien & Gere, October 1996).

Response to comment 3.: It is likely that biodegradation is occurring at the site. However, natural attenuation was not selected as the remedy for this site. Therefore, an assessment of the occurrence of biodegradation and degree to which natural attenuation is occurring at the site is not warranted.

Response to comment 4.: The quarterly reports will be formatted similarly to the 2001 reports as requested. The annual reports will include contour maps showing VOC concentrations in the overburden and bedrock depth intervals, and will address trends in concentrations. Information pertaining to the ground water extraction and treatment system (i.e., monthly average flow rates and assessment of system operation) will be provided in a separate correspondence along with the monthly ground water treatment plant performance data that is supplied to the Group by the City of New Bedford.

Response to comment 5.: After two years of monitoring have been completed, an assessment will be made regarding the optimal time of year to perform the annual sampling event. We do not have enough data to ascertain which time of year will exhibit the highest concentrations of VOCs (i.e., worst case conditions). Until then, the annual sampling event will be performed in December for consistency.

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

Response to comment 6.: Monitoring well MW-12 is not included in the quarterly or annual sampling events. Shallow bedrock wells MW-12 and GCA-1 are in close proximity to each other. Monitoring well GCA-1 is included in the quarterly and annual sampling events. Data collected from GCA-1 will be sufficient to provide adequate concentration and elevation information.

Response to comment 7.: Westbay monitoring ports (except for damaged ports) will be sampled.

Response to comment 8.: Information pertaining to the ground water extraction and treatment system (i.e., monthly average flow rates and assessment of system operation) will be provided in a separate correspondence along with the monthly ground water treatment plant performance data. Samples will be obtained from the shallow collection trench as part of the quarterly and annual sampling events. The data obtained from the shallow collection trench reflects concentrations in the overburden ground water (i.e., ground water collected by the interim recovery wells.) Therefore, collection of samples from each of the individual interim recovery wells is not warranted.

Response to comment 9.: Samples from each extraction well, ECJ-2, and the collection trench will be analyzed for SVOCs during the annual sampling event.

Response to comment 10.: The analytical results of the full list of VOCs and 23 metals will be reported as part of the annual sampling event so that a comparison to historical data may be made. Analysis of the full list of VOCs and 23 metals on a quarterly basis may be warranted as the site concentrations approach Cleanup Standards. At that time, an evaluation will be made regarding adding these parameters to the monitoring program.

II. Responses to MADEP Comments

Response to comment 1.: Monitoring well MW-4 will be sampled during the quarterly and annual 2002 ground water sampling events. Samples will be analyzed quarterly for the select list of VOCs, and annually for the full list of VOCs, PCBs, and the 23 metals.

Response to comment 2.: The analytical results (including VOCs) will be presented in tables in the quarterly and annual reports. The annual report will also contain contour maps showing VOC concentrations in the overburden and bedrock depth intervals.

Please call me if you have any questions regarding this letter.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

James R. Heckathorne, P.E.
Vice President

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cc: S. Wood - PMC
E. Bertaut - PMC
B. Connors - PMC
E. Vaughan - MADEP
D. Dwight – Metcalf & Eddy
J. Shanahan – OBG

O'BRIEN & GERE
ENGINEERS, INC.

November 13, 2002

Mr. David O. Lederer
Remedial Project Manager
Environmental Protection Agency (HBO)
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Re: Sullivan's Ledge Superfund Site
Sampling Notification

File: 5509/28602 #2

Dear Mr. Lederer:

Pursuant to Paragraph 24 of the Consent Decree for the Sullivan's Ledge Landfill Superfund Site, this provides notification that the winter 2002 ground water sampling event will be performed during the week of December 2, 2002.

The samples will be obtained and analyzed in accordance with the ground water sampling plan that was submitted to USEPA on February 11, 2002 as modified by the June 5, 2002 letter to USEPA that addressed the agencies' comments regarding the 2002 ground water monitoring program. This sampling event is the "annual" event. We have attached a summary of the samples to be collected and the respective analyses for this annual event.

Please feel free to call me if you should have any questions.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

James R. Heckathorne, P.E.
Vice President

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cc: S. Wood - PMC
E. Bertaut - PMC
B. Connors - PMC
E. Vaughan - MADEP
D. Dwight – Metcalf & Eddy
J. Shanahan – OBG

Table 1
Sullivan's Ledge Superfund Site
2002 Groundwater Sampling Program
Annual Event (1)

Sampling Point	Set	Analysis			
		VOCs(2)	PCBs	Metals (3)	SVOCs
Overburden Monitoring Wells - Inside Disposal Area					
MW-12A	A	X	X	X	
MW-13A	A	X	X	X	
MW-22A	A	X	X	X	
MW-14	B	X	X	X	
MW-15	B	X	X	X	
MW-16	B	X	X	X	
Overburden Monitoring Wells - Outside Disposal Area					
MW-04A	C	X	X	X	
MW-05A	C	X	X	X	
MW-06A	C	X	X	X	
MW-08A	D	X	X	X	
MW-10A	D	X	X	X	
Bedrock Monitoring Wells - Inside Disposal Area					
GCA-1	A	X	X	X	
MW-13	A	X	X	X	
MW-17	A	X	X	X	
MW-24	B	X	X	X	
MW-02	B	X	X	X	
Bedrock Monitoring Wells - Outside Disposal Area					
MW-04	C	X	X	X	
MW-05	C	X	X	X	
MW-06	C	X	X	X	
MW-08	D	X	X	X	
MW-10	D	X	X	X	
MW-10B	D	X	X	X	
Westbay Multiport Bedrock Monitoring Wells					
ECJ 1 - 37	A	X	X	X	
ECJ 1 - 62	A	X	X	X	
ECJ 1 - 72	A	X	X	X	
ECJ 1 - 122	A	X	X	X	
ECJ 1 -148	A	X	X	X	
ECJ 1 - 267	A	X	X	X	
ECJ 2 - 47	C	X	X	X	X
ECJ 2 - 82	C	X	X	X	X
ECJ 2 - 117	C	X	X	X	X
ECJ 2 -152	C	X	X	X	X
ECJ 2 - 187	C	X	X	X	X
ECJ 3 - 51	B	X	X	X	
ECJ 3 - 91	B	X	X	X	
ECJ 3 - 126	B	X	X	X	
ECJ 3 - 146	B	X	X	X	
ECJ 4 - 62	D	X	X	X	
ECJ 4 - 87	D	X	X	X	
ECJ 4 - 132	D	X	X	X	
ECJ 4 - 162	D	X	X	X	
ECJ 4 - 227	D	X	X	X	
ECJ 4 - 245	D	X	X	X	
Groundwater Recovery Systems					
Shallow Collection Trench		X	X	X	X
Bedrock Recovery Wells					
BEI - 1		X	X	X	X
BEI - 2		X	X	X	X
BEI - 3		X	X	X	X
OBG - 1		X	X	X	X
OBG - 2		X	X	X	X
OBG - 3		X	X	X	X
GWTP Composite					X
Summary					
Total Samples		50	50	50	1
QA/QC		5	5	5	0
Duplicate		5	5	5	0
MS		3	3	3	0
MSD		3	3	3	0
Total		66	66	66	1

Analytical Methods

VOCs SW5030/SW8260B	Total Metals	SW/3010/6010B/7470A
PCBs SW3520/SW8082	SVOCs	SW3520/SW8270C

Notes

(1) = Proposed for December 2002
(2) = Full list of VOCs
(3) = Full list of 23 metals
(4) = Ground water elevations will be obtained from all monitoring wells

Appendix B

Ground Water Elevation Data

Mabbett & Associates, Inc.
Environmental Consultants & Engineers

5 Alfred Circle
Bedford, Massachusetts
01730-2346
Tel: (781) 275-6050
Fax: (781) 275-5651
info@mabbett.com
www.mabbett.com

December 26, 2002

Mr. James Heckathorne, P.E.
Vice President
O'Brien & Gere Engineers, Inc.
P.O. Box 4873
Syracuse, NY 13221

Re: Sullivan's Ledge Superfund Site Groundwater Elevation Data
O'Brien & Gere Engineers, Inc.
Syracuse, NY
Project No. 2000015.008

Dear Jim:

Mabbett & Associates, Inc. (M&A) collected groundwater elevation data at the Sullivan's Ledge Superfund Site at the conventional monitoring wells, Westbay wells, and recovery points on December 13, 2002.

At the time of elevation data collection, groundwater extraction rates were approximately as follows:

Recovery Well	Recovery Rate (gpm)
BEI-1	1.59
BEI-2	0.72
BEI-3	1.52
OBG-1	1.35
OBG-2	2.65
OBG-3	Not in Operation

Treatment plant operators reported the plant had been running continuously since approximately December 4, 2002 after a period of being shutdown over the Thanksgiving holiday. As noted above, OBG-3 was not in operation at the time of groundwater elevation data collection.

Measured depths to groundwater for the conventional wells and the corresponding calculated groundwater elevations are shown on Table 1. Measurements and calculations for the Westbay wells are provided on Table 2. Groundwater elevations for recovery points are provided on Table 3. Groundwater elevations were calculated using survey information provided by HLA on August 10, 2001 and October 25, 2001. An equipment failure on December 13, 2002 prevented pressure readings being taken from the top two ports of Westbay Well ECJ-2.

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Serving the Environmental, Health and Safety Needs of Industry, Commercial Enterprise and Public Agencies™

We appreciate the opportunity to continue to support OBG's efforts to serve the Sullivan's Ledge Site Group Please call me or Jacqueline Doull if we can provide you any further information, or if you have any questions concerning the collected data.

Very truly yours,

MABBETT & ASSOCIATES, INC.

BY:

Paul D. Steinberg, P.E., LSP
Director of Site Assessment and Remediation

for Jacqueline A. Doull
Environmental Scientist

PDS/tw

Enclosures: Table 1 – Groundwater Elevations – Conventional Wells
Table 2 – Westbay Well Groundwater Elevations
Table 3 – Groundwater Elevations – Recovery Points

cc: G. Swenson
PDS, JAD (MF/RF)

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5 Alfred Circle, Bedford, Massachusetts 01730-2346 • Tel: (781) 275-6050 • Fax: (781) 275-5651 • info@mabbett.com • www.mabbett.com

Table 1
Sullivan's Ledge Superfund Site
Groundwater Elevations - Conventional Wells
December 13, 2002

Well	Top of Casing Elevation	Reference Point	Source	Depth to Water	Date	Groundwater Elevation	Notes
GCA-1	84.06	Plastic Cap	SITEC 08/10/01	14.50	12/13/2002	69.56	(1)
MW-2	101.81	Plastic Cap	SITEC 08/10/01	18.30	12/13/2002	83.51	(1)
MW-4	90.17	Top pipe	SITEC 08/10/01	8.21	12/13/2002	81.96	
MW-4A	90.10	Top of PVC	SITEC 08/10/01	7.60	12/13/2002	82.50	
MW-5	82.79	Top pipe	SITEC 08/10/01	7.95	12/13/2002	74.84	
MW-5A	82.30	Top of PVC	SITEC 08/10/01	7.40	12/13/2002	74.90	
MW-6	73.81	Top pipe	SITEC 08/10/01	5.20	12/13/2002	68.61	
MW-6A	73.54	Top of PVC	SITEC 08/10/01	4.98	12/13/2002	68.56	
MW-7A	66.91	Top of PVC	SITEC 08/10/01				(3)
MW-8	69.97	Top pipe	SITEC 08/10/01	2.88	12/13/2002	67.09	
MW-8A	70.00	Top of PVC	SITEC 08/10/01	3.54	12/13/2002	66.46	
MW-9A	66.53	Top of PVC	SITEC 08/10/01			66.53	(3)
MW-10	68.20	Top pipe	SITEC 08/10/01	1.40	12/13/2002	66.80	
MW-10A	70.54	Top of PVC	SITEC 08/10/01	4.23	12/13/2002	66.31	
MW-10B	68.35	Top pipe	SITEC 08/10/01	1.60	12/13/2002	66.75	
MW-12	83.91	Top of PVC	SITEC 08/10/01				(2)
MW-12A	84.15	Top of PVC	SITEC 08/10/01	13.25	12/13/2002	70.90	
MW-12AR	85.04	Top of PVC	SITEC 08/10/01		12/13/2002		(4)
MW-13	89.49	Plastic Cap	SITEC 08/10/01	16.16	12/13/2002	73.33	(1)
MW-13A	89.48	Top of PVC	SITEC 08/10/01	16.15	12/13/2002	73.33	
MW-14	101.46	Top of PVC	SITEC 08/10/01	17.75	12/13/2002	83.71	
MW-15	112.31	Top of PVC	SITEC 08/10/01	20.80	12/13/2002	91.51	
MW-16	120.55	Top of PVC	SITEC 08/10/01	20.91	12/13/2002	99.64	
MW-17	92.56	Top of PVC	SITEC 08/10/01	19.18	12/13/2002	73.38	
MW-22A	85.00	Top of PVC	SITEC 08/10/01	well dry	12/13/2002		
MW-24	112.23	Plastic Cap	SITEC 08/10/01	19.20	12/13/2002	93.03	(1)
PZ-1	66.73	Top of PVC	SITEC 08/10/01		12/13/2002		(3)
PZ-2	65.91	Top of PVC	SITEC 08/10/01	3.01	12/13/2002	62.90	
PZ-3	65.91	Top of PVC	SITEC 08/10/01	3.89	12/13/2002	65.91	
PZ-5/WP-5	67.01	Top of PVC	SITEC 08/10/01				(3)
PZ-6	68.06	Top of PVC	SITEC 08/10/01	4.85	12/13/2002	63.21	
PZ-10	85.72	Top of PVC	SITEC 08/10/01	15.96	12/13/2002	69.76	
PZ-11	73.79	Top of PVC	SITEC 08/10/01	3.76	12/13/2002	70.03	
PZ-12	82.46	Top of PVC	SITEC 08/10/01	13.93	12/13/2002	68.53	
PZ-13	73.28	Top of PVC	SITEC 08/10/01	3.45	12/13/2002	69.83	
PZ-West (14A)	86.73	Top of PVC	SITEC 08/10/01	11.55	12/13/2002	75.18	
PZ-East (15A)	85.98	Top of PVC	SITEC 08/10/01	10.20	12/13/2002	75.78	
PZ-16 (Shal)				4.85	12/13/2002		(5)
PZ-16 (Inter)				6.50	12/13/2002		(5)
PZ-16 (Deep)				6.25	12/13/2002		(5)
PZ-17 (Shal)				3.80	12/13/2002		(5)
PZ-17 (Inter)				3.65	12/13/2002		(5)
PZ-17 (Deep)				5.18	12/13/2002		(5)
PZ-18 (Shal)				8.21	12/13/2002		(5)
PZ-18 (Inter)				8.60	12/13/2002		(5)
PZ-18 (Deep)				8.20	12/13/2002		(5)
PZ-19	64.89	Top of PVC	HLA 10/25/01				(3)
PZ-20	65.38	Top of PVC	HLA 10/25/01				(3)
PZ-21	65.48	Top of PVC	HLA 10/25/01	2.70	12/13/2002	62.78	
PZ-22	67.38	Top of PVC	HLA 10/25/01	3.40	12/13/2002	63.98	

Notes:
1. Survey elevation is top of PVC cap associated with low flow equipment; depth to groundwater is from top of casing. As a result, actual groundwater elevation is 0.05 to 0.01 ft lower than shown.
2. No DTW measurement taken. Installed tubing prevents measurement.
3. No measurement taken.
4. Probe hits installed pump at 13.10 feet
5. Top of casing not surveyed.

Table 2
Sullivan's Ledge Superfund Site
Westbay Well Groundwater Elevations
December 13, 2002

Well	Date	Depth Log (ft)	Depth Cable (ft)	P_i (psi)[1]	P_o (psi)[1]	ΔH (ft)	D_{MP} (ft)[1]	D_z (ft)	E_{MP} (ft)[2]	PL (ft)[3]
ECJ-1	12/13/2002	35	41	18.83	24.71	13.56	33.31	19.75	89.81	70.06
ECJ-1	12/13/2002	60	66	29.74	34.86	11.81	33.31	21.50	89.81	68.31
ECJ-1	12/13/2002	70	76	34.09	34.40	0.72	33.31	32.59	89.81	57.22
ECJ-1	12/13/2002	120	126	55.93	55.86	-0.16	33.31	33.47	89.81	56.34
ECJ-1	12/13/2002	145	151	66.78	70.62	8.86	33.31	24.45	89.81	65.36
ECJ-1	12/13/2002	265	271	119.06	129.32	23.67	33.31	9.64	89.81	80.17
ECJ-2	12/13/2002	47	47	(4)	(4)	(4)	(4)	(4)	72.31	(4)
ECJ-2	12/13/2002	82	82	(4)	(4)	(4)	(4)	(4)	72.31	(4)
ECJ-2	12/13/2002	117	117	60.60	63.38	6.41	16.10	9.69	72.31	62.62
ECJ-2	12/13/2002	152	152	75.75	76.41	1.52	16.10	14.58	72.31	57.73
ECJ-2	12/13/2002	187	187	89.62	90.27	1.50	16.10	14.60	72.31	57.71
ECJ-3	12/13/2002	51	63	16.17	30.08	32.09	61.42	29.33	120.74	91.41
ECJ-3	12/13/2002	91	103	33.67	47.42	31.72	61.42	29.70	120.74	91.04
ECJ-3	12/13/2002	126	138	48.90	62.61	31.63	61.42	29.79	120.74	90.95
ECJ-3	12/13/2002	146	158	57.62	71.20	31.33	61.42	30.09	120.74	90.65
ECJ-4	12/13/2002	62	62	30.55	46.08	35.82	22.90	-12.92	70.59	83.51
ECJ-4	12/13/2002	87	87	43.64	51.41	17.92	22.90	4.98	70.59	65.61
ECJ-4	12/13/2002	132	132	63.26	71.08	18.04	22.90	4.86	70.59	65.73
ECJ-4	12/13/2002	162	162	76.28	84.04	17.90	22.90	5.00	70.59	65.59
ECJ-4	12/13/2002	227	227	104.33	111.94	17.55	22.90	5.35	70.59	65.24
ECJ-4	12/13/2002	247	247	110.73	165.38	126.07	22.90	-103.17	70.59	173.76

Notes:

1. Measured by Mabbett & Associates.
2. Top of casing provided by HLA on August 10, 2001.
3. Calculated by Mabbett & Associates, Inc. based on procedure provided by Westbay.
4. Equipment failure on 12/13/02 prevented measurements being taken at the top ports.

P_i = Pressure reading inside measuring port casing
P_o = Pressure reading outside measuring port casing
$\Delta H = (P_o - P_i)/w$ w=0.4335 psi/ft
D_{MP} = Depth to water inside monitoring port casing (below top of monitoring port)
D_z = Depth to static level for monitoring zone = $D_{MP} - \Delta H$
E_{MP} = Elevation of measuring port casing
PL = piezometric level = $E_{MP} - D_z$
NS = Readings not stable.

Table 3
Sullivan's Ledge Superfund Site
Groundwater Elevations - Recovery Points
December 13, 2002

Recovery Point	Top of Casing Elevation	Reference Point	Source	Depth to Water	Date	Groundwater Elevation	Notes
BEI-1	91.40	Top Cover	SITEC 08/10/01	28.90	12/13/2002	62.50	(1)
OBG-1	88.96	Top Cover	SITEC 08/10/01	30.80	12/13/2002	58.16	(1)
OBG-2	85.65	Top Cover	SITEC 08/10/01	41.80	12/13/2002	43.85	(1)
BEI-2	88.06	Top Cover	SITEC 08/10/01	46.02	12/13/2002	42.04	(1)
OBG-3	90.56	Top Cover	SITEC 08/10/01	23.30	12/13/2002	67.26	(2)
BEI-3	92.71	Top Cover	SITEC 08/10/01	37.10	12/13/2002	55.61	(1)
SCTPS	86.02	Top, East Side	SITEC 05/10/99	21.70	12/13/2002	64.32	(3)
IW-E	84.32	Top of Casing	SITEC 08/10/01	19.55	12/13/2002	64.77	
IW-W	88.79	Top of Casing	SITEC 08/10/01	19.15	12/13/2002	69.64	

Notes:
1. Survey elevation is top of cover; depth to groundwater is from top of casing.
   As a result, actual groundwater elevation is 0.05 to 0.01 ft lower than shown.

2. Recovery well OBG-3 was not in operation at the time of groundwater elevation data collection.

3. SCTPS = Shallow Collection Trench Pump Station

Appendix C

Conventional Low-flow Ground Water Sampling Logs, Instrument Calibration Logs, and Chain of Custodies

Low Flow Ground Water Sampling Log

Date	12/11/02	Personnel	JAD/SSS	Weather	Overcast '30's
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-24
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015-009

Well information:

Depth of Well * _____ ft.

Depth to Water * 19.15 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [ ] Top of Well Casing
- [x] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	19.30	11.24	6.68	957	-100.7	2.24	30.8	150
5	19.30	11.73	6.65	880	-107.6	2.84	64.8	150
10	19.30	11.84	6.57	821	-95.7	2.72	65.5	150
15	19.33	11.88	6.52	803	-87.9	3.42	62.2	150
20	19.42	11.89	6.50	799	-85.2	3.25	55.7	150
25	19.42	11.99	6.52	797	-87.1	2.05	56.5	150
30	19.42	11.71	6.52	796	-87.2	1.87	53.1	150
35	19.42	11.77	6.52	798	-87.4	2.20	53.2	150
40	19.42	11.77	6.52	797	-86.8	2.57	56.6	150
45	19.42	11.74	6.51	795	-85.4	2.36	55.4	150
50	19.42	11.77	6.49	792	-84.2	2.33	53.4	150

Water sample:

Time collected: 14:30

Total volume of purged water removed: 4 gallons

Physical appearance at start
- Color: clear/light brown
- Odor: slight organic/irony
- Sheen/Free Product: none

Physical appearance at sampling
- Color: clear/light brown
- Odor: none
- Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	~~Container pH~~
1 litre	Amber	2	N	None	PCB's
500ml	Plastic	1	N	HNO3	Metals
40ml	Vial	2	N	HCL	VOC's

Notes:

Low Flow Ground Water Sampling Log

Date	12/2/02	Personnel	CLM / JAD	Weather	Overcast, 40's
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-16
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well Information:

Depth of Well * _____ ft.

Depth to Water * 20.90 ft.

Length of Water Column _____ ft.

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

calibration check 10 = 9.90 reading ok

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Start 16:35

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	20.95	12.17	6.07	761	-61.6	0.28	0.05	75
5	21.00	14.13	6.15	782	-76.8	0.19	0.0	350
10	21.00	13.85	6.15	775	-81.5	0.52	0.0	300
15	21.02	13.83	6.15	776	-87.7	0.38	0.0	250
20	20.97	13.24	6.15	765	-89.8	0.36	0.0	200
25	20.97	13.86	6.15	776	-94.1	0.30	0.0	200
30	20.97	13.05	6.16	761	-91.3	0.76	0.0	200
35	20.97	12.78	6.15	756	-88.5	0.64	0.0	200
40	20.97	12.83	6.15	757	-93.0	0.52	0.0	200
45	20.97	12.97	6.15	760	-96.9	0.39	0.0	200
50	20.97	13.33	6.15	766	-103.9	0.34	0.0	200
55	20.97	13.55	6.15	770	-106.8	0.30	0.0	200
60	20.97	13.65	6.15	773	-109.1	0.29	0.0	200
65	20.97	13.77	6.16	776	-110.3	0.24	0.0	200

Water sample:

Time collected: 16:30

Total volume of purged water removed: 3 gallons

Physical appearance at start
- Color: clear
- Odor: none
- Sheen/Free Product: none

Physical appearance at sampling
- Color: clear
- Odor: none
- Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	~~Container pH~~
1 litre	Amber	2	N	None	PCB's
250mL	Plastic	1	N	HNO3	Metals
40mL	Vial	2	N	HCL	VOC's

Notes:

Low Flow Ground Water Sampling Log

Date	12/16/02	Personnel	CLM/JAD	Weather	30's Rainy
Site Name	Sullivan's	Evacuation Method	Bladder Pump	Well #	MW-15
Site Location	New Bedford	Sampling Method	Low Flow	Project #	20000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 19.90 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [x] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	19.91	11.42	6.56	985	-101.2	1.56	5.89	175
5	19.91	10.88	6.59	987	-123.6	1.08	3.50	175
10	19.91	10.10	6.59	986	-128.3	0.67	1.65	175
15	19.91	11.00	6.59	986	-131.9	0.46	1.20	175
20	19.91	10.93	6.59	987	-136.6	0.26	1.13	175
25	19.92	10.89	6.59	986	-139.7	0.19	0.91	175
30	19.92	10.91	6.59	988	-14.8	0.17	0.72	175
35	19.92	10.90	6.59	987	-143.5	0.17	0.58	175
40	19.92	10.89	6.59	987	-144.6	0.16	0.79	175

Water sample:

Time collected: 10:15

Total volume of purged water removed: 3 gallons

Physical appearance at start
- Color: clear
- Odor: none
- Sheen/Free Product: none

Physical appearance at sampling
- Color: clear
- Odor: none
- Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	~~Container ph~~ Analysis
1 litre	Amber	4	N	None	PCB's
250ml	Plastic	2	N	HNO3	Metals
40ml	Vial	4	N	HCl	VOCs

Notes: Dup #4 taken, labelled 12:00

Low Flow Ground Water Sampling Log

Date	12/11/02	Personnel	JAD/CLM	Weather	Overcast, high 30's
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-14
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 18.15 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [✓] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	18.15	11.44	6.61	964	-47.2	6.61	13.3	50
5	18.15	12.56	6.46	1020	-87.0	4.37	2.38	200
10	18.15	12.26	6.52	1026	-101.5	3.66	1.32	175
15	18.15	11.97	6.49	1031	-103.9	3.23	3.30	175
20	18.15	12.53	6.52	1031	-108.6	3.03	3.60	175
25	18.15	12.58	6.49	1031	-112.5	2.86	3.06	175
30	18.15	12.67	6.48	1029	-114.3	2.62	2.10	175
35	18.15	12.78	6.50	1028	-116.1	2.57	1.90	175
40	18.15	12.76	6.51	1028	-115.7	2.86	1.97	175
45	18.15	12.82	6.52	1026	-118.5	2.92	1.87	175
50								

Water sample:

Time collected: 16:00

Total volume of purged water removed: 4 gallons

Physical appearance at start

Color clear

Odor none

Sheen/Free Product none

Physical appearance at sampling

Color clear

Odor none

Sheen/Free Product none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH*
1 Litre	Amber	2	N	None	PCB's
250ml	Plastic	1	N	HNO_3	Metals
40ml	Vial	2	N	HCL	VOC's

Notes:

Low Flow Ground Water Sampling Log

Date	12/16/02	Personnel	CLM / JAD	Weather	30's Rain
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-13A
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015009

Well information:

Depth of Well * _____ ft.

Depth to Water * 16.20 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [x] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	16.22	11.96	6.32	743	-14.8	2.82	4.10	600
5	16.25	12.58	6.27	774	-37.6	0.59	2.73	250
10	16.25	12.22	6.27	774	-55.4	0.50	2.15	150
15	16.23	11.65	6.27	773	-70.5	0.30	1.38	150
20	16.23	11.48	6.26	773	-76.2	0.33	1.03	150
25	16.23	12.41	6.26	775	-83.3	0.23	0.98	150
30	16.23	12.51	6.26	772	-86.9	0.25	1.03	150
35	16.23	12.56	6.26	771	-90.1	0.26	0.80	150
40	16.23	12.58	6.26	770	-92.2	0.28	0.94	150
45	16.23	12.60	6.26	769	-94.3	0.24	0.98	150

Water sample:

Time collected: 15:00

Total volume of purged water removed: 3 gallons

Physical appearance at start
- Color: clear
- Odor: none
- Sheen/Free Product: none

Physical appearance at sampling
- Color: clear
- Odor: none
- Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1 Litre	Amber	4	n	None	PCB's
250 ml	Plastic	2	n	HNO3	Metals
40 ml	Vial	4	n	HCL	VOCs

Notes: Dup #5 taken, labelled 16:00

Low Flow Ground Water Sampling Log

Date	12/4/02	Personnel	JAD	Weather	Sunny, 30's
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-13
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 15.85 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [x] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Check Calibration 10 = 10.9 30 a little high but o.k.

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	15.89	10.99	6.26	823	-128.3	1.67	0.0	75
5	15.78	11.45	6.24	799	-121.6	0.94	0.0	200
10	15.82	11.23	6.23	794	-135.8	0.47	0.0	150
15	15.83	11.31	6.23	794	-136.4	0.45	0.0	150
20	15.85	11.27	6.23	794	-138.5	0.43	0.0	150
25	15.85	11.62	6.23	793	-140.2	0.48	0.0	150
30	15.85	11.46	6.23	793	-142.5	0.39	0.0	150
35	15.85	11.46	6.23	793	-145.4	0.35	0.0	150
40	15.85	11.44	6.23	792	-147.1	0.32	0.0	150
45	15.85	11.43	6.24	793	-149.1	0.32	0.0	150
50	15.85	11.50	6.25	793	-149.3	0.30	0.0	150

Water sample:

Time collected: 15:00

Total volume of purged water removed: 3 gallons

Physical appearance at start
Color: clear/light brown
Odor: none
Sheen/Free Product: none

Physical appearance at sampling
Color: clear/light brown
Odor: none
Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1 litre	Amber	~~3~~ 6	N	None	PCB's
40ml	Vial	~~3~~ 6	N	HCL	VOC's
250ml	Plastic	~~2~~ 3	N	HNO3	Metals

Notes: MS/MSD also collected @ 15:00

Low Flow Ground Water Sampling Log

Date	12/16/02	Personnel	CLM HAD	Weather	30s, Sleet
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-12AR
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well Information:

Depth of Well * _____ ft. Probe

Depth to Water * _____ ft. WL pump

Length of Water Column _____ ft.

12.80 = Depth to pump

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	—	10.34	6.72	1098	-68.0	1.30	10.8	150
5	—	10.73	6.70	1033	-105.1	0.48	7.7	150
10	—	10.70	6.67	1019	-116.2	3.34	6.80	150
15	—	10.52	6.67	1036	-124.2	2.52	6.69	150
20	—	10.43	6.69	1093	-135.2	2.34	5.76	150
25	—	10.27	6.71	1128	-141.3	2.73	5.23	150
30	—	9.82	6.75	1139	-145.1	2.92	5.16	150
35	—	10.01	6.76	1141	-146.1	2.99	5.14	150
40		10.03	6.77	1144	-147.3	3.12	5.10	150
45	—	10.00	6.78	1152	-146.2	3.08	5.11	150

Water sample:

Time collected: 16:30

Total volume of purged water removed: 1.75 gal

Physical appearance at start
Color: clear
Odor: None
Sheen/Free Product: None

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1L	Amber	2	No	~~HC~~ None	PCB
250mL	Plastic	1	No	HNO_3	Metals
40mL	Vial	2	No	HCL	VOC

Notes:

sampled @ 16:20

Low Flow Ground Water Sampling Log

Date	12/5/02	Personnel	CLM/TAD	Weather	Sunny, high 30's
Site Name	Sullivan's	Evacuation Method	Bladder	Well #	MW-10
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

PAGE 2 OF 2

Well information:

Depth of Well * _____ ft.

Depth to Water * 1.75 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [✓] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
100	1.74	9.23	6.36	1205	-68.7	0.14	60.6	100
105	1.74	9.38	6.36	1204	-68.3	0.14	65.9	100
110	1.74	9.39	6.35	1204	-67.7	0.15	62.7	100
115	1.74	9.00	6.36	1209	-66.9	0.20	58.9	100
120	1.74	9.07	6.35	1205	-65.2	0.26	57.1	100
125	1.74	9.02	6.36	1206	-64.8	0.29	60.6	100
130	1.74	9.04	6.36	1205	-64.0	0.31	59.4	100

Water sample:

Time collected: _____

Total volume of purged water removed: _____

Physical appearance at start

Color _____

Odor _____

Sheen/Free Product _____

Physical appearance at sampling

Color _____

Odor _____

Sheen/Free Product _____

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1					

See page 1 of 2

Notes:

Low Flow Ground Water Sampling Log

Date	12-10.02	Personnel	CLM / JAD	Weather	Sunny 30's
Site Name	Sullivan Ledge	Evacuation Method	Low Flow	Well #	MW-10B
Site Location	New Bedford	Sampling Method	Bladder	Project #	20000150009

Well Information:

Depth of Well * _____ ft.

Depth to Water * 1.80 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [✓] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	1.80	9.84	6.73	1216	-54.5	0.88	off scale	300
5	1.85	9.97	6.88	1213	-102.9	0.16	639	200
10	1.85	9.25	6.86	1214	-112.6	0.14	554	175
15	1.81	9.25	6.85	1215	-122.3	0.09	489	100
20	1.82	9.29	6.84	1216	-127.3	0.08	407	100
25	1.82	9.18	6.82	1216	-128.6	0.09	357	100
30	1.82	9.13	6.79	1216	-128.0	0.09	333	100
35	1.82	9.18	6.77	1217	-127.0	0.10	245	100
40	1.82	9.20	6.73	1216	-124.5	0.10	225	100
45	1.82	9.11	6.71	1216	-123.2	0.10	220	100
50	1.82	9.12	6.70	1216	-122.4	0.10	210	100
55	1.82	9.08	6.69	1216	-121.4	0.09	209	100
60	1.82	9.06	6.68	1216	-121.1	0.10	206	100

Water sample:

Time collected: 16:15

Total volume of purged water removed: 3 gallons

Physical appearance at start
- Color: silty brown
- Odor: none
- Sheen/Free Product: none

Physical appearance at sampling
- Color: clear / light brown
- Odor: none
- Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
Litre	Amber	2	N	None	PCB's
500ml	Plastic	1	N	HNO3	Metals
40ml	Vial	2	N	HCl	VOC's

Notes:

Low Flow Ground Water Sampling Log

Date	12/10/02	Personnel	CLM / JAD	Weather	Sunny, high 30's
Site Name	Sullivans	Evacuation Method	Bladder Pump	Well #	MW-10
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015-009

PAGE 1 OF 2

Well Information:

Depth of Well * _____ ft.

Depth to Water * 1.75 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [x] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	°C Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	1.74	9.35	6.50	1183	-46.1	2.51	Off Scale	100
5	1.74	9.20	6.66	1227	-75.2	0.43	Off Scale	100
10	1.74	8.91	6.89	1266	-134.3	0.11	Off Scale	100
15	1.75	8.97	7.07	1270	-179.8	0.09	Off Scale	100
20	1.75	8.33	6.99	1273	-183.9	0.06	Off Scale	100
25	1.75	8.50	6.86	1228	-159.8	0.09	Off Scale	100
30	1.75	9.73	6.71	1213	-129.8	0.12	Off Scale	100
35	1.73	9.34	6.49	1210	-97.8	0.14	Off Scale	100
40	1.73	8.73	6.46	1219	-92.8	0.20	722	100
45	1.73	7.54	6.43	1217	-85.8	0.19	426	100
50	1.73	7.20	6.41	1212	-79.4	0.19	400	100
55	1.73	7.12	6.40	1212	-77.3	0.17	170	100
60	1.73	7.13	6.38	1212	-75.1	0.17	134	100
65	1.72	7.65	6.37	1207	-73.9	0.16	128	100
70	1.74	5.05	6.37	1202	-72.9	0.15	99.7	100
75	1.74	8.41	6.37	1202	-71.6	0.21	84.7	100
80	1.75	8.71	6.37	1203	-70.6	0.19	80.9	100
85	1.74	8.78	6.37	1204	-69.8	0.21	77.8	100
90	1.74	8.91	6.37	1205	-69.9	0.18	76.9	100
95	1.74	9.01	6.35	1206	-69.0	0.15	70.2	100

Water sample:

Time collected: 15:00

Total volume of purged water removed: 4.5 gal

Physical appearance at start
- Color: Dark Orange
- Odor: None
- Sheen/Free Product: None

Physical appearance at sampling
- Color: clear
- Odor: none
- Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1 liter	Amber	2	N	None	PCBs
500 ml	Plastic	1	N	HNO_3	Metals
40 ml	Vial	2	N	HCl	VOCs

Notes: Sample taken @ 15:00

Low Flow Ground Water Sampling Log

Date	12/5/02	Personnel	CLM / JAD	Weather	Snow 20's
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-8A
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well Information:

Depth of Well * _____ ft.

Depth to Water * 3.75 ft.

Length of Water Column _____ ft.

* Measurements taken from
- [✓] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	4.93	10.30	6.55	1280	15.6	3.89	offscale	200
5	5.80	10.99	6.20	1290	21.1	4.49	offscale	200
10	5.80	10.57	6.17	1297	25.5	4.86	827	200
15	5.80	10.38	6.08	1302	28.8	4.14	800	200
20	5.80	10.70	6.04	1301	33.1	3.74	150	200
25	5.80	11.02	6.08	1300	33.7	3.72	125	200
30	5.72	11.19	6.08	1296	35.3	2.58	110	200
35	5.72	11.26	6.10	1295	36.4	2.56	108	200
40	5.85	11.37	6.08	1291	38.2	4.10	110	200
45	5.83	11.31	6.08	1290	38.4	3.95	115	200
50	5.87	11.13	6.06	1300	42.5	3.94	117	200
55	5.76	11.27	6.08	1293	43.9	2.89	102	200
60	5.85	11.27	6.07	1291	44.1	2.92	98.0	200
65	5.82	11.32	6.07	1296	46.2	2.68	93.0	200
70	5.82	11.46	6.08	1294	47.0	3.00	89.0	200
75	5.90	11.48	6.08	1297	48.1	3.31	45.8	200
80	5.90	11.57	6.07	1290	49.2	3.31	44.0	200
85	5.91	11.58	6.07	1291	49.5	3.31	43.8	200

SNOW STORM

Water sample:

Time collected: 12:45

Total volume of purged water removed: 6 gallons

Physical appearance at start
- Color: dark orange/brown
- Odor: slightly ivory smell
- Sheen/Free Product: none

Physical appearance at sampling
- Color: light brown
- Odor: none
- Sheen/Free Product: none

Samples collected:

Container Size	Containet Type	# Collected	Field Filtered	Preservative	~~Container pH~~ Analysis
1 Litre	Amber	2	N	None	PCB's
500ml	Plastic	1	N	HNO_3	Metals
40ml	Vial	2	N	HCl	VOC's

Notes:

Brown

Low Flow Ground Water Sampling Log

Date	12/5/02	Personnel	CLM / FAD	Weather	Overcast, 20's
Site Name	Sullivan Liaige	Evacuation Method	Bladder	Well #	MW-8
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 3.17 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [x] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

2 of 2

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
95	3.20	16.40	6.01	1350	-19.7	1.70	80	150

Water sample:

Time collected: _____

Total volume of purged water removed: _____

Physical appearance at start

Color _____

Odor _____

Sheen/Free Product _____

Physical appearance at sampling

Color _____

Odor _____

Sheen/Free Product _____

See page 1 of 2

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

Notes:

April 25, 1997
Form developed by:

Low Flow Ground Water Sampling Log

Date	12/6/01	Personnel	CCM (JAD)	Weather	Overcast, 20's
Site Name	Sullivan's Ledge	Evacuation Method	Bladder	Well #	MW-8
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

1 OF 2

Well information:

Depth of Well * _____ ft.

Depth to Water * 3.17 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [x] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	3.18	9.90	6.60	1378	71.5	1.83	off scale	400
5	3.18	10.10	6.56	1437	43.1	0.60	off scale	250
10	3.12	9.16	6.56	1445	20.6	0.60	409.0	125
15	3.18	8.63	6.54	1441	-5.7	0.57	215	150
20	3.19	8.94	6.53	1426	-37.0	0.52	260	150
25	3.20	9.45	6.58	1405	-57.7	1.28	290	150
30	3.20	9.52	6.58	1400	-57.6	1.33	210	150
35	3.20	9.66	6.58	1396	-57.3	1.40	160	150
40	3.20	9.58	6.59	1396	-56.9	1.50	136	150
45	3.20	9.75	6.59	1394	-54.2	1.53	120	150
50	3.20	8.53	6.59	1393	-46.7	1.71	130	150
55	3.20	9.48	6.59	1393	-46.5	1.69	129	150
60	3.20	9.65	6.60	1390	-43.1	1.52	110	150
65	3.20	9.95	6.60	1390	-39.9	1.55	100	150
70	3.20	10.06	6.60	1390	-35.5	1.57	95	150
75	3.20	10.00	6.60	1390	-33.4	1.61	90	150
75	3.20	10.06	6.60	1389	-31.0	1.61	80	150
80	3.20	10.18	6.61	1387	-28.2	1.62	50	150
85	3.20	10.32	6.61	1384	-25.5	1.63	50	150
90	3.20	10.36	6.61	1382	-23.0	1.68	79	150

Water sample:

Time collected: 10:30

Total volume of purged water removed: 6 gallons

Physical appearance at start
- Color: Dark orange/brown
- Odor: slight organic
- Sheen/Free Product: None

Physical appearance at sampling
- Color: ~~Dark~~ light brown/clear
- Odor: none
- Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1 liter	Amber	2	N	None	PCB's
500 ml	Plastic	1	N	HNO3	Metals
40 ml	Vial	2	N	HCL	VOC's

Notes: Dup #2 taken also

Low Flow Ground Water Sampling Log

Date	12/11/02	Personnel	JAD / SSS	Weather	Overcast, 30's
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-6A
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 6.15 ft.

Length of Water Column _____ ft.

* Measurements taken from JAD

✓	Top of Well Casing
✓	Top of Protective Casing
	(Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	6.16	11.50	6.46	1023	-50.2	6.72	92.0	300
5	6.17	11.85	6.38	1026	-55.0	6.38	140.0	300
10	6.17	11.43	6.40	1026	-58.5	6.57	68.6	100
15	6.17	11.41	6.40	1023	-57.4	6.39	48.8	100
20	6.17	11.40	6.41	1025	-58.3	6.41	63.5	100
25	6.17	11.30	6.42	1026	-58.6	6.55	29.4	100
30	6.17	11.43	6.40	1027	-58.0	6.28	18.8	100
35	6.17	11.54	6.41	1027	-59.3	6.91	13.1	100
40	6.17	11.56	6.40	1030	-59.3	6.98	9.69	100
45	6.18	11.43	6.41	1030	-60.6	5.62	6.72	100
50	6.18	11.63	6.42	1031	-61.3	6.66	5.68	100
55	6.18	11.51	6.40	1030	-61.8	6.32	4.51	100
60	6.18	11.48	6.40	1033	-61.5	6.32	3.41	100
65	6.18	11.63	6.41	1032	-62.5	6.25	3.40	100
70	6.18	11.70	6.42	1034	-62.7	6.45	2.89	100
75	6.18	11.50	6.39	1033	-61.2	6.80	2.29	100
80	6.18	11.50	6.41	1035	-61.3	6.79	2.14	100
85	6.16	11.54	6.42	1033	-61.5	6.79	2.39	100

Water sample:

Time collected: 11:00

Total volume of purged water removed: 3 gallons

Physical appearance at start
Color: light brown/orange
Odor: slight organic
Sheen/Free Product: none

Physical appearance at sampling
Color: clear/light brown
Odor: none
Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	~~Container pH~~ Analysis
1 litre	Amber	2	N	None	PCB's
250mL	Plastic	1	N	HNO_3	Metal
40mL	Vial	2	N	HCL	VOCs

Notes:

Low Flow Ground Water Sampling Log

Date	12/11/02	Personnel	JAD	Weather	Overcast, 30's
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-6
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000016-009

Well information:

Depth of Well * _____ ft.

Depth to Water * 5.60 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [x] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	5.69	8.84	6.82	1067	-91.2	2.99	6.24	150
5	5.69	9.31	6.78	1057	-103.0	2.47	1.49	150
10	5.70	9.99	6.77	1054	-111.8	2.10	0.28	150
15	5.70	9.78	6.77	1054	-115.5	2.52	0.29	150
20	5.70	10.28	6.77	1052	-119.4	2.67	0.00	150
25	5.70	10.47	6.76	1051	-122.6	3.40	0.34	150
30	5.70	10.49	6.78	1050	-123.3	3.34	0.88	150
35	5.70	9.80	6.78	1049	-124.9	2.62	0.49	150
40	5.70	9.83	6.78	1046	-125.3	2.45	0.70	150
45	5.70	9.84	6.78	1051	-124.2	2.37	0.52	150

Water sample:

Time collected: 9:15

Total volume of purged water removed: 2 gallons

Physical appearance at start
- Color: clear
- Odor: slight organic
- Sheen/Free Product: none

Physical appearance at sampling
- Color: clear
- Odor: slight organic
- Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH*
1 litre	Amber	2	N	None	PCB's
250 ~~500~~ ml	Plastic	1	N	HNO_3	Metals
40 ml	Vial	2	N	HCL	VOC's

Notes:

Low Flow Ground Water Sampling Log

Date	12/12/02	Personnel	CLH/JAD	Weather	Dull, 40's, light rain
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-5
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 8.00 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [ ] Top of Well Casing
- [x] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	8.10	10.81	7.17	1339	35.6	2.19	0.92	200
5	8.20	11.27	7.15	1362	31.6	2.14	1.06	150
10	8.30	10.94	7.21	1369	28.2	2.66	0.82	150
15	8.34	10.89	7.26	1372	25.8	2.99	0.77	100
20	8.40	10.89	7.29	1372	23.5	2.91	0.73	100
25	8.42	10.81	7.30	1371	21.9	3.10	0.57	100
30	8.50	10.81	7.29	1371	20.6	2.84	0.54	100
35	8.55	10.84	7.28	1371	20.3	2.80	0.58	100
40	8.58	10.90	7.30	1369	20.1	2.84	0.61	100

Water sample:

Time collected: 9.15

Total volume of purged water removed: 2 gallons

Physical appearance at start
- Color: none
- Odor: none
- Sheen/Free Product: none

Physical appearance at sampling
- Color: none
- Odor: none
- Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container Use
1 Litre	Amber	2	N	None	PCB's
250ml	Plastic	1	N	HNO_3	Metals
40ml	Vial	2	N	HCL	VOC's

Notes:

Low Flow Ground Water Sampling Log

Date	12/12/02	Personnel	CLM JAD	Weather	Dull 40's, light rain
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-5A
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 7.25 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [✓] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	7.50	9.72	5.13	1338	67.5	5.88	19.70	100
5	7.40	9.67	5.50	1370	59.2	5.28	10.40	100
10	7.42	10.29	5.60	1383	59.8	4.90	4.87	100
15	7.50	10.99	5.64	1381	61.5	5.04	2.91	100
20	7.53	11.24	5.65	1378	64.0	5.44	3.22	100
25	7.55	11.36	5.65	1376	65.0	5.43	2.40	100
30	7.60	11.41	5.63	1376	67.9	4.68	1.62	100
35	7.60	11.50	5.63	1377	69.0	4.59	1.63	100
40	7.60	11.52	5.63	1376	70.1	4.55	1.36	100
45	7.60	11.52	5.63	1377	71.1	4.52	1.03	100
50	7.60	11.58	5.63	1376	72.9	4.54	0.83	100

Water sample:

Time collected: 10:45

Total volume of purged water removed: 2 gallons

Physical appearance at start

Color: clear/light brown

Odor: none

Sheen/Free Product: none

Physical appearance at sampling

Color: clear

Odor: none

Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1 litre	Amber	2	N	None	PCB's
250ml	Plastic	1	N	HNO3	Metals
40ml	Vial	2	N	HCL	VOC's

Notes:

Low Flow Ground Water Sampling Log

Date	12/17/02	Personnel	CLM/JAD	Weather	Bright, low 20's
Site Name	Sullivans Ledge	Evacuation Method	Bladder Pump	Well #	MW-4A
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well Information:

Depth of Well * _____ ft.

Depth to Water * 7.60 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [x] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	7.60	9.90	6.04	970	16.7	0.72	19.2	250
5	7.80	10.10	5.71	968	18.5	0.25	6.20	250
10	7.64	10.12	5.70	968	11.6	0.16	2.90	200
15	7.64	10.26	5.69	945	3.2	0.17	2.70	200
20	7.64	10.04	5.69	930	-2.9	0.13	2.28	200
25	7.64	10.00	5.69	919	-7.1	0.12	2.15	200
30	7.64	8.53	5.69	914	-10.4	0.13	1.29	200
35	7.64	8.90	5.69	912	-12.9	0.12	1.18	200
40	7.62	8.90	5.69	902	-16.0	0.10	1.03	200
45	7.63	9.05	5.70	899	-17.9	0.09	1.08	200
50	7.63	8.23	5.70	898	-19.5	0.10	1.18	100
55	7.63	8.37	5.69	898	-20.6	0.09	0.97	100
60	7.63	8.46	5.69	895	-21.5	0.09	1.19	100
65	7.63	8.73	5.70	892	-23.2	0.08	1.02	100
70	7.63	8.61	5.70	889	-23.7	0.08	0.89	100
75	7.63	8.66	5.70	887	-24.6	0.06	0.92	100

Water sample:

Time collected: 10:00

Total volume of purged water removed: 4 gallons

Physical appearance at start

Color: clear

Odor: slight organic

Sheen/Free Product: none

Physical appearance at sampling

Color: clear

Odor: slight organic

Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1 litre	Amber	2	N	None	PCB's
250 ml	Plastic	1	N	HNO_3	Metals
40 ml	Vial	2	N	HCL	VOC's

Notes:

Low Flow Ground Water Sampling Log

Date	12-12-02	Personnel	CLM / JAD	Weather	40's cloudy
Site Name	Sullivans ledge	Evacuation Method	Bladder Pump	Well #	MW-4
Site Location	New Bedford	Sampling Method	Low Flow	Project #	20000 15.009

Well Information:

Depth of Well * _____ ft.

Depth to Water * 8.21 ft.

Length of Water Column _____ ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	8.21	10.79	7.03	490	-108.3	1.17	2.42	250
5	8.25	10.97	6.65	783	-106.5	2.05	0.25	150
10	8.25	10.92	6.61	815	-107.9	2.48	0.00	150
15	8.25	11.12	6.61	674	-115.7	0.50	0.05	150
20	8.25	11.15	6.66	555	-122.0	0.26	0.10	150
25	8.25	11.19	6.70	505	-125.7	0.23	0.06	150
30	8.28	11.15	6.72	483	-127.8	0.19	0.06	150
35	8.28	11.23	6.73	468	-129.4	0.20	0.22	150
40	8.28	11.27	6.72	469	-129.5	0.22	0.35	150
45	~~8.28~~ 8.28	11.25	6.72	466	-130.2	0.19	0.36	150
50	8.28	11.23	6.72	463	-130.6	0.17	0.09	150
55	8.28	11.22	6.73	457	-131.5	0.17	0.11	150
60	8.28	11.24	6.72	455	-132.1	0.17	0.00	150

Water sample:

Time collected: 15:00

Total volume of purged water removed: 3 gallons

Physical appearance at start

Color: clear

Odor: slight organic

Sheen/Free Product: none

Physical appearance at sampling

Color: clear

Odor: none

Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1L	Amber	2	No	None	PCBs
40 ml	Vial	2	No	HCl	VOCs
250 ml	Plastic	1	No	HNO_3	Metals

Notes:

Low Flow Ground Water Sampling Log

Date	12/16/02	Personnel	CLM / JAD	Weather	30's Rain
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-2
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well Information:

Depth of Well * _____ ft.

Depth to Water * 18.02 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [ ] Top of Well Casing
- [x] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	18.05	9.15	6.89	768	-105.8	2.71	1.14	100
5	18.05	10.12	6.97	777	-158.7	1.14	1.95	100
10	18.09	10.83	7.02	752	-179.9	1.18	1.08	100
15	18.22	10.64	7.02	747	-183.7	1.23	1.03	100
20	18.26	10.88	7.03	743	-188.8	0.95	1.09	100
25	18.28	10.84	7.01	745	-184.4	[illegible]	1.05	100
						0.98		
30	18.30	10.81	7.04	745	-195.7	0.70	0.35	100
35	18.30	10.95	7.05	744	-200.7	0.36	0.39	100
40	18.30	10.84	7.07	744	-205.0	0.25	0.44	100
45	18.30	10.88	7.07	744	-208.3	0.24	0.49	100
50	18.30	10.85	7.07	744	-206.1	0.25	0.55	100

Water sample:

Time collected: 12:00

Total volume of purged water removed: 2 gallons

Physical appearance at start

Color: clear

Odor: none

Sheen/Free Product: none

Physical appearance at sampling

Color: clear

Odor: none

Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	~~Container pH~~ Analysis
1 Litre	Amber	6	N	None	PCB's
250ml	Plastic	2	N	HNO_3	Metals
40ml	Vial	6	N	HCL	VOC's

Notes: TS/MSD taken 12:00

Low Flow Ground Water Sampling Log

Date	12/12/07	Personnel	CLM/JAD	Weather	Dull, 40's, light rain
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	GCA-1
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 14.75 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [ ] Top of Well Casing
- [x] Top of Protective Casing
- [ ] (Other, Specify)

Water parameters: Lower submersible pump slowly through stagnant water column
Position pump in center of screened interval & maximum pumping rate of 0.5 liters/minute
Collect readings at every three minute intervals

Elapsed Time	Depth To Water	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	14.78	10.33	6.39	1245	-48.2	1.45	3.16	50
5	14.78	11.17	6.33	1263	-64.2	2.86	0.59	150
10	14.80	11.49	6.28	1270	-68.0	2.21	0.47	150
15	14.80	12.11	6.27	1272	-78.5	2.12	0.73	150
20	14.82	12.20	6.26	1275	-89.4	[illegible]	0.70	150
25	14.82	12.22	6.25	1276	-97.8	2.20 / 2.05	0.40	150
30	14.82	12.16	6.25	1272	-103.5	0.50	0.39	150
35	14.82	12.25	6.25	1274	-107.6	2.06	0.41	150
40	14.82	12.20	6.26	1275	-108.8	2.06	0.39	150
45	14.82	12.23	6.26	1275	-109.2	2.10	0.41	150

spider in line blockage & bubble removed

Water sample:

Time collected: 11:45

Total volume of purged water removed: 2 gallons

Physical appearance at start
Color: clear
Odor: none
Sheen/Free Product: none

Physical appearance at sampling
Color: clear
Odor: none
Sheen/Free Product: none

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	~~Container pH~~ Analysis
1 litre	Amber	2	N	None	PCB's
250mL	Plastic	1	N	HNO_3	Metals
40mL	Vial	2	N	HCL	VOCs

Notes:

CHAIN OF CUSTODY

PAGE ____ OF ____

ALPHA Job #:

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: MABBETT & ASSOCIATES
Address: 5 ALFRED CIRCLE
BEDFORD, MA
Phone: 781 275 6050
Fax: 781 275 5651
Email: steinberg@mabbett.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Sullivan's Ledge
Project Location: New Bedford
Project #: 20000115.009
Project Manager: Paul Steinberg
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker: ____
(Default based on Regulatory Criteria Indicated)
Other Formats: ____
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: Mail hard copy.
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:
O'Brien & Gere

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Temp Blank In cooler
Full list VOC's & Metals to be reported.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB's	VOC's	Total Metals	SVOC's	Sample Specific Comments	Total # Bottles
	ECJ-3-146	12/2/02	15:30	GW	JAD	1	2	1			
	ECJ-3-126		11:35			1	2	1			
	ECJ-3-91		12:30			1	2	1			
	ECJ-3-51		12:00			1	2	1			
	DUP-1		18:00			1	2	1			
	MW-16		16:30			2	2	1			
	ECJ-1-267	12/3/02	11:00	GW	JAD	1	2	1			
	ECJ-1-148	12/3/02	13:15	GW	JAD	1	2	1			
	TRIPBLANK	11/24/02	10:30		JMT		1				
	GWTP Comp	12/3/02	14:40	GW	JAD				2		
					Container Type	A	V	P	A		
					Preservative	A	B	C	A		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved.

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/3/02 15:20	[signature]	12/3/02 15:30

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE ____ OF ____

ALPHA Job #:

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: MABBETT & ASSOCIATES
Address: 5 ALFRED CIRCLE
BEDFORD, MA, 01730
Phone: 781 275 6050
Fax: 781 275 5651
Email: steinberg@mabbett.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Sullivan's Ledge
Project Location: New Bedford
Project #: 20000015.009
Project Manager: Paul Steinberg
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: ____
(Default based on Regulatory Criteria Indicated)
Other Formats: ____
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: Hard Copy Also
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:
O'Brien & Gere

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Temperature. Blank in Cooler
Full list VOC's & 23 Metals to Report

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB's 8260's	VOC's (Full List)	Metals	Sample Specific Comments	TOTAL # BOTTLES
	ECJ-4-87	12/9/02	12:25	GW	DJA	1	2	1		
	ECJ-4-62	↓	13:00	↓	↓	1	2	1		
	ECJ-4-162	↓	11:10	↓	↓	1	2	1		
	ECJ-4-132	↓	11:55	↓	↓	1	2	1		
	MW-10	12/10/02	15:00	GW	JAD	2	2	1		
	MW-10B	"	16:15	GW	JAD	2	2	1		
	TRIP	11/2/02	10:30		JMT		1			

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Shaded/Grey Areas For Lab Use Only

Container Type	A	V	P
Preservative	A	B	U

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/10/02 15:15	L Edmonds	12/10/02 17:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms and Conditions.

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 1 OF 3

ALPHA Job #:

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: MABBETT & ASSOCIATES
Address: 5 ALFRED CIRCLE BEDFORD, MA
Phone: 781 275 6050
Fax: 781 275 5651
Email: steinberg@mabbett.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Sullivan's Ledge
Project Location: New Bedford
Project #: 2000015.069
Project Manager: Paul Steinberg
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client Info PO #:
O'Brien & Gere

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Temp. Blank in cooler
Full list of VOC's & 23 metals to report.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (Full List)	PCB's	Metals (23)	Sample Specific Comments	TOTAL # BOTTLES
	ECJ-1-37	12/4/02	13:00	GW	CLM	2	1	1		
	MW-13	12/4/02	15:00	"	JAD	2	2	1		3
	MW-13-MS	"	"	"	JAD	2	2	1		
	MW-13-MSD	"	"	"	JAD	2	2	1		
	ECJ-1-62	"	11:30	"	JAD	2	1	1		
	ECJ-1-72	"	8:45	"	JAD	2	1	1		
	ECJ-1-122	12/3/02	15:15	"	JAD	2	1	1		
	TRIP BLANK	11/21/02	10:30			1				

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	V	A	P
Preservative	B	A	G

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved.

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]		[illegible]	12/5/02

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA Job #:

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: MABBETT & ASSOCIATES
Address: 5 ALFRED CIRCLE BEDFORD, MA
Phone: 781 275 6050
Fax: 781 275 5651
Email: steinberg@mabbett.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Sullivan's Ledge
Project Location: New Bedford
Project #: 2000015.009
Project Manager: Paul D. Steinberg
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: hard copy also
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:
O'Brien & Gere

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Full list VOC's + 23 Metals to Report
Temp Blank in cooler

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 VOC's	Metals	PCB's	SVOC's	Sample Specific Comments	TOTAL # BOTTLES
	BE1-3	12/5/02	15:00	GW	JAD	2	1	2	2		
	OBG-1	↓	15:30	↓	↓	2	1	2	2		
	BE1-2		15:10			2	1	2	2		
	DUP #3		16:00			2	1	2	2		
	OBG-2		15:20			2	1	2	2		
	BE1-1		15:40			2	1	2	2		
	SHALLOW COLL^N TRENCH	↓	15:50	↓	↓	2	1	2	2		
	MW-8	12/5/02	10:30	GW	JAD	2	1	2			
	ECJ-4-245	12/5/02	9:30	GW	DJA	2	1	1			
	ECJ-4-227	12/5/02	9:50	GW	DJA	2	1	1			

Container Type	V	A	A	
Preservative	B		A	

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved.

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]		[signature]	12/5/02 16:30

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 3 OF 3

ALPHA Job #:

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: MABBETT
Address: 5 ALFRED CIRCLE BEDFORD, MA
Phone: 781 275 6050
Fax: 781 275 5651
Email: steinberg@mabbett.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Sullivan's Ledge
Project Location: New Bedford
Project #: 2000015.009
Project Manager: Paul D. Steinberg
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: hard copy also
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:
O'Brien + Gere

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Full List VOC's + 23 Metals to Report
Temp. Blank in Cooler

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260's VOCs	Metals	PCB's	SVOC's									Sample Specific Comments	TOTAL # BOTTLES
	MW-8A	12/5/02	12:45	GW	JAD	2	1	2											
	Dup #2	12/5/02	12:00	GW	JAD	2	1	2											
	TRIPBLANK	11/21/02	10:30		JMT			1											

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type: V O P A A
Preservative: B C A A

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved.

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]		[signature]	12/5/02 1030

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 1 OF 2

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

ALPHA Job #:

Client Information

Client: MABBETT + ASSOC.
Address: 5 ALFRED CIRCLE BEDFORD, MA, 01730
Phone: 781 275 6050
Fax: 781 275 5651
Email: steinberg@mabbett.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Sullivan's Ledge
Project Location: New Bedford
Project #: 20000015.009
Project Manager: Paul D. Steinberg
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: Hard Copy Also
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client Info PO #: O'Brien + Gere

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Temperature Blank in coolers
Full list VOC's + 23 Metals to Report

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB's	Metals	VOC's	SVOC's	Sample Specific Comments	Total # Bottles
	MW-14	12/11/02	16:00	GW	JAD	2	1	2			
	MW-6A	12/11/02	11:00	GW	JAD	2	1	2			
	MW-24		14:30		JAD	2	1	2			
	MW-6		9:15		JAD	2	1	2			
	ECJ-2-187		8:30		CLM	1	1	2	1		
	ECJ-2-152		9:50		CLM	1	1	2	1		
	ECJ-2-117		10:50		CLM	1	1	2	1		
	ECJ-2-82		11:45		CLM	1	1	2	1		
	ECJ-2-47		13:45		CLM	1	1	2	1		
	ECJ-2-MS		13:45		CLM	1	1	2	1		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type: A P V A
Preservative: A B C A

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved.

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]		[signature]	12/12/15

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA Job #:

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: MABBETT + ASSOCIATES
Address: 5 ALFRED CIRCLE BEDFORD, MA, 01730
Phone: 781 275 6050
Fax: 781 275 5657
Email: steinberg@mabbett.
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Sullivan's Ledge
Project Location: New Bedford
Project #: 2000015.009
Project Manager: Paul D Steinberg
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: (Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: Hard Copy Also
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:
O'Brien + Gere

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Temp. Blank in Cooler
Full list VOC's + 23 Metals Report

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB's	Metals	SVOC's	VOC's	Sample Specific Comments	Total # Bottles
	ECJ-2-MSD	12/11/02	13:45	GW	CLM	1	1	2	1		
	TRIPBLANK	11/21/02	10:30		JMT			1			
	GCA-1	12/12/02	11:45	GW	JAD	2	1	2			
	MW-5A	12/12/02	10:45	GW	JAD	2	1	2			
	MW-5	12/12/02	9:15	GW	JAD	2	1	2			
	MW-4	12/12/02	15:00	GW	JAD	2	1	2			
	TRIPBLANK	12/2/02	10:30		JMT			1			

Container Type: A P V A
Preservative: A B C A

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved.

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]		[signature]	12/12/5

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE ____ OF ____

ALPHA Job #:

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: MABBETT & ASSOC.
Address: 5 ALFRED CIRCLE BEDFORD, MA
Phone: 781 275 6050
Fax: 781 275 5651
Email: steinberg@mabbett.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Sullivan's Ledge
Project Location: New Bedford
Project #: 2000015.009
Project Manager: Paul Steinberg
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: ____
(Default based on Regulatory Criteria Indicated)
Other Formats: ____
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: Hard Copy Also
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:
O'Brien - Gene

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Temperature Blank in coolers
Full list VOC's + 23 Metals to Report

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB's	Metals	VOC's	Sample Specific Comments	Total # Bottles
	MW-13A	12/16/02	15:00	GW	JAD	2	1	2		5
	Dup #5	12/16/02	16:00	GW	JAD	2	1	2		5
	MW-2		12:00	GW	JAD	2	1	2		5
	MS-MW-2		12:00	GW	JAD	2	1	2		5
	MSD-MW-2		12:00	GW	JAD	2	1	2		5
	MW-15		10:15	GW	JAD	2	1	2		5
	Dup #4		12:00	GW	JAD	2	1	2		5
	TRIP BLANK	12/16/02	10:30		JMT			1		1
	MW-12AR	12/16/02	16:30	GW	JAD	2	1	2		5

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	A	P	V
Preservative	A	C	B

Please print clearly, legibly and completely. Samples can not be logged in and turn around time clock will not start until any ambiguities are resolved.

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]		[signature]	12/16/02 17:02

Form No: 02-02 STD

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA Job #:

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: MABBETT & ASSOCIATES
Address: 5 ALFRED CIRCLE BEDFORD, MA 01730
Phone: 781 275 6050
Fax: 781 275 5651
Email: steinberg@mabbett.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Sullivan's Ledge
Project Location: New Bedford
Project #: 2000015.009
Project Manager: Paul Steinberg
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: (Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: Hard copy also
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client Info PO #:
O'Brien & Gere

Regulatory Requirements/Report Limits

State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Temperature Blank in cooler.
Full list VOC's & 23 Metals to Report

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB's	VOC's	SVOC's	Metals									Sample Specific Comments	TOTAL # BOTTLES
	EQUIPMENT BLANK	12/17/02	10:45	~~GW~~	JAD	2	2	2	1										7
	MW-10AR	12/17/02	10:15	GW	JAD	2	2		1										5
	MW-4A	12/17/02	10:00	GW	JAD	2	2		1										5
	MW-17	12/17/02	10:30	GW	JAD	2	2		1										5
	TRIPBLANK	12/2/02	10:30		JMT		1												1
																			23

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	A	V	A	P
Preservative	A	B	A	C

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved.

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/17/02 16:45	[signature]	12/17/02 16:45

Form No: 02-02 STD

Appendix D

Westbay Well Sampling Logs

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/3/02
Monitoring Well No. SGJ-1 U Sampling Zone No. 267 Start Time 10:45 End Time 11:50
Water Level In MP Casing: (start) 33.60 (end) 34.00 Technicians CLM / JAD
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	✓	120.66	✓	130.44	✓	130.54	✓	✓	120.14	1 Lite	
2	✓	✓	✓	✓	✓	✓	✓	120.12	✓	130.19	✓	129.46	✓	✓	120.12	3/4 Lite	
																	Total Volume

Field Determinations (Appearance, pH,S.C.,etc.)

1

Actual Depth ~~[illegible]~~ 271'
VOC's, PCB's, Metals sampled @ 11:00

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/3/07
Monitoring Well No. ECT-V Sampling Zone No. 148 Start Time 13 00 End Time 14.15
Water Level In MP Casing: (start) 34.00 (end) 34.60 Technicians JAD / CLM
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	✓	68.19	✓	68.74	✓	66.79	✓	✓	68.19	1 liter	
1	✓	✓	✓	✓	✓	✓	✓	67.61	✓	67.29	✓	66.19	✓	✓	67.71	3/4	
																	Total Volume 1 3/4 liter

Field Determinations (Appearance, pH,S.C.,etc.)

1

Actual Depth 151'
VOC's, PCB's, Metals Sampled @ 13.15

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/3/02
Monitoring Well No. ECJ-1 Sampling Zone No. 122 Start Time 15:00 End Time 15:35
Water Level In MP Casing: (start) 34.62 (end) 34.80 Technicians CLM/JAD
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	✓	57.19	✓	55.26	✓	55.13	✓	✓	57.18	1 litre	
2	✓	✓	✓	✓	✓	✓	✓	57.40	✓	55.19	✓	55.02	✓	✓	57.37	3/4 litre	container not full
3	✓	✓	✓	✓	✓	✓	✓	57.70	✓	55.19	✓	55.30	✓	✓	57.70	3/4 litre	
																	Total Volume 2.5 litre

Field Determinations (Appearance, pH,S.C.,etc.)

Actual Depth 126'

PCB's, VOC's, Metals Sampled at 15:15

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans Ledge Location New Bedford Date 12/21/07
Monitoring Well No. ECT-1 / Sampling Zone No. 72' Start Time 8-15 End Time 10:00
Water Level In MP Casing: (start) 33.50 (end) 33.46 Technicians JAD
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	✓	35.80	✓	40.39	✓	39.39	✓	✓	36.08	1 litre	
2	✓	✓	✓	✓	✓	✓	✓	36.40	✓	40.48	✓	40.41	✓	✓	36.41	1 litre	
3	✓	✓	✓	✓	✓	✓	✓	36.40	✓	40.48	✓	40.44	✓	✓	36.41	1 litre	
																	Total Volume 3 litre

Field Determinations (Appearance, pH,S.C.,etc.)
Actual Depth 76'

1

PCB's, VOC's & Metals Sampled @ 8.45

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/4/02
Monitoring Well No. EGJ-1 Sampling Zone No. 62' Start Time 11:30 End Time 12:15
Water Level In MP Casing: (start) 33.46 (end) 33.20 Technicians SSS/JAD.
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	✓	31.44	✓	35.52	✓	35.38	✓	✓	31.96	1 litre	
2	✓	✓	✓	✓	✓	✓	✓	31.86	✓	35.26	✓	35.29	✓	✓	31.88	1 litre	
3	✓	✓	✓	✓	✓	✓	✓	31.42	✓	35.33	✓	35.18	✓	✓	31.42	1 litre	
																	Total Volume 3 litre

Field Determinations (Appearance, pH,S.C.,etc.)

Actual Depth 66

VOC's, PCB's, Metals Sampled @ 4:30

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans Ledge Location New Bedford Date 12.4.02
Monitoring Well No. ES-1 Sampling Zone No. 37 (41') Start Time 1:15 pm End Time 1:45
Water Level In MP Casing: (start) 32.20 (end) 33.51 Technicians CLM/SSS
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	X	X	X	X	X	X	X	20.06	X	25.10	X	25.04	X	X	20.98	1 liter	
2	X	X	X	X	X	X	X	20.84	X	25.07		25.02	X	X	20.81	1 liter	
																	Total Volume 2 L

Field Determinations (Appearance, pH,S.C.,etc.)

1

VOC's, PCB's Metals Sampled @ 13:00

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/11/02
Monitoring Well No. ECJ-2 Sampling Zone No. 187 Start Time 8:10 End Time 8:30
Water Level In MP Casing: (start) 15.30 (end) 15.29 Technicians AJF/CLM
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	187.8	89.74	X	91.70	✓	89.85	X	X	89.72	1L	Depth to GW
2	X	X	X	X	X	X	187.7	89.66	✓	90.75	✓	88.91	X	X	89.66	1L	start 15.3'
3	✓	✓	✓	✓	✓	✓	187.9	89.62	✓	90.27	✓	88.94	X	X	89.69 ~~89.60~~	1L	
																	Total Volume 3L

Field Determinations (Appearance, pH,S.C.,etc.)

VOC's, PCB's, Metals & SVOC's sampled @ 8:30

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans Ledge Location New Bedford Date 12-2-02
Monitoring Well No. EcJ-3 Sampling Zone No. 5 Start Time 11:45 End Time 14:00
Water Level In MP Casing: (start) 61.35 (end) 61.42 Technicians CLM
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved (L)	
1	✓	✓	✓	✓	✓	✓	✓	18.76	✓	29.98	✓	29.58	✓	✓	18.74	1L	
2	✓	✓	✓	✓	✓	✓	✓	17.44	✓	29.95	✓	29.94	✓	✓	17.51	1L	
3	✓	✓	✓	✓	✓	✓	✓	17.43	✓	29.96	✓	29.85	✓	✓	17.91	1L	
4	✓	✓	✓	✓	✓	✓	✓	17.56	✓	29.96	✓	29.94	✓	✓	17.85	1L	
																	Total Volume 4 Litre

Field Determinations (Appearance, pH,S.C.,etc.)

Actual Depth 63'

Dup #1 taken here, labelled 18:00

VOC's PCB's, Metals sampled @ 12:00

MXSAMPLE2.sam
Oct. 98

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans ledge Location New Bedford Date 12-11-02
Monitoring Well No. ECJ-2 Sampling Zone No. 117 Start Time 10:19 End Time 10:50
Water Level In MP Casing: (start) 15.30 (end) 13.33 Technicians CLM/AJF
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	117.5	61.17	✓	62.44	✓	63.00	X	X	61.17	1L	
2	X	X	X	X	X	X	116.5	61.12	X	63.39	X	63.03	X	X	61.13	1L	
3	X	X	X	X	X	X	116.0	60.60	X	63.39	X	63.13	X	X	60.60	.75L	
																	Total Volume 2.75L

Field Determinations (Appearance, pH,S.C.,etc.)

1

VOCs, Metals, PCBs, SVOCs taken @ 10:50

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans ledge Location New Bedford Date 12-11-02
Monitoring Well No. ECJ-2 Sampling Zone No. 152 Start Time 8:35 End Time 9:50
Water Level In MP Casing: (start) 15.29 (end) 15.30 Technicians CLM / AJF
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	x	x	x	x	x	x	151.7 x	75.67	76.64	76.64	x	76.74	x	x	75.65	1L	
2	x	x	x	x	x	x	151.9	75.74	✓	76.41	✓	75.82	x	x	75.75	1L	
3	x	x	✓	x	x	x	151.9	75.75	✓	76.41	✓	74.52	x	x	75.70	1L	
																	Total Volume 3L

Field Determinations (Appearance, pH,S.C.,etc.)

1

Sampled for VOCs, PCBs, Metals, SVOCs @ 9:50

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12-11-02
Monitoring Well No. ECJ-2 Sampling Zone No. 47' Start Time 12:00 End Time 14:15
Water Level In MP Casing: (start) [illegible] 1610 (end) _____ Technicians CLM/AJF
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	46.2	30.77	✓	33.43	✓	33.40	✓	✓	30.79	1L	
2	✓	✓	✓	✓	✓	✓	46.8	30.74	✓	33.43	✓	33.39	✓	✓	30.75	1L	
3	✓	✓	✓	✓	✓	✓	46.9	30.71	✓	33.42	✓	33.39	✓	✓	30.72	1L	
4	✓	✓	✓	✓	✓	✓	46.8	30.71	✓	33.42	✓	33.39	✓	✓	30.70	1L	
5	✓	✓	✓	✓	✓	✓	46.8	30.64	✓	33.40	✓	33.39	✓	✓	30.65	1L	
6	✓	✓	✓	✓	✓	✓	46.8	30.60	✓	33.41	✓	33.39	✓	✓	30.62	1L	
7	✓	✓	✓	✓	✓	✓	46.8	30.60	✓	33.41	✓	33.39	✓	✓	30.60	1L	
8	✓	✓	✓	✓	✓	✓	47.0	30.59	✓	33.41	✓	33.38	✓	✓	30.58	1L	
9	✓	✓	✓	✓	✓	✓	47	29.51	✓	33.42	✓	33.41	✓	✓	30.58	0.5L	
																	Total Volume 8.5L

Field Determinations (Appearance, pH,S.C.,etc.)

1

VOC's, PCB's, Metals, SVOCs Sampled @ 13:45
MS/MSD also collected @ 13:45

~~PCB @ 13:15, 13:20, 13:25~~
~~SVOCs @ 13:30, 13:35, 13:40~~
~~metals @ 13:45~~
~~VOCs @~~

LAB

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans Lodge Location New Bedford Date 12-11-02
Monitoring Well No. ECJ-2 Sampling Zone No. 82 Start Time 11:06 End Time 11:45
Water Level In MP Casing: (start) 15.55 (end) 15.3 Technicians CLM/AJF
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks: Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Position Sampler: Locate port release arm land probe	Sample Collection Checks: Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	Comments
1	x	x	x	x	x	x	81.11	46.10	✓	48.92	✓	48.33	✓	✓	46.10	1L	
2	x	x	x	x	x	x	81.04	46.06	x	48.87	x	48.48	✓	✓	46.07	1L	
3	x	x	x	x	x	x	82.00	46.04	x	48.88	x	48.54	x	x	46.53	.75L	
																	Total Volume 2.75L

Field Determinations (Appearance, pH,S.C.,etc.)

VOCs, Metals, PCBs, SVOCs taken @ 11:45

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans Ledge Location New Bedford Date 12/2/02
Monitoring Well No. CCJ-3 Sampling Zone No. 146 Start Time 10:20 End Time 11:10
Water Level In MP Casing: (start) 60.50 (end) 61.12 Technicians CCM/JAD
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks: Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Position Sampler: Locate port release arm land probe	Sample Collection Checks: Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	Comments
1	✓	✓	✓	✓	✓	✓	146.3	59.73	✓	71.20	✓	71.10	✓	✓	59.74	1L	
2	✓	✓	✓	✓	✓	✓	146.3	59.17	✓	71.15	✓	70.94	✓	✓	59.11	0.75L	
																	Total Volume 1.75

Field Determinations (Appearance, pH,S.C.,etc.)
Organic Smell

1

Actual Depth 158
VOC's PCB's Metals all Sampled @ 10.30

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans Ledge Location New Bedford Date 12-9-02
Monitoring Well No. CCJ-4 Sampling Zone No. 62 Start Time 12:53 End Time 13:21
Water Level In MP Casing: (start) 22.90 (end) _____ Technicians AJF/DJA
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	62	34.87	✓	40.55	✓	40.52	✓	✓	34.89	1 Liter	
2	✓	✓	✓	✓	✓	✓	62	34.35	✓	40.53	✓	40.52	✓	✓	34.35	3/4 Liter	22.90 in casing
																	Total Volume 1 3/4 L

Field Determinations (Appearance, pH,S.C.,etc.)

1

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/2/02
Monitoring Well No. ELJ-3U Sampling Zone No. 93' Start Time 12.15 End Time 12.55
Water Level In MP Casing: (start) 61.30 (end) 61.33 Technicians CLM/JAD
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	✓	34.90	✓	47.30	✓	47.29	✓	✓	35.31	¾ litre	One bottle valve not closed properly
2	✓	✓	✓	✓	✓	✓	✓	35.57	✓	47.29	✓	47.22	✓	✓	35.56	1 litre	
3	✓	✓	✓	✓	✓	✓	✓	34.71	✓	47.25	✓	47.21	✓	✓	34.52	½ litre	
																	Total Volume 2 ¼ litre

Field Determinations (Appearance, pH,S.C.,etc.)

1

(103') Actual Depth.
PCB's, Metals, VOC's @ 12.30

1

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/2/02
Monitoring Well No. ECI-3 Sampling Zone No. 126 Start Time 11:20 End Time 11:53
Water Level In MP Casing: (start) 61.12 (end) 61.30 Technicians CJM JAD
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	✓	50.96	✓	62.51	✓	62.36	✓	✓	50.91	1 liter	
2	✓	✓	✓	✓	✓	✓	✓	50.84	✓	62.48	✓	62.41	✓	✓	50.84	1 liter	
																	Total Volume 2 L

Field Determinations (Appearance, pH,S.C.,etc.)

1

Actual Depth (138')
VOC's, PCB's & Metals Sampled @ 11:35

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/5/02
Monitoring Well No. GQ-4 Sampling Zone No. 2/5 Start Time 9:00 End Time 10:30
Water Level In MP Casing: (start) 23.28 (end) _____ Technicians AJF/DTA
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks: Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Position Sampler: Locate port release arm land probe	Sample Collection Checks: Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	Comments
1	✓	✓	✓	✓	✓	✓	247	114.63	✓	120.48	✓	119.68	✓	✓	114.30	3/4 liter	
2	✓	✓	✓	✓	✓	✓	248.2	114.87	✓	120.30	✓	119.59	✓	✓	114.87	3/4 liter	
3	✓	✓	✓	✓	✓	✓	248.5	114.07	✓	120.35	✓	119.68	✓	✓	114.89	3/4 liter	
																	Total Volume 2 1/4 liter

Field Determinations (Appearance, pH,S.C.,etc.)

1

VOCs, PCB's & Metals Sample @ 9:30

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12-9-02
Monitoring Well No. EJ-4 Sampling Zone No. 162 Start Time 10:56 End Time 11:38
Water Level In MP Casing: (start) 22.91 (end) _____ Technicians AJF / DJA
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	162.5	78.51	✓	84.07	✓	83.92	✓	✓	78.51	1 liter	(22.91) water in well
2	✓	✓	✓	✓	✓	✓	162	78.46	✓	84.06	✓	83.84	✓	✓	78.46	1 liter	
																	Total Volume 2 litre

Field Determinations (Appearance, pH,S.C.,etc.)

1

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/5/02
Monitoring Well No. ECI-4 Sampling Zone No. 227 Start Time 11:50am End Time 13:00
Water Level In MP Casing: (start)_____ (end)_____ Technicians AJF/DJA
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks: Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Position Sampler: Locate port release arm land probe	Sample Collection Checks: Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	Comments
1	✓	✓	✓	✓	✓	✓	226.5	106.54	✓	111.88	✓	111.42	✓	✓	106.49	3/4 litre	
2	✓	✓	✓	✓	✓	✓	227	106.44	✓	111.75	✓	111.56	✓	✓	106.45	1 litre	
3	✓	✓	✓	✓	✓	✓	227	106.44	✓	111.79	✓	111.31	✓	✓	105.7	1/4 litre	
																	Total Volume 2 litre

Field Determinations (Appearance, pH,S.C.,etc.)

1

VOCs, PCB's & Metals sampled @ 9:50

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12-9-02
Monitoring Well No. EC-4 Sampling Zone No. 87 Start Time 12:15 End Time 12:40
Water Level In MP Casing: (start)_____ (end)_____ Technicians AJF/DJA
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	87	45.68	✓	51.43	✓	51.42	✓	✓	45.69	1	
2	✓	✓	✓	✓	✓	✓	87	45.16	✓	51.44	✓	51.41	✓	✓	45.19	1	
																	Total Volume 2 Litre

Field Determinations (Appearance, pH,S.C.,etc.)

1

2290

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12-9-02
Monitoring Well No. ECJ-4 Sampling Zone No. 132 Start Time 11:44 End Time 12:05
Water Level In MP Casing: (start)_____ (end)_____ Technicians AJF/DTA
Sampler Probe Preparation - See Sampling Plan Collection Bottle Preparation - See Sampling Plan

Run No.	Surface Function Checks						Position Sampler	Sample Collection Checks									Comments
	Activate Shoe	Close Valve	Check Vacuum	Open Valve	Evacuate Container	Close Valve	Locate port release arm land probe	Pressure in MP ( )	Activate Shoe	Pressure in Zone ( )	Open Valve	Final Zone Pressure ( )	Close Valve	Retract Shoe	Pressure in MP ( )	Volume Retrieved ( )	
1	✓	✓	✓	✓	✓	✓	132	65.37	✓	71.11	✓	71.03	✓	✓	65.39	1	
2	✓	✓	✓	✓	✓	✓	132	64.85	✓	71.11	✓	71.06	✓	✓	64.87	1	
																	Total Volume 2 litre

Field Determinations (Appearance, pH,S.C.,etc.)

1

MXSAMPLE2.sam
Oct. 96

Appendix E

Winter 2002 Data Validation Report

REPORT

Sullivan's Ledge Superfund Site Ground Water Data Validation Winter 2002 Round

Sullivan's Ledge Project
Management Committee

April 2003

O'BRIEN & GERE
ENGINEERS, INC.

5509/28602

REPORT

Sullivan's Ledge Superfund Site Ground Water Data Validation Winter 2002 Round

Sullivan's Ledge Project Management Committee

James R. Heckathorne, P.E.
Vice President

April 2003

O'BRIEN & GERE ENGINEERS, INC.

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List of Appendices

A Validated results

1. Introduction

Data validation was performed for the ground water samples and ground water treatment plant influent samples collected from the Sullivan's Ledge Site in New Bedford, Massachusetts between December 4 and 17, 2002. Mabbett & Associates (M&A) performed sample collection activities, and Alpha Analytical Laboratories performed sample analysis. Samples were validated for target compound list volatile organic compounds, semivolatile organic compounds, polychlorinated biphenyls (PCBs), and metals.

1.1. General considerations

Validation is a process of determining the suitability of a measurement system for providing useful analytical data. Although the term is frequently used in discussing analytical methods, it applies to all aspects of the process and especially to the samples, their measurement, and the actual data generated. Data validation was preformed in accordance with the applicable quality control outlined in the following documents:

- Field Sampling Plan (FSP) and Quality Assurance Project and Quality Assurance Project Plan (QAPP) First Operable Unit, Sullivan's Ledge Site, New Bedford, Massachusetts (O'Brien & Gere, January 2000) as modified by M&A's letter dated March 14, 2001, Alpha Analytical Laboratory Quality Manual (Alpha Analytical, October 2000), and by O'Brien & Gere's letter dated February 11, 2002.

- Test Methods for Evaluating Solid Wastes: Physical and Chemical Methods, SW-846, Final Update III, (USEPA, December 1996).

- Region I USEPA-New England (NE) Data Validation Functional Guidelines for Evaluating Environmental Analyses, Part II, Volatile/Semivolatile Data Validation Functional Guidelines (USEPA Region I, December 1996).

- USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluation of Organic and Inorganic Analyses (USEPA Region I, November 1988 and February 1989).

- USEPA Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A), 540/1-89/002 (USEPA, revised 1992).

The following sections of this document address distinct aspects of the validation process. Section 2 lists the analytical methodology employed in sample analysis. Section 3 lists the data quality assurance/quality control (QA/QC) protocols used to validate the sample data. Specific QA/QC excursions and qualifications performed on the sample data are discussed in Section 4. Data usability with respect to the intended purposes of the data is discussed in Section 5.

2. Analytical methods

Samples were analyzed by Alpha Analytical Laboratories utilizing the USEPA methods presented in Test Methods for Evaluating Solid Waste (USEPA, December 1996) shown in Table 2.1.

Table 2.1 ***Analytical methods.***

Parameter	*Analytical Method*
Volatile organic compounds (74 target)	8260B
Semivolatile organic compounds (99 target)	8270C
PCBs (6 target)	8082
Metals (23 target including mercury)	6010B/7470A

Source: O'Brien & Gere Engineers, Inc.

Analytical results are presented in Appendix A. The letters found immediately to the right of individual sample results serve to qualify the sample data. When the data validation process identified more than one quality control deficiency, the qualifier added to the sample result represents the cumulative effect of the individual QC excursions. Consistent with the listed guidance document, the following qualifiers may be used during the data validation:

U — Indicates that the compound was analyzed for, but was not detected. The quantitation limit is presented and adjusted for dilution. This qualifier is also used when the quantitation limit is raised due to presence of blank contamination.

J — Indicates that the detected sample result should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

UJ — Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

R — Indicates that the previously reported detection limit or sample result was rejected due to a major deficiency in the data generation procedure. The data should not be used for qualitative or quantitative purposes.

3. Data validation protocols

Quality control data were evaluated based on accuracy and precision criteria specified in Section 3.3 of the site specific FSP and QAPP and Alpha's QM. The following are method specific QA/QC parameters used in the validation of sample data generated for this investigation:

Volatile and semivolatile analyses

- Holding times and sample preservation
- GC/MS tuning criteria
- Initial and continuing calibration
- Blank analysis
- Surrogate recovery
- Internal standard performance
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Field duplicate analysis
- Laboratory control sample (LCS) analysis
- System performance
- Target compound identification, quantitation, and reporting limits
- Documentation completeness
- Overall data assessment

PCB analyses

- Holding times and sample preservation
- Initial and continuing calibration
- Blank analysis
- Surrogate recovery and retention time shift
- Internal standard performance
- MS/MSD analysis
- Field duplicate analysis
- LCS analysis
- System performance
- Target compound identification, quantitation, and reporting limits
- Documentation completeness
- Overall data assessment

Metals analyses

- Holding times and sample preservation
- Initial and continuing calibration
- Interference check standard analysis
- Blank analysis
- Matrix spike (MS) analysis
- Laboratory duplicate analysis
- Serial dilution analysis
- Field duplicate analysis
- LCS analysis
- Analyte quantitation and reporting limits
- Documentation completeness
- Overall data assessment

In accordance with the QAPP, laboratory control limits were used to assess MS/MSD, LCS, surrogate, and laboratory duplicate data. Field duplicate data were assessed based on requirements specified in the QAPP. Based on guidance provided in EPA Region I's validation guidelines (USEPA Region I, November 1988, February 1989, December 1996), analytical data were qualified in the following manner when laboratory control limits were not met:

- If percent recoveries were less than laboratory control limits but greater than ten percent, non-detected and detected results were qualified as approximate (UJ, J).

- If percent recoveries were greater than laboratory control limits, detected results were qualified as approximate (J).

- If percent recoveries were less than ten percent, detected results were qualified as approximate (J) and non-detected results were qualified as rejected (R).

- If relative percent differences (RPDs) for MSDs and laboratory duplicates were outside of laboratory control limits, detected results greater than the laboratory reporting limit were qualified as approximate (J).

- If RPDs were >50% (>± 2xMRL for results <5xMRL) for field duplicates, detected results greater than the method reporting limit (MRL) were qualified as approximate (J).

It should be noted that qualification of data for MS/MSD analyses was performed only when both MS and MSD percent recoveries were outside of laboratory control limits. Qualification of data was not performed if MS/MSD or surrogate recoveries were outside of laboratory control limits due to sample dilution. Additionally, for MS/MSD and field duplicate

excursions for organic analyses qualifications of data was limited for the unspiked sample or the field duplicate pair unless otherwise stated.

4. Data quality evaluation

This section summarizes the QA/QC parameters that met validation criteria and describes qualifications performed on sample data when QA/QC criteria were not met. Samples that required qualification are identified in the following sections by the sample location documented on the field chain of custody record. Equipment and trip blank data were used to assess contamination that may have been introduced during field sampling and sample shipment and were not qualified with respect to QA/QC excursions.

Field chain of custody records were accurate and complete. Samples were received on ice and cooler temperatures met requirements.

A total of forty-two ground water locations were sampled. In addition, one ground water treatment plant composite sample, and six ground water treatment influent samples were collected. Field duplicate (ten percent), MS/MSD (five percent), equipment blanks (EB) and trip blanks (TB) were collected at the frequency specified in Section 2.6.6 of the site specific FSP and QAPP. Dedicated sampling equipment was used to collect the ground water samples with the exception of the Westbay wells. An equipment blank was collected from the Westbay sampling equipment as required. Table 4.1 summarizes the field QC samples that were collected.

Table 4.1. ***Field QC sample Collection.***

Field Duplicate IDs	*MS/MSD ID*	*Equipment Blank*	*Trip Blanks*
DUP1 = ECJ-3-51	MW-13	12/17/02	12/3/02
DUP2= MW-8	ECJ-2-47		12/5/02
DUP3= BEI-2	MW-2		12/10/02
DUP4=MW-15			12/12/02
DUP5=MW-13A			

Table Notes:

Trip blanks were identified by date received. A trip blank was present in each sample cooler containing volatile organic samples as required.

Source: O'Brien & Gere Engineers, Inc.

4.1. Volatile and semivolatile organic analyses

Forty-two ground water, six ground water treatment plant influent, and associated QC samples were analyzed and validated for the volatile organic compounds. In addition, five ground water, one groundwater treatment plant composite, six ground water treatment plant influent, and

associated QC samples were analyzed and validated for semivolatile organic compounds. The following QA/QC parameters met validation criteria or did not result in qualification of data:

- Holding times and sample preservation
- GC/MS tuning criteria
- Initial calibration
- Blank analysis
- Surrogate recovery
- Internal standard performance
- LCS analysis
- System performance
- Target compound identification and quantitation
- Documentation completeness

Continuing calibration. It should be noted that LCSs for volatile analyses are the same as the continuing calibration standards and, according to the laboratory, are prepared independently from the initial calibration standards. Semivolatile calibration standards were analyzed in three mix solutions due to large number of target compounds analyzed.

Validation percent difference requirement (%D<25%) was not met in several instances. Table 4.2 is a summary of the data qualified. It should be noted that when %Ds were >100% for acrolein, the instrument sensitivity increased, therefore, reporting limits were not adjusted. Laboratory corrective actions were not required by the method since calibration requirements were met for the selected system performance check compounds and calibration check compounds.

Table 4.2 ***Qualification of volatile and semivolatile data: excursions from continuing calibration.***

Analysis Date	*Compound*	*%D*	*Action*	*Samples Affected*
12/9/02 08:30	acetone	30.4	UJ	ECJ-3-91, ECJ-3-146, ECJ-3-126, ECJ-3-51, DUP1(ECJ-3-51), MW-13
	tetrahydrofuran	34.2	UJ	
12/9/02 16:57	bromomethane	66.1	UJ	ECJ-1-267, ECJ-1-148, MW-16, ECJ-1-37, ECJ-1-62, ECJ-1-72, BEI-3, BEI-2, DUP3(BEI-2), OBG-2, BEI-1
	acrolein	126	UJ	
	methyl iodine	31.3	UJ	
	trans-1,4-dichloro-2-butene	56.3	UJ	
12/10/02 08:35	bromomethane	30.9	UJ	ECJ-1-122, Shallow Collection Trench, MW-8, ECJ-4-245, ECJ-4-227, MW-8A
	acrolein	26.9	UJ	
	methyl iodine	50.6	UJ	
	2-hexanone	28.3	UJ	
	trans-1,4-dichloro-2-butene	28.4	UJ	
12/11/02 08:46	bromomethane	55.6	UJ	DUP2(MW-8), OBG-1, ECJ-4-87, ECJ-4-62, ECJ-4-162, ECJ-4-132, MW-10, MW-10B
	methyl iodine	39.1	UJ	
	tetrahydrofuran	25.6	UJ	
	trans-1,4-dichloro-2-butene	55.6	UJ	
	acrolein	136	UJ	

Table 4.2 ***Qualification of volatile and semivolatile data: excursions from continuing calibration.***

Analysis Date	*Compound*	*%D*	*Action*	*Samples Affected*
12/17/02 15:31	tetrahydrofuran	118	UJ	MW-6A, MW-5A, MW-5
12/18/02 08:52	dichlorodifluoromethane	42.1	UJ	MW-13A, DUP5(MW-13A), MW-2, MW-15, DUP4(MW-15), MW-12AR, MW-10AR, MW-4A, MW-17
	carbon disulfide	50.3	UJ	
	2-hexanone	29.8	UJ	
	trans-1,4-dichloro-2-butene	58.4	UJ	
12/18/02 09:57	carbon disulfide	31.1	UJ	MW-24, MW-6, GCA-1, ECJ-2-47, ECJ-2-187, ECJ-2-152, ECJ-2-82
	1,2-dibromo-3-chloropropane	28.5	UJ	
12/19/02 09:30	carbon disulfide	28.7	UJ	MW-14, MW-4, ECJ-2-117
12/7/02 11:06	hexachloropropene	26.5	UJ	BEI-3, OBG-1, BEI-2, DUP3(BEI-2), OBG-2, BEI-1, Shallow Collection Trench
12/13/02 15:29	4-chloroaniline	27.5	UJ	ECJ-2-47
12/14/02 05:31	4-chloroaniline	35.9	UJ	ECJ-2-187, ECJ-2-152, ECJ-2-117, ECJ-2-82

Source: O'Brien & Gere Engineers, Inc.

MS/MSD analysis. Percent recoveries and/or relative percent differences (RPDs) were outside of laboratory control limits in some instances. Table 4.3 is a summary of the qualified data.

Table 4.3. ***Qualification of volatile data: excursions from MS/MSD criteria.***

MS/MSD ID	*Compound*	*%Recoveries or RPD*	*Action*	*Samples Affected*
MW-13	vinyl chloride	23% RPD	J	MW-13
	acetone	48%, 44% Recoveries	UJ	
ECJ-4-132	methyl iodine	46%, 43% Recoveries	UJ	ECJ-4-132
	acetone	54%, 53% Recoveries	UJ	
	trans-1,4-dichloro-2-butene	49%, 50% Recoveries	UJ	
ECJ-2-47	acetone	40%, 41% Recoveries	UJ	ECJ-2-47
	2-butanone	39%, 36% Recoveries	UJ	
	2-hexanone	34%, 36% Recoveries	UJ	

Source: O'Brien & Gere Engineers, Inc.

Field duplicate analysis. Precision criteria was not met for benzene (RPD 38%), chloroethane (RPD 38%) and m/p-xylenes (RPD 39%) in field duplicate pairs MW-15 and DUP4(MW-15). Detected results for these compounds were qualified as approximate in samples MW-15 and DUP4(MW-15).

Target compound identification and reporting limits. Target compound identification was performed in accordance with method requirements. It should be noted that the following compounds were reported as part of volatile list (8260B) and semivolatile list (8270C): 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, hexachlorobutadiene, naphthalene, and 1,2,4-trichlorobenzene.

Elevated reporting limits were reported for volatile analyses in several ground water samples based on sample dilutions performed prior to analysis. Dilutions were performed by the laboratory based on historical data and are documented on the data validation summary tables. Sample dilutions were performed at the appropriate levels.

Overall data assessment. Volatile and semivolatile analyses and their respective QC procedures were performed in accordance with analytical method and QAPP requirements. Volatile and semivolatile data are useable for qualitative and quantitative purposes. Data were qualified as approximate in some instances due to minor excursions from continuing calibration, MS/MSD, and field duplicate criteria.

4.2. PCB analyses

Forty-two ground water, six ground water treatment plant influent, and associated QC samples were analyzed and validated for PCBs. The following QA/QC parameters met criteria or did not result in qualification of data:

- Holding times and sample preservation
- Continuing calibration
- Blank analysis
- Surrogate recovery and retention time shift
- Internal standard analysis
- MS/MSD analysis
- Field duplicate analysis
- LCS analysis
- System performance
- Documentation completeness

Initial calibration. As required by method 8082, the laboratory performed five point initial calibration for PCB Aroclors 1016/1242 and 1260. Quantitation was performed for these Aroclors using the average RRF determined from the initial calibration. Midpoint concentration standards were than analyzed for PCB Aroclors 1248, 1221, and 1254 during each analytical sequence. Quantitation for these Aroclors was performed using the RRF calculated from the midpoint standard analyzed during each sequence. The QAPP required that five point calibration be performed for the PCB Aroclors detected at the Site. During this sampling event PCB Aroclors detected included 1016/1242

in sixteen samples, 1248 in one sample, and 1254 in nine samples. The laboratory should have performed five point initial calibration for PCB Aroclors 1248 and 1254. Qualification of results for PCB Aroclors 1248 and 1254 were not performed based on the following observations made during the validation:

- The RRFs for the midpoint calibration standards for PCB Aroclors 1248 and 1254 were consistent for each GC instrument over the several analytical sequences that were performed.
- LCS and MS/MSD samples spiked with PCB Aroclor 1254 met recovery requirements.
- Calibration requirements were met for PCB Aroclors 1016/1242 which was the most frequently detected Aroclor at the Site.

Target compound identification, quantitation, and reporting limits. Based on 100% review of the data, the laboratory performed identification in accordance with method requirements. For the majority of samples in which PCBs were detected, the laboratory documented that the PCB Aroclors that were identified exhibited an altered pattern. Samples that exhibited altered PCB patterns have been identified in data validation summary tables, included as Appendix A. Based on review of the raw data, peaks were present within retention time windows established for the identified PCB Arcolors on both primary and confirmation columns utilized by the laboratory. The pattern did not match with respect to peak ratios. The Aroclors that were identified by the laboratory represent the closest match. Therefore, additional qualification of data with respect to PCB Aroclor identification was not required.

The internal standard method was utilized for quantitation for primary and confirmation analyses. Based on review of ten percent of the data, PCB aroclor quantitation was performed in accordance with method requirements. PCB concentrations were above the linear calibration range for samples ECJ-1-148, OBG-1, OBG-2, BEI-1, MW-24, and GCA-1. These samples were diluted and reanalyzed and the results were reported from the diluted run as appropriate. Detected results were qualified as approximate if the percent difference (%D) was greater than 40% between the reported result and the confirmation result. Table 4.2 is a summary of the data qualified.

Table 4.4 ***Qualification of PCB data: quantitation.***

Sample ID	*PCB Aroclor*	*Comments*	*Action*
GCA-1	1242/1016	%D 52%	J
ECJ-1-122	1242/1016	%D 56%.	J

Source: O'Brien & Gere Engineers, Inc.

Reporting limits were elevated by a factor of two for the following samples: ECJ-4-245, ECJ-4-227, MW-13A, DUP5(MW-13A), MW-2, MW-15, DUP4(MW-15), MW-12AR, and GCA-1. Samples ECJ-4-245 and ECJ-4-227 were diluted by a factor of two in order to minimize

interferences from sulfur. The remaining samples were extracted with final volume of 1 milliliter in place of 0.5 milliliters that was required.

Overall data assessment. Overall, PCB analyses and QA/QC procedures were performed in accordance with analytical method and QAPP requirements. The initial calibration performed did not include Aroclors 1248 and 1254 as required by the QAPP. Qualification of data was not performed since initial calibration met USEPA Method 8082 requirements and calibration standards for PCB Aroclors 1248 and 1254 were analyzed for the analytical sequences in which these Aroclors were detected. PCB data are useable for qualitative and quantitative purposes. PCB results for Aroclor 1016/1242 were qualified as approximate in samples GCA-1 and ECJ-1-122 based on a minor excursion from quantitation requirements.

4.3. Metal analyses

Forty-two ground water treatment plant influent and associated QC samples were analyzed and validated for target analyte list metals. The following QA/QC parameters met criteria or did not result in qualification of data:

- Holding times and sample preservation
- Initial and continuing calibration
- Blank analysis
- Interference check standard analysis
- Matrix spike analysis
- Laboratory duplicate analysis
- Serial dilution analysis
- LCS analysis
- Field duplicate analysis
- Analyte quantitation and reporting limits
- Documentation completeness

Overall data assessment. The laboratory performed metal analyses and QA/QC procedures in accordance with analytical method and QAPP requirements. Metals data are usable for qualitative and quantitative purposes without further qualification.

5. Data usability

Analytical data were validated for samples collected from the Sullivan's Ledge Site in New Bedford, Massachusetts. Ground water samples and ground water treatment plant influent samples were validated for target compound list volatile organic compounds, semivolatile organic compounds, PCBs, and metals based on accuracy and precision criteria specified in documents referenced in Section 1. When excursions were observed from QA/QC requirements, the analytical data were qualified based on guidance provided in the USEPA Region I validation guidelines (USEPA Region I, November 1988, February 1989, and December 1996).

Minor deficiencies in the data generation process resulted in approximation of sample data. Approximation of a data point indicates uncertainty in the reported concentration of the analyte, but not its assigned identity. The conservative assumptions used in the development of conclusions based on the analytical data verifies that approximated analytical data adheres to the project data quality objectives. This approach to the use of analytical data is consistent with the guidance presented in the *USEPA Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A), 540/1-89/002* (USEPA, December 1992).

This section summarizes the adherence of the analytical data to the data quality objectives (DQOs) established in the QAPP for precision, accuracy, representativeness, comparability, completeness, and sensitivity. A detailed discussion of the analytes and samples that were qualified is presented in Section 4. Summary tables of validated sample results with data validation qualifiers have been provided in Appendix A of this report.

Data quality objectives were evaluated using percent usability, defined as the percentage of sample results that are usable for qualitative and quantitative purposes.

Precision was assessed from laboratory MSD and field duplicate analyses. Data usability with respect to precision was calculated as 100%. Detected results were qualified as approximate for three compounds in the field duplicate samples collected from MW-15.

Accuracy was assessed from GC/MS tuning, calibration, surrogate recovery, internal standard performance MS/MSD, and LCS data. Data usability with respect to accuracy was calculated as 100%. Minor excursions from continuing calibration and MS/MSD requirements resulted in approximation of data as follows:

- vinyl chloride and 2-butanone in one sample

- acetone, 1,2-dibromo-3-chloropropane, dichlorodifluoromethane, hexachloropropene, and 4-chloroaniline in less than ten samples
- 2-hexananoe, carbon disulfide, and tetrahydrofuran in sixteen to nineteen samples
- acrolein, bromomethane, and methyl iodine in twenty-five samples
- trans-1,4-dichloro-2-butene in thirty-four samples

Representativeness was assessed from holding times, sample preservation, blank analysis, target compound identification and quantitation, and sampling and analytical methodologies used. Data usability with respect to representativeness was 100%. Detected results for PCB Aroclor 1016/1242 were qualified as approximate in two samples based on minor excursions from quantitation requirement.

Comparability is a qualitative measure, therefore, usability calculations were not performed. Comparability requirements were met since standard analytical methods, reporting units, reference materials, and data deliverables were utilized by the laboratory.

Sensitivity requirements were met overall. Laboratory reporting limits were elevated for volatile organic compounds in the majority of samples based on the laboratory dilutions performed to obtain concentrations within the linear calibration range. Sample dilutions were performed in accordance with method requirements and were based on historical data. Laboratory reporting limits were elevated by a factor of two for PCBs in nine samples based on sample dilutions to minimize sulfur interferences and due to minor extraction error.

Data completeness was calculated as 100%, exceeding the 95% requirement established in the QAPP.

Appendix A

Validated Results

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	BEI-1	BEI-2	BEI-2 Dup	BEI-3	OBG-1	OBG-2	Shallow Trench	MW-2	MW-4	MW-4A
	SDG ID	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212735	L0212604	L0212763
	Dilution Factor	500	100	100	100	500	100	2	1	1	1
	Sample Date	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/16/02	12/12/02	12/17/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
1,1,1-Trichloroethane		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
1,1,2,2-Tetrachloroethane		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
1,1,2-Trichloroethane		380 U	75 U	75 U	75 U	380 U	75 U	1.5 U	0.75 U	7.5 U	0.75 U
1,1-Dichloroethane		380 U	75 U	75 U	75 U	380 U	75 U	1.5 U	1.2	7.5 U	0.75 U
1,1-Dichloroethene		250 U	50 U	50 U	50 U	250 U	50 U	1 U	3.8	5 U	0.5 U
1,1-Dichloropropene		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
1,2,3-Trichlorobenzene		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	4.6	25 U	2.5 U
1,2,3-Trichloropropane		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 U	50 U	5 U
1,2,4-Trichlorobenzene		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	16	25 U	2.5 U
Benzene, 1,2,4-trimethyl		1200 U	250 U	250 U	250 U	1200 U	250 U	5.2	2.5 U	25 U	2.5 U
Dibromochloropropane		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
1,2-Dibromoethane (EDB)		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
1,2-Dichlorobenzene		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
1,2-Dichloroethane		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
1,2-Dichloropropane		880 U	180 U	180 U	180 U	880 U	180 U	3.5 U	1.8 U	18 U	1.8 U
Benzene, 1,3,5-trimethyl-		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
1,3-Dichlorobenzene		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	15	25 U	2.5 U
1,3-Dichloropropane		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
1,4-Dichlorobenzene		1200 U	250 U	250 U	250 U	1200 U	250 U	11	45	25 U	2.5 U
1,4-Dichlorobutane		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 U	50 U	5 U
2,2-Dichloropropane		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
2-Butanone (MEK)		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 U	50 U	5 U
2-Hexanone		2500 U	500 U	500 U	500 U	2500 U	500 U	10 UJ	5 UJ	50 U	5 UJ
4-Methyl-2-pentanone (MIBK)		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 U	50 U	5 U
Acetone		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 U	50 U	5 U
Acrolein		6200 UJ	1200 UJ	1200 UJ	1200 UJ	6200 UJ	1200 UJ	25 UJ	12 U	120 U	12 U
Acrylonitrile		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 U	50 U	5 U
Benzene		250 U	140	130	50 U	300	540	94	84	9	0.5 U
Bromobenzene		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
Bromochloromethane		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
Bromodichloromethane		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
Bromoform		1000 U	200 U	200 U	200 U	1000 U	200 U	4 U	2 U	20 U	2 U
Bromomethane		500 UJ	100 UJ	100 UJ	100 UJ	500 UJ	100 UJ	2 UJ	1 U	10 U	1 U
Carbon disulfide		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 UJ	50 UJ	5 UJ

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	BEI-1	BEI-2	BEI-2 Dup	BEI-3	OBG-1	OBG-2	Shallow Trench	MW-2	MW-4	MW-4A
	SDG ID	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212735	L0212604	L0212763
	Dilution Factor	500	100	100	100	500	100	2	1	1	1
	Sample Date	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/16/02	12/12/02	12/17/02
	Units	ug/L	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	WATER
Carbon tetrachloride		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
Chlorobenzene		250 U	150	150	50 U	250 U	340	78	73	5 U	0.5 U
Chloroethane		500 U	100 U	100 U	100 U	500 U	100 U	8.9	23	10 U	1 U
Chloroform		380 U	75 U	75 U	75 U	380 U	75 U	1.5 U	0.75 U	7.5 U	0.75 U
Chloromethane		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
Dibromochloromethane		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
Dibromomethane		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 U	50 U	5 U
Dichlorodifluoromethane		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 UJ	50 U	5 UJ
Diethyl ether		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
Ethyl methacrylate		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 U	50 U	5 U
Ethylbenzene		1100	320	300	89	850	180	1 U	0.64	5 U	0.5 U
Hexachlorobutadiene		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
Methyl iodide		2500 UJ	500 UJ	500 UJ	500 UJ	2500 UJ	500 UJ	10 UJ	5 U	50 U	5 U
Isopropylbenzene		250 U	50 U	50 U	50 U	250 U	50 U	12	2.5	5 U	0.5 U
Methyl tert butyl ether		500 U	100 U	100 U	100 U	500 U	100 U	2 U	1 U	10 U	1 U
Methylene chloride		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	50 U	2.5 U
Naphthalene		1200 U	250 U	250 U	250 U	1200 U	250 U	7.1	2.5 U	25 U	2.5 U
Styrene		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
Tetrachloroethene		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
Tetrahydrofuran		5000 U	1000 U	1000 U	1000 U	5000 UJ	1000 U	20 U	13	100 U	10 U
Toluene		780	100	94	75 U	970	170	1.5 U	1.4	7.5 U	0.75 U
Trichloroethene		7600	73	68	2100	1100	71	1 U	320	590	0.5 U
Trichlorofluoromethane		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
Vinyl acetate		2500 U	500 U	500 U	500 U	2500 U	500 U	10 U	5 U	50 U	5 U
Vinyl chloride		820	1600	1500	300	1000	750	2 U	120	39	1 U
cis-1,2-Dichloroethene		19000	11000	9600	7200	22000	6700	1.1	470	440	0.51
cis-1,3-Dichloropropylene		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
n-Butylbenzene		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
n-Propylbenzene		250 U	50 U	50 U	50 U	250 U	50 U	2.2	1.5	5 U	0.5 U
2-Chlorotoluene		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
o-Xylene		250 U	50 U	50 U	50 U	250 U	50 U	1.6	1.1	5 U	0.5 U
4-Chlorotoluene		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
p-Isopropyltoluene		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
m,p-Xylenes		250 U	50 U	50 U	50 U	250 U	50 U	5.5	0.5 U	5 U	0.5 U
sec-Butylbenzene		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

	Sample ID	BEI-1	BEI-2	BEI-2 Dup	BEI-3	OBG-1	OBG-2	Shallow Trench	MW-2	MW-4	MW-4A
	SDG ID	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212735	L0212604	L0212763
	Dilution Factor	500	100	100	100	500	100	2	1	1	1
	Sample Date	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/16/02	12/12/02	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		1200 U	250 U	250 U	250 U	1200 U	250 U	5 U	2.5 U	25 U	2.5 U
trans-1,2-Dichloroethene		380 U	75 U	75 U	75 U	380 U	75 U	1.5 U	9.6	7.5 U	0.75 U
trans-1,3-Dichloropropene		250 U	50 U	50 U	50 U	250 U	50 U	1 U	0.5 U	5 U	0.5 U
trans-1,4-Dichloro-2-butene		1200 UJ	250 UJ	250 UJ	250 UJ	1200 UJ	250 UJ	5 UJ	2.5 UJ	25 U	2.5 UJ

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	MW-5	MW-5A	MW-6	MW-6A	MW-8	MW-8 Dup	MW-8A	MW-10	MW-10AR	MW-10B
	SDG ID	L0212604	L0212604	L0212604	L0212604	L0212377	L0212377	L0212377	L0212520	L0212763	L0212520
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/12/02	12/12/02	12/11/02	12/11/02	12/05/02	12/05/02	12/05/02	12/10/02	12/17/02	12/10/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane		0.75 U	0.75 U	75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		0.75 U	0.75 U	75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		2.5 U	2.5 U	250 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane		1.8 U	1.8 U	180 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		2.5 U	2.5 U	250 U	2.7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	500 U	5 U	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
4-Methyl-2-pentanone (MIBK)		5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein		12 U	12 U	1200 U	12 U	12 UJ	12 UJ	12 UJ	12 UJ	12 U	12 UJ
Acrylonitrile		5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene		0.5 U	0.5 U	50 U	5.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		2 U	2 U	200 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane		1 U	1 U	100 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ
Carbon disulfide		5 U	5 U	500 UJ	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	MW-5	MW-5A	MW-6	MW-6A	MW-8	MW-8 Dup	MW-8A	MW-10	MW-10AR	MW-10B
	SDG ID	L0212604	L0212604	L0212604	L0212604	L0212377	L0212377	L0212377	L0212520	L0212763	L0212520
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/12/02	12/12/02	12/11/02	12/11/02	12/05/02	12/05/02	12/05/02	12/10/02	12/17/02	12/10/02
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		0.5 U	0.5 U	50 U	25	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane		1 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform		0.75 U	0.75 U	75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
Diethyl ether		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		5 U	5 U	500 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ
Isopropylbenzene		0.5 U	0.5 U	50 U	0.52	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether		2	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride		5 U	5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		10 UJ	10 UJ	1000 U	10 UJ	10 U	10 UJ	10 U	10 UJ	10 U	10 UJ
Toluene		0.75 U	0.75 U	75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.4	0.5 U	0.8
Trichlorofluoromethane		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride		1 U	1 U	2200	37	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene		0.5 U	0.5 U	3900	20	0.5 U	0.5 U	0.5 U	3.4	0.5 U	2
cis-1,3-Dichloropropylene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

	Sample ID	MW-5	MW-5A	MW-6	MW-6A	MW-8	MW-8 Dup	MW-8A	MW-10	MW-10AR	MW-10B
	SDG ID	L0212604	L0212604	L0212604	L0212604	L0212377	L0212377	L0212377	L0212520	L0212763	L0212520
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/12/02	12/12/02	12/11/02	12/11/02	12/05/02	12/05/02	12/05/02	12/10/02	12/17/02	12/10/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		2.5 U	2.5 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 U	250 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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XP File [redacted]9_SUL[redacted]8602_S[redacted]ND\TA[redacted]FXP

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	MW-12AR	MW-13	MW-13A	MW-13A Dup	MW-14	MW-15	MW-15 Dup	MW-16	MW-17	MW-24
	SDG ID	L0212735	L0212377	L0212735	L0212735	L0212604	L0212735	L0212735	L0212246	L0212763	L0212604
	Dilution Factor	1	1	1	1	2	2.5	1	1	1	100
	Sample Date	12/16/02	12/04/02	12/16/02	12/16/02	12/11/02	12/16/02	12/16/02	12/02/02	12/17/02	12/11/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
1,1,1-Trichloroethane		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
1,1,2-Trichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	1.5 U	1.9 U	0.75 U	0.75 U	0.75 U	75 U
1,1-Dichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	1.5 U	1.9 U	0.75 U	0.75 U	0.75 U	75 U
1,1-Dichloroethene		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
1,1-Dichloropropene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
1,2,3-Trichloropropane		5 U	5 U	5 U	5 U	10 U	12 U	5 U	5 U	5 U	500 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	39	2.5 U	2.5 U	250 U
Dibromochloropropane		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 UJ
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
1,2-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
1,2-Dichloroethane		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
1,2-Dichloropropane		1.8 U	1.8 U	1.8 U	1.8 U	3.5 U	4.4 U	1.8 U	1.8 U	1.8 U	180 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
1,3-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	4	2.5 U	2.5 U	250 U
1,3-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
1,4-Dichlorobenzene		8.1	2.5 U	2.5 U	2.5 U	7	12	15	2.5 U	2.5 U	250 U
1,4-Dichlorobutane		5 U	5 U	5 U	5 U	10 U	12 U	5 U	5 U	5 U	500 U
2,2-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
2-Butanone (MEK)		5 U	5 U	5 U	5 U	10 U	12 U	5 U	5 U	5 U	500 U
2-Hexanone		5 UJ	5 U	5 UJ	5 UJ	10 U	12 UJ	5 UJ	5 U	5 UJ	500 U
4-Methyl-2-pentanone (MIBK)		5 U	5 U	5 U	5 U	10 U	12 U	5 U	5 U	5 U	500 U
Acetone		5 U	5 UJ	5 U	5 U	10 U	12 U	5 U	5 U	5 U	500 U
Acrolein		12 U	12 U	12 U	12 U	25 U	31 U	12 U	12 UJ	12 U	1200 U
Acrylonitrile		5 U	5 U	5 U	5 U	10 U	12 U	5 U	5 U	5 U	500 U
Benzene		100	0.5 U	0.5 U	0.5 U	100	150 J	220 J	0.5 U	0.5 U	4100
Bromobenzene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
Bromodichloromethane		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
Bromoform		2 U	2 U	2 U	2 U	4 U	5 U	2 U	2 U	2 U	200 U
Bromomethane		1 U	1 U	1 U	1 U	2 U	2.5 U	1 U	1 UJ	1 U	100 U
Carbon disulfide		5 UJ	5 U	5 UJ	5 UJ	10 UJ	12 UJ	5 UJ	5 U	5 UJ	500 UJ

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	MW-12AR	MW-13	MW-13A	MW-13A Dup	MW-14	MW-15	MW-15 Dup	MW-16	MW-17	MW-24
	SDG ID	L0212735	L0212377	L0212735	L0212735	L0212604	L0212735	L0212735	L0212246	L0212763	L0212604
	Dilution Factor	1	1	1	1	2	2.5	1	1	1	100
	Sample Date	12/16/02	12/04/02	12/16/02	12/16/02	12/11/02	12/16/02	12/16/02	12/02/02	12/17/02	12/11/02
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
Chlorobenzene		60	0.76	1.1	1.1	18	18	23	0.5 U	0.5 U	160
Chloroethane		9.6	1 U	1 U	1 U	14	13 J	19 J	1 U	1 U	100 U
Chloroform		0.75 U	0.75 U	0.75 U	0.75 U	1.5 U	1.9 U	0.75 U	0.75 U	0.75 U	75 U
Chloromethane		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
Dibromochloromethane		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
Dibromomethane		5 U	5 U	5 U	5 U	10 U	12 U	5 U	5 U	5 U	500 U
Dichlorodifluoromethane		5 UJ	5 U	5 UJ	5 UJ	10 U	12 UJ	5 UJ	5 U	5 UJ	500 U
Diethyl ether		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
Ethyl methacrylate		5 U	5 U	5 U	5 U	10 U	12 U	5 U	5 U	5 U	500 U
Ethylbenzene		0.51	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
Hexachlorobutadiene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
Methyl iodide		5 U	5 U	5 U	5 U	10 U	12 U	5 U	5 UJ	5 U	500 U
Isopropylbenzene		14	0.5 U	0.5 U	0.5 U	1.2	2.3	3.6	0.5 U	0.5 U	50 U
Methyl tert butyl ether		1 U	1 U	1 U	1 U	2 U	2.5 U	1 U	1 U	1 U	100 U
Methylene chloride		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
Naphthalene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	3.8	2.5 U	2.5 U	250 U
Styrene		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
Tetrachloroethene		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
Tetrahydrofuran		10 U	10 UJ	10 U	10 U	20 U	25 U	10 U	10 U	10 U	1000 U
Toluene		0.75 U	0.75 U	0.75 U	0.75 U	1.5 U	1.9 U	0.75 U	0.75 U	0.75 U	75 U
Trichloroethene		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.56	1000
Trichlorofluoromethane		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
Vinyl acetate		5 U	5 U	5 U	5 U	10 U	12 U	5 U	5 U	5 U	500 U
Vinyl chloride		1 U	5.9 J	8.6	8.8	2 U	2.5 U	1 U	1 U	1 U	110
cis-1,2-Dichloroethene		0.5 U	3.8	5.4	5.5	1 U	1.2 U	0.5 U	0.5 U	0.5 U	230
cis-1,3-Dichloropropylene		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
n-Butylbenzene		0.86	0.5 U	0.5 U	0.5 U	1 U	1.4	2.2	0.5 U	0.5 U	50 U
n-Propylbenzene		2	0.5 U	0.5 U	0.5 U	1 U	2.9	4.4	0.5 U	0.5 U	50 U
2-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
o-Xylene		0.74	0.5 U	0.5 U	0.5 U	1 U	1.4	2.2	0.5 U	0.5 U	50 U
4-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
p-Isopropyltoluene		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.3	2.2	0.5 U	0.5 U	50 U
m,p-Xylenes		1	0.5 U	0.5 U	0.5 U	1 U	9.4 J	14 J	0.5 U	0.5 U	50 U
sec-Butylbenzene		0.62	0.5 U	0.5 U	0.5 U	1 U	1.2	2	0.5 U	0.5 U	50 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

	Sample ID	MW-12AR	MW-13	MW-13A	MW-13A Dup	MW-14	MW-15	MW-15 Dup	MW-16	MW-17	MW-24
	SDG ID	L0212735	L0212377	L0212735	L0212735	L0212604	L0212735	L0212735	L0212246	L0212763	L0212604
	Dilution Factor	1	1	1	1	2	2.5	1	1	1	100
	Sample Date	12/16/02	12/04/02	12/16/02	12/16/02	12/11/02	12/16/02	12/16/02	12/02/02	12/17/02	12/11/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		2.5 U	2.5 U	2.5 U	2.5 U	5 U	6.2 U	2.5 U	2.5 U	2.5 U	250 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	0.75 U	0.75 U	1.5 U	1.9 U	0.75 U	0.75 U	0.75 U	75 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	0.5 U	0.5 U	1 U	1.2 U	0.5 U	0.5 U	0.5 U	50 U
trans-1,4-Dichloro-2-butene		2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	5 U	6.2 UJ	2.5 UJ	2.5 UJ	2.5 UJ	250 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	GCA-1	ECJ-1-37	ECJ-1-62	ECJ-1-72	ECJ-1-122	ECJ-1-148	ECJ-1-267	ECJ-2-47	ECJ-3-51 Dup	ECJ-2-82
	SDG ID	L0212604	L0212377	L0212377	L0212377	L0212377	L0212246	L0212246	L0212604	L0212246	L0212604
	Dilution Factor	5	1	20	500	100	1000	1	40	1	500
	Sample Date	12/12/02	12/04/02	12/04/02	12/04/02	12/03/02	12/03/02	12/03/02	12/11/02	12/02/02	12/11/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
1,1,1-Trichloroethane		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
1,1,2,2-Tetrachloroethane		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
1,1,2-Trichloroethane		3.8 U	0.75 U	15 U	380 U	75 U	750 U	0.75 U	30 U	0.75 U	380 U
1,1-Dichloroethane		3.8 U	0.75 U	15 U	380 U	75 U	750 U	0.75 U	30 U	0.75 U	380 U
1,1-Dichloroethene		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
1,1-Dichloropropene		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
1,2,3-Trichlorobenzene		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
1,2,3-Trichloropropane		25 U	5 U	100 U	2500 U	500 U	5000 U	5 U	200 U	5 U	2500 U
1,2,4-Trichlorobenzene		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
Benzene, 1,2,4-trimethyl		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
Dibromochloropropane		12 UJ	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 UJ	2.5 U	1200 UJ
1,2-Dibromoethane (EDB)		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
1,2-Dichlorobenzene		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
1,2-Dichloroethane		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
1,2-Dichloropropane		8.8 U	1.8 U	35 U	880 U	180 U	1800 U	1.8 U	70 U	1.8 U	880 U
Benzene, 1,3,5-trimethyl-		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
1,3-Dichlorobenzene		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
1,3-Dichloropropane		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
1,4-Dichlorobenzene		23	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
1,4-Dichlorobutane		25 U	5 U	100 U	2500 U	500 U	5000 U	5 U	200 U	5 U	2500 U
2,2-Dichloropropane		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
2-Butanone (MEK)		25 U	5 U	100 U	2500 U	500 U	5000 U	5 U	200 UJ	5 U	2500 U
2-Hexanone		25 U	5 U	100 U	2500 U	500 UJ	5000 U	5 U	200 UJ	5 U	2500 U
4-Methyl-2-pentanone (MIBK)		25 U	5 U	100 U	2500 U	500 U	5000 U	5 U	200 U	5 U	2500 U
Acetone		25 U	5 U	100 U	2500 U	500 U	5000 U	5 U	200 UJ	5 UJ	2500 U
Acrolein		62 U	12 UJ	250 UJ	6200 UJ	1200 UJ	12000 UJ	12 UJ	500 U	12 U	6200 U
Acrylonitrile		25 U	5 U	100 U	2500 U	500 U	5000 U	5 U	200 U	5 U	2500 U
Benzene		600	1.5	10 U	250 U	450	500 U	0.5 U	20 U	0.5 U	250 U
Bromobenzene		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
Bromochloromethane		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
Bromodichloromethane		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
Bromoform		10 U	2 U	40 U	1000 U	200 U	2000 U	2 U	80 U	2 U	1000 U
Bromomethane		5 U	1 UJ	20 UJ	500 UJ	100 UJ	1000 UJ	1 UJ	40 U	1 U	500 U
Carbon disulfide		25 UJ	5 U	100 U	2500 U	500 U	5000 U	5 U	200 UJ	5 U	2500 UJ

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	GCA-1	ECJ-1-37	ECJ-1-62	ECJ-1-72	ECJ-1-122	ECJ-1-148	ECJ-1-267	ECJ-2-47	ECJ-3-51 Dup	ECJ-2-82
	SDG ID	L0212604	L0212377	L0212377	L0212377	L0212377	L0212246	L0212246	L0212604	L0212246	L0212604
	Dilution Factor	5	1	20	500	100	1000	1	40	1	500
	Sample Date	12/12/02	12/04/02	12/04/02	12/04/02	12/03/02	12/03/02	12/03/02	12/11/02	12/02/02	12/11/02
	Units	ug/L	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	WATER
Carbon tetrachloride		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
Chlorobenzene		280	4	10 U	250 U	220	500 U	0.5 U	20 U	0.5 U	250 U
Chloroethane		5 U	1 U	20 U	500 U	100 U	1000 U	1 U	40 U	1 U	500 U
Chloroform		3.8 U	0.75 U	15 U	380 U	75 U	750 U	0.75 U	30 U	0.75 U	380 U
Chloromethane		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
Dibromochloromethane		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
Dibromomethane		25 U	5 U	100 U	2500 U	500 U	5000 U	5 U	200 U	5 U	2500 U
Dichlorodifluoromethane		25 U	5 U	100 U	2500 U	500 U	5000 U	5 U	200 U	5 U	2500 U
Diethyl ether		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
Ethyl methacrylate		25 U	5 U	100 U	2500 U	500 U	5000 U	5 U	200 U	5 U	2500 U
Ethylbenzene		23	3.9	10 U	650	510	1400	0.97	20 U	0.5 U	1100
Hexachlorobutadiene		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
Methyl iodide		25 U	5 UJ	100 UJ	2500 UJ	500 UJ	5000 UJ	5 UJ	200 U	5 U	2500 U
Isopropylbenzene		13	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
Methyl tert butyl ether		5 U	1 U	20 U	500 U	100 U	1000 U	1 U	40 U	1 U	500 U
Methylene chloride		25 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	200 U	2.5 U	2500 U
Naphthalene		60	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
Styrene		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
Tetrachloroethene		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
Tetrahydrofuran		50 U	11	200 U	5000 U	1000 U	10000 U	10 U	400 U	10 UJ	5000 U
Toluene		7.6	2.9	15 U	380 U	77	1000	0.75 U	30 U	0.75 U	1100
Trichloroethene		2.5 U	0.5 U	10 U	250 U	180	500 U	21	110	0.5 U	250 U
Trichlorofluoromethane		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
Vinyl acetate		25 U	5 U	100 U	2500 U	500 U	5000 U	5 U	200 U	5 U	2500 U
Vinyl chloride		5 U	4.5	360	8900	1600	2500	2.5	860	1 U	19000
cis-1,2-Dichloroethene		7.7	9.6	700	24000	7900	30000	15	2000	0.5 U	250 U
cis-1,3-Dichloropropylene		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
n-Butylbenzene		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
n-Propylbenzene		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
2-Chlorotoluene		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
o-Xylene		7.9	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
4-Chlorotoluene		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
p-Isopropyltoluene		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
m,p-Xylenes		32	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
sec-Butylbenzene		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

	Sample ID	GCA-1	ECJ-1-37	ECJ-1-62	ECJ-1-72	ECJ-1-122	ECJ-1-148	ECJ-1-267	ECJ-2-47	ECJ-3-51 Dup	ECJ-2-82
	SDG ID	L0212604	L0212377	L0212377	L0212377	L0212377	L0212246	L0212246	L0212604	L0212246	L0212604
	Dilution Factor	5	1	20	500	100	1000	1	40	1	500
	Sample Date	12/12/02	12/04/02	12/04/02	12/04/02	12/03/02	12/03/02	12/03/02	12/11/02	12/02/02	12/11/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		12 U	2.5 U	50 U	1200 U	250 U	2500 U	2.5 U	100 U	2.5 U	1200 U
trans-1,2-Dichloroethene		3.8 U	0.75 U	15 U	380 U	75 U	750 U	0.75 U	30 U	0.75 U	380 U
trans-1,3-Dichloropropene		2.5 U	0.5 U	10 U	250 U	50 U	500 U	0.5 U	20 U	0.5 U	250 U
trans-1,4-Dichloro-2-butene		12 U	2.5 UJ	50 UJ	1200 UJ	250 UJ	2500 UJ	2.5 UJ	100 U	2.5 U	1200 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	ECJ-2-117	ECJ-2-152	ECJ-2-187	ECJ-3-51	ECJ-3-91	ECJ-3-126	ECJ-3-146	ECJ-4-62	ECJ-4-87	ECJ-4-132
	SDG ID	L0212604	L0212604	L0212604	L0212246	L0212246	L0212246	L0212246	L0212520	L0212520	L0212520
	Dilution Factor	200	500	200	1	1	1	1	1	1	1
	Sample Date	12/11/02	12/11/02	12/11/02	12/02/02	12/02/02	12/02/02	12/02/02	12/09/02	12/09/02	12/09/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane		150 U	380 U	150 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		150 U	380 U	150 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		100 U	250 U	340	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		500 U	1200 UJ	500 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane		350 U	880 U	350 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		1000 U	2500 U	1000 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 UJ
Acrolein		2500 U	6200 U	2500 U	12 U	12 U	12 U	12 U	12 UJ	12 UJ	12 UJ
Acrylonitrile		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene		100 U	250 U	150	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		400 U	1000 U	400 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane		200 U	500 U	200 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ
Carbon disulfide		1000 UJ	2500 UJ	1000 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	ECJ-2-117	ECJ-2-152	ECJ-2-187	ECJ-3-51	ECJ-3-91	ECJ-3-126	ECJ-3-146	ECJ-4-62	ECJ-4-87	ECJ-4-132
	SDG ID	L0212604	L0212604	L0212604	L0212246	L0212246	L0212246	L0212246	L0212520	L0212520	L0212520
	Dilution Factor	200	500	200	1	1	1	1	1	1	1
	Sample Date	12/11/02	12/11/02	12/11/02	12/02/02	12/02/02	12/02/02	12/02/02	12/09/02	12/09/02	12/09/02
	Units	ug/L	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	WATER
Carbon tetrachloride		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane		200 U	500 U	200 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform		150 U	380 U	150 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Diethyl ether		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene		1300	900	3000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ
Isopropylbenzene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether		200 U	500 U	200 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride		1000 U	2500 U	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		2000 U	5000 U	2000 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Toluene		1300	1600	2600	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		100 U	250 U	980	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		1000 U	2500 U	1000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride		15000	18000	11000	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene		12000	38000	62000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropylene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

	Sample ID	ECJ-2-117	ECJ-2-152	ECJ-2-187	ECJ-3-51	ECJ-3-91	ECJ-3-126	ECJ-3-146	ECJ-4-62	ECJ-4-87	ECJ-4-132
	SDG ID	L0212604	L0212604	L0212604	L0212246	L0212246	L0212246	L0212246	L0212520	L0212520	L0212520
	Dilution Factor	200	500	200	1	1	1	1	1	1	1
	Sample Date	12/11/02	12/11/02	12/11/02	12/02/02	12/02/02	12/02/02	12/02/02	12/09/02	12/09/02	12/09/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		150 U	380 U	170	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		100 U	250 U	100 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		500 U	1200 U	500 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	ECJ-4-162	ECJ-4-227	ECJ-4-245	Equipment Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
	SDG ID	L0212520	L0212377	L0212377	L0212763	L0212520	L0212763	L0212377	L0212246
	Dilution Factor	1	1	1	1	1	1	1	1
	Sample Date	12/09/02	12/05/02	12/05/02	12/17/02	11/02/02	11/02/02	11/21/02	11/24/02
	Units	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
1,1,1,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein		12 UJ	12 UJ	12 UJ	12 U	12 U	12 U	12 U	12 U
Acrylonitrile		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane		1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U
Carbon disulfide		16	5 U	5 U	5 U	5 U	5 U	5 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	ECJ-4-162	ECJ-4-227	ECJ-4-245	Equipment Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
	SDG ID	L0212520	L0212377	L0212377	L0212763	L0212520	L0212763	L0212377	L0212246
	Dilution Factor	1	1	1	1	1	1	1	1
	Sample Date	12/09/02	12/05/02	12/05/02	12/17/02	11/02/02	11/02/02	11/21/02	11/24/02
	Units	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
Carbon tetrachloride		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		1.1	1.6	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Diethyl ether		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene		3.2	2.4	1.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		5 UJ	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		0.5 U	0.5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene		0.89	0.85	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride		5	2.2	1.3	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropylene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	ECJ-4-162	ECJ-4-227	ECJ-4-245	Equipment Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
	SDG ID	L0212520	L0212377	L0212377	L0212763	L0212520	L0212763	L0212377	L0212246
	Dilution Factor	1	1	1	1	1	1	1	1
	Sample Date	12/09/02	12/05/02	12/05/02	12/17/02	11/02/02	11/02/02	11/21/02	11/24/02
	Units	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
tert-Butylbenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data

Compound	Sample ID	BEI-1	BEI-2	BEI-2 Dup	BEI-3	OBG-1	OBG-2	Shallow Trench	GWTP COMP	ECJ-2-47	ECJ-2-82
	SDG ID	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212246	L0212604	L0212604
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/03/02	12/11/02	12/11/02
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
1,2,4-Trichlorobenzene		70	7.6	7.3	5 U	36	5.1	5 U	5 U	4.8 U	4.9 U
1,2-Dichlorobenzene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
1,3-Dichlorobenzene		5 U	5 U	5 U	5 U	5 U	7	5 U	5 U	4.8 U	4.9 U
1,4-Dichlorobenzene		8.9	9	8.7	5 U	6.9	20	9.1	5.5	4.8 U	4.9 U
1-Chloronaphthalene		5 U	5.9	6.4	5 U	6.6	19	9.5	5 U	4.8 U	4.9 U
1-Methylnaphthalene		5 U	9.8	9.8	5 U	9.9	18	15	9.5	4.8 U	4.9 U
2,4,5-Trichlorophenol		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
2,4,6-Trichlorophenol		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
2,4-Dichlorophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
2,4-Dimethylphenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
2,4-Dinitrophenol		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
2,4-Dinitrotoluene		6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	5.8 U	5.9 U
2,6-Dichlorophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
2,6-Dinitrotoluene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
2-Chloronaphthalene		6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	5.8 U	5.9 U
2-Chlorophenol		6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	5.8 U	5.9 U
2-Methylnaphthalene		8 U	8 U	8 U	8 U	8 U	16	8 U	8 U	7.7 U	7.9 U
2-Methylphenol		6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	5.8 U	5.9 U
2-Nitroaniline		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
2-Nitrophenol		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
2-Picoline		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
3,3-Dichlorobenzidine		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	48 U	49 U
3-Methylcholanthrene		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
3-Methylphenol/4-Methylphenol		6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	5.8 U	5.9 U
3-Nitroaniline		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
4,6-Dinitro-2-methylphenol		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
4-Aminobiphenyl		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
4-Bromophenyl phenyl ether		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
4-Chloroaniline		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 UJ	4.9 UJ
4-Chlorophenyl phenyl ether		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
4-Nitroaniline		7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	6.7 U	6.9 U
4-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
7,12-Dimethylbenz(a)anthracene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
Acenaphthene		5 U	5 U	5 U	5 U	5 U	5 U	7.2	5 U	4.8 U	4.9 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data

Compound	Sample ID	BEI-1	BEI-2	BEI-2 Dup	BEI-3	OBG-1	OBG-2	Shallow Trench	GWTP COMP	ECJ-2-47	ECJ-2-82
	SDG ID	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212246	L0212604	L0212604
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/03/02	12/11/02	12/11/02
	Units	ug/L	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	WATER
Acenaphthylene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Acetophenone		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
Aniline		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
Anthracene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Azobenzene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Benzidine		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	48 U	49 U
Benzo(a)anthracene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Benzo[a]pyrene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Benzo(b)fluoranthene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Benzo(e)pyrene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Benzo(ghi)perylene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Benzo(k)fluoranthene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Benzoic acid		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	48 U	49 U
Benzyl alcohol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
Biphenyl		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
bis(2-Chloroethoxy)methane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
bis(2-Chloroethyl)ether		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
2,2'-oxybis(1-Chloropropane)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
bis(2-Ethylhexyl)phthalate (BEHP)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
Butyl benzyl phthalate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Carbazole		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Chlorobenzilate		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
Chrysene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Di-n-butyl phthalate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Di-n-octyl phthalate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Dibenzo(a,h)anthracene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Dibenzofuran		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Diethyl phthalate		12 U	12 U	12 U	12 U	12 U	12 U	12 U	5.4	4.8 U	4.9 U
Dimethoate		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
Dimethyl phthalate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Ethyl methanesulfonate		15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	14 U	15 U
Fluoranthene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Fluorene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Hexachlorobenzene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Hexachlorobutadiene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data

Compound	Sample ID	BEI-1	BEI-2	BEI-2 Dup	BEI-3	OBG-1	OBG-2	Shallow Trench	GWTP COMP	ECJ-2-47	ECJ-2-82
	SDG ID	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212246	L0212604	L0212604
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/03/02	12/11/02	12/11/02
	Units	ug/L	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	WATER
Hexachlorocyclopentadiene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
Hexachloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Hexachloropropene		50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 U	48 U	49 U
Indeno(1,2,3-cd)pyrene		7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	6.7 U	6.9 U
Isodrin		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
Isophorone		5 U	5 U	5 U	5 U	7.4	5 U	5 U	5 U	4.8 U	4.9 U
Methyl methanesulfonate		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
NDPA/DPA		15 U	15 U	15 U	15 U	15 U	31	19	16	14 U	15 U
Naphthalene		13	7	6.9	5 U	100	90	6.3	12	4.8 U	4.9 U
Nitrobenzene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Nitrosodi-n-butylamine		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
Nitrosodipiperidine		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
Pentachlorobenzene		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
PCNB		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
Pentachlorophenol		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
Perylene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Phenacetin		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U
Phenanthrene		5 U	5 U	5 U	5 U	5 U	5 U	5.3	5 U	4.8 U	4.9 U
Phenol		7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	6.7 U	6.9 U
Pronamide		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
Pyrene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
Pyridine		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	48 U	49 U
a,a-Dimethylphenethylamine		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	48 U	49 U
a-Naphthylamine		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
b-Naphthylamine		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U
N-Nitrosodipropylamine		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
N-Nitrosodimethylamine		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	48 U	49 U
4-Chloro-3-methylphenol		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.8 U	4.9 U
p-Dimethylaminoazobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.6 U	9.9 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
Samples were analyzed undiluted.

 CONTINUED

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data

Compound	Sample ID	ECJ-2-117	ECJ-2-152	ECJ-2-187	Equipment Blank
	SDG ID	L0212604	L0212604	L0212604	L0212763
	Dilution Factor	1	1	1	1
	Sample Date	12/11/02	12/11/02	12/11/02	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L
	Matrix	WATER	WATER	WATER	WATER
1,2,4,5-Tetrachlorobenzene		20 U	19 U	19 U	20 U
1,2,4-Trichlorobenzene		4.9 U	4.8 U	4.8 U	5 U
1,2-Dichlorobenzene		4.9 U	4.8 U	4.8 U	5 U
1,3-Dichlorobenzene		4.9 U	4.8 U	4.8 U	5 U
1,4-Dichlorobenzene		4.9 U	4.8 U	4.8 U	5 U
1-Chloronaphthalene		4.9 U	4.8 U	4.8 U	5 U
1-Methylnaphthalene		4.9 U	4.8 U	4.8 U	5 U
2,4,5-Trichlorophenol		4.9 U	4.8 U	4.8 U	5 U
2,4,6-Trichlorophenol		4.9 U	4.8 U	4.8 U	5 U
2,4-Dichlorophenol		9.8 U	9.7 U	9.7 U	10 U
2,4-Dimethylphenol		9.8 U	9.7 U	9.7 U	10 U
2,4-Dinitrophenol		20 U	19 U	19 U	20 U
2,4-Dinitrotoluene		5.9 U	5.8 U	5.8 U	6 U
2,6-Dichlorophenol		9.8 U	9.7 U	9.7 U	10 U
2,6-Dinitrotoluene		4.9 U	4.8 U	4.8 U	5 U
2-Chloronaphthalene		5.9 U	5.8 U	5.8 U	6 U
2-Chlorophenol		5.9 U	5.8 U	5.8 U	6 U
2-Methylnaphthalene		7.8 U	7.8 U	7.8 U	8 U
2-Methylphenol		5.9 U	5.8 U	5.8 U	6 U
2-Nitroaniline		4.9 U	4.8 U	4.8 U	5 U
2-Nitrophenol		20 U	19 U	19 U	20 U
2-Picoline		20 U	19 U	19 U	20 U
3,3-Dichlorobenzidine		49 U	48 U	48 U	50 U
3-Methylcholanthrene		20 U	19 U	19 U	20 U
3-Methylphenol/4-Methylphenol		5.9 U	5.8 U	5.8 U	6 U
3-Nitroaniline		4.9 U	4.8 U	4.8 U	5 U
4,6-Dinitro-2-methylphenol		20 U	19 U	19 U	20 U
4-Aminobiphenyl		9.8 U	9.7 U	9.7 U	10 U
4-Bromophenyl phenyl ether		4.9 U	4.8 U	4.8 U	5 U
4-Chloroaniline		4.9 UJ	4.8 UJ	4.8 UJ	5 U
4-Chlorophenyl phenyl ether		4.9 U	4.8 U	4.8 U	5 U
4-Nitroaniline		6.8 U	6.8 U	6.8 U	7 U
4-Nitrophenol		9.8 U	9.7 U	9.7 U	10 U
7,12-Dimethylbenz(a)anthracene		9.8 U	9.7 U	9.7 U	10 U
Acenaphthene		4.9 U	4.8 U	4.8 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data

Compound	Sample ID	ECJ-2-117	ECJ-2-152	ECJ-2-187	Equipment Blank
	SDG ID	L0212604	L0212604	L0212604	L0212763
	Dilution Factor	1	1	1	1
	Sample Date	12/11/02	12/11/02	12/11/02	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L
	Matrix	WATER	WATER	WATER	WATER
Acenaphthylene		4.9 U	4.8 U	4.8 U	5 U
Acetophenone		20 U	19 U	19 U	20 U
Aniline		9.8 U	9.7 U	9.7 U	10 U
Anthracene		4.9 U	4.8 U	4.8 U	5 U
Azobenzene		4.9 U	4.8 U	4.8 U	5 U
Benzidine		49 U	48 U	48 U	50 U
Benzo(a)anthracene		4.9 U	4.8 U	4.8 U	5 U
Benzo[a]pyrene		4.9 U	4.8 U	4.8 U	5 U
Benzo(b)fluoranthene		4.9 U	4.8 U	4.8 U	5 U
Benzo(e)pyrene		4.9 U	4.8 U	4.8 U	5 U
Benzo(ghi)perylene		4.9 U	4.8 U	4.8 U	5 U
Benzo(k)fluoranthene		4.9 U	4.8 U	4.8 U	5 U
Benzoic acid		49 U	48 U	48 U	50 U
Benzyl alcohol		9.8 U	9.7 U	9.7 U	10 U
Biphenyl		4.9 U	4.8 U	4.8 U	5 U
bis(2-Chloroethoxy)methane		4.9 U	4.8 U	4.8 U	5 U
bis(2-Chloroethyl)ether		4.9 U	4.8 U	4.8 U	5 U
2,2'-oxybis(1-Chloropropane)		4.9 U	4.8 U	4.8 U	5 U
bis(2-Ethylhexyl)phthalate (BEHP)		13	9.7 U	20	10 U
Butyl benzyl phthalate		4.9 U	4.8 U	4.8 U	5 U
Carbazole		4.9 U	4.8 U	4.8 U	5 U
Chlorobenzilate		20 U	19 U	19 U	20 U
Chrysene		4.9 U	4.8 U	4.8 U	5 U
Di-n-butyl phthalate		4.9 U	4.8 U	4.8 U	5 U
Di-n-octyl phthalate		4.9 U	4.8 U	4.8 U	5 U
Dibenzo(a,h)anthracene		4.9 U	4.8 U	4.8 U	5 U
Dibenzofuran		4.9 U	4.8 U	4.8 U	5 U
Diethyl phthalate		4.9 U	4.8 U	4.8 U	5 U
Dimethoate		20 U	19 U	19 U	20 U
Dimethyl phthalate		4.9 U	4.8 U	4.8 U	5 U
Ethyl methanesulfonate		15 U	14 U	14 U	15 U
Fluoranthene		4.9 U	4.8 U	4.8 U	5 U
Fluorene		4.9 U	4.8 U	4.8 U	5 U
Hexachlorobenzene		4.9 U	4.8 U	4.8 U	5 U
Hexachlorobutadiene		9.8 U	9.7 U	9.7 U	10 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data

Compound	Sample ID	ECJ-2-117	ECJ-2-152	ECJ-2-187	Equipment Blank
	SDG ID	L0212604	L0212604	L0212604	L0212763
	Dilution Factor	1	1	1	1
	Sample Date	12/11/02	12/11/02	12/11/02	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L
	Matrix	WATER	WATER	WATER	WATER
Hexachlorocyclopentadiene		9.8 U	9.7 U	9.7 U	10 U
Hexachloroethane		4.9 U	4.8 U	4.8 U	5 U
Hexachloropropene		49 U	48 U	48 U	50 U
Indeno(1,2,3-cd)pyrene		6.8 U	6.8 U	6.8 U	7 U
Isodrin		9.8 U	9.7 U	9.7 U	10 U
Isophorone		4.9 U	4.8 U	4.8 U	5 U
Methyl methanesulfonate		20 U	19 U	19 U	20 U
NDPA/DPA		15 U	14 U	14 U	15 U
Naphthalene		4.9 U	4.8 U	4.8 U	5 U
Nitrobenzene		4.9 U	4.8 U	4.8 U	5 U
Nitrosodi-n-butylamine		9.8 U	9.7 U	9.7 U	10 U
Nitrosodipiperidine		20 U	19 U	19 U	20 U
Pentachlorobenzene		20 U	19 U	19 U	20 U
PCNB		9.8 U	9.7 U	9.7 U	10 U
Pentachlorophenol		20 U	19 U	19 U	20 U
Perylene		4.9 U	4.8 U	4.8 U	5 U
Phenacetin		9.8 U	9.7 U	9.7 U	10 U
Phenanthrene		4.9 U	4.8 U	4.8 U	5 U
Phenol		6.8 U	6.8 U	6.8 U	7 U
Pronamide		20 U	19 U	19 U	20 U
Pyrene		4.9 U	4.8 U	4.8 U	5 U
Pyridine		49 U	48 U	48 U	50 U
a,a-Dimethylphenethylamine		49 U	48 U	48 U	50 U
a-Naphthylamine		20 U	19 U	19 U	20 U
b-Naphthylamine		20 U	19 U	19 U	20 U
N-Nitrosodipropylamine		4.9 U	4.8 U	4.8 U	5 U
N-Nitrosodimethylamine		49 U	48 U	48 U	50 U
4-Chloro-3-methylphenol		4.9 U	4.8 U	4.8 U	5 U
p-Dimethylaminoazobenzene		9.8 U	9.7 U	9.7 U	10 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 3
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

Compound	Sample ID	BEI-1	BEI-2	BEI-2 Dup	BEI-3	OBG-1	OBG-2	Shallow Trench	MW-2	MW-4	MW-4A
	SDG ID	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212735	L0212604	L0212763
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/16/02	12/12/02	12/17/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.18	0.1 U	0.1 U	0.24
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.51	0.67	0.68	0.12	1.2	1.6	0.9	0.06	0.13	0.08
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		55	85	86	83	73	96	78	57	41	32
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.07	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		48	60	61	2.2	49	69	86	39	7.8	15
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.007	0.005 U	0.005 U	0.005 U
Magnesium		13	16	16	11	19	20	14	17	8.5	5
Manganese		8.8	7.6	7.6	9.4	8.5	6	2.1	3.9	1.8	1.3
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.053	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		7.7	8.7	9	4.7	9.8	13	11	6.2	2.1	2
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium		66	88	90	32	75	99	110	58	30	140
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.06	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 3
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

Compound	Sample ID	MW-5	MW-5A	MW-6	MW-6A	MW-8	MW-8 Dup	MW-8A	MW-10	MW-10AR	MW-10B
	SDG ID	L0212604	L0212604	L0212604	L0212604	L0212377	L0212377	L0212377	L0212520	L0212763	L0212520
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/12/02	12/12/02	12/11/02	12/11/02	12/05/02	12/05/02	12/05/02	12/10/02	12/17/02	12/10/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.14	0.1 U	0.1 U	0.1 U	0.1 U	15	0.1 U	5.8	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.08	0.15	0.03	0.06	0.01	0.01	0.11	0.02	0.06	0.04
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		110	31	92	64	120	120	100	96	34	88
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1	0.01 U	0.01	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02	0.01 U	0.01	0.01 U
Iron		0.21	0.12	11	8.3	6.4	7.1	21	15	15	40
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.013	0.005 U	0.015	0.005 U
Magnesium		22	9	27	19	48	49	52	57	11	53
Manganese		0.18	0.01	6.4	7	0.02	0.02	0.25	0.03	1.6	0.15
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		8.3	8.5	5.4	10	4.3	4.3	8.8	4.5	3.4	5.3
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium		130	240	73	110	52	55	61	37	17	59
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.03	0.01 U	0.01	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.07	0.05 U	0.06	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 3
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

Compound	Sample ID	MW-12AR	MW-13	MW-13A	MW-13A Dup	MW-14	MW-15	MW-15 Dup	MW-16	MW-17	MW-24
	SDG ID	L0212735	L0212377	L0212735	L0212735	L0212604	L0212735	L0212735	L0212246	L0212763	L0212604
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/16/02	12/04/02	12/16/02	12/16/02	12/11/02	12/16/02	12/16/02	12/02/02	12/17/02	12/11/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.14	0.13	0.16	0.11	0.1 U	0.1 U	0.11	0.16	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.94	0.2	0.2	0.21	0.08	0.19	0.2	0.06	0.08	0.27
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		100	36	41	42	64	57	57	32	59	47
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		56	42	41	42	36	59	60	14	0.69	19
Lead		0.005	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005	0.005 U
Magnesium		15	8.9	10	10	14	10	10	6.2	8	14
Manganese		1.1	7.8	9.9	9.9	4.1	4.9	5	1.2	1.5	2.8
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		11	7.2	7.1	7.3	11	9.7	9.6	7.3	5.5	7.4
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium		100	73	72	74	110	110	110	150	27	82
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 3
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

Compound	Sample ID	GCA-1	ECJ-1-37	ECJ-1-62	ECJ-1-72	ECJ-1-122	ECJ-1-148	ECJ-1-267	ECJ-2-47	ECJ-2-82	ECJ-2-117
	SDG ID	L0212604	L0212377	L0212377	L0212377	L0212377	L0212246	L0212246	L0212604	L0212604	L0212604
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/12/02	12/04/02	12/04/02	12/04/02	12/03/02	12/03/02	12/03/02	12/11/02	12/11/02	12/11/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	0.17	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		1.6	0.32	0.28	0.26	1.1	0.85	0.03	0.03	0.01	0.03
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		86	45	58	66	100	100	22	89	87	97
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		68	120	41	22	62	50	0.17	5.1	1.6	3.2
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		21	12	15	15	22	22	3.2	28	14	12
Manganese		4	6.6	6.3	6	4.9	4.7	0.21	4.1	0.38	0.96
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		14	8.6	6.4	4.2	11	8.4	1 U	4.8	2.8	2.8
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium		87	70	65	49	79	66	14	45	46	52
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	1.1	0.05 U	0.11	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 3
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

Compound	Sample ID	ECJ-2-152	ECJ-2-187	ECJ-3-51	ECJ-3-51 Dup	ECJ-3-91	ECJ-3-126	ECJ-3-146	ECJ-4-62	ECJ-4-87	ECJ-4-132
	SDG ID	L0212604	L0212604	L0212246	L0212246	L0212246	L0212246	L0212246	L0212520	L0212520	L0212520
	Dilution Factor	1	1	1	1	1	1	1	5	1	1
	Sample Date	12/11/02	12/11/02	12/02/02	12/02/02	12/02/02	12/02/02	12/02/02	12/09/02	12/09/02	12/09/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.19	0.1 U	0.1 U	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.12	0.11	0.04	0.04	0.03	0.04	0.06	0.01	0.01 U	0.01 U
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		67	55	39	39	31	47	37	120	130	120
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		2.2	0.97	13	14	19	9.1	0.33	0.25 U	0.05 U	0.05 U
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		7.5	7.3	12	12	12	19	10	50	47	47
Manganese		1.1	1	0.66	0.68	0.56	1	2.8	0.01 U	0.07	0.01 U
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		2.8	1.6	6.6	6.6	7.1	6.2	1.4	4.5	4.2	4.2
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium		49	48	130	120	100	120	16	58	57	58
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.07	0.05 U	0.05 U	0.83	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 3
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

	Sample ID	ECJ-4-162	ECJ-4-227	ECJ-4-245	Equipment Blank
	SDG ID	L0212520	L0212377	L0212377	L0212763
	Dilution Factor	1	1	1	1
	Sample Date	12/09/02	12/05/02	12/05/02	12/17/02
	Units	mg/L	mg/L	mg/L	mg/L
Compound	Matrix	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.01 U	0.01 U	0.01 U	0.01 U
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U
Calcium		100	52	47	0.1 U
Chromium		0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U
Iron		1	0.29	0.31	0.05 U
Lead		0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		20	4.4	4.2	0.1 U
Manganese		0.58	0.15	0.14	0.01 U
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U
Nickel		0.025 U	0.025 U	0.025 U	0.025 U
Potassium		2.9	1 U	1 U	1 U
Selenium		0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U
Sodium		28	25	25	1 U
Thallium		0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data

	Sample ID	BEI-1	BEI-2	BEI-2 Dup	BEI-3	OBG-1	OBG-2	Shallow Trench	MW-2	MW-4	MW-4A
	SDG ID	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212377	L0212735	L0212604	L0212763
	Dilution Factor	1	1	1	1	100	1	1	1	1	1
	Sample Date	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/05/02	12/16/02	12/12/02	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.25 U	0.252 U	0.252 U	0.25 U	0.25 U	0.252 U	0.25 U	0.5 U	0.25 U	0.25 U
Aroclor 1232		0.25 U	0.252 U	0.252 U	0.25 U	0.25 U	0.252 U	0.25 U	0.5 U	0.25 U	0.25 U
Aroclor 1242/1016		5.56 *	1.76 *	1.68 *	0.25 U	11.5 *	6.1 *	1.01	3.02	0.25 U	0.25 U
Aroclor 1248		0.25 U	0.252 U	0.252 U	0.25 U	0.25 U	0.252 U	0.25 U	0.5 U	0.25 U	0.25 U
Aroclor 1254		1.26 *	0.684 *	0.611 *	1.31 *	303	0.786 *	0.25 U	0.5 U	0.25 U	0.25 U
Aroclor 1260		0.25 U	0.252 U	0.252 U	0.25 U	0.25 U	0.252 U	0.25 U	0.5 U	0.25 U	0.25 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
* - Altered PCB Aroclor.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data

	Sample ID	MW-5	MW-5A	MW-6	MW-6A	MW-8	MW-8 Dup	MW-8A	MW-10	MW-10AR	MW-10B
	SDG ID	L0212604	L0212604	L0212604	L0212604	L0212377	L0212377	L0212377	L0212520	L0212763	L0212520
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/12/02	12/12/02	12/11/02	12/11/02	12/05/02	12/05/02	12/05/02	12/10/02	12/17/02	12/10/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.25 U	0.25 U	0.25 U	0.25 U	0.263 U	0.25 U	0.25 U	0.258 U	0.25 U	0.256 U
Aroclor 1232		0.25 U	0.25 U	0.25 U	0.25 U	0.263 U	0.25 U	0.25 U	0.258 U	0.25 U	0.256 U
Aroclor 1242/1016		0.25 U	0.25 U	0.25 U	0.282 *	0.263 U	0.25 U	0.25 U	0.258 U	0.25 U	0.256 U
Aroclor 1248		0.25 U	0.25 U	0.25 U	0.25 U	0.263 U	0.25 U	0.25 U	0.258 U	0.25 U	0.256 U
Aroclor 1254		0.25 U	0.25 U	0.25 U	0.25 U	0.263 U	0.25 U	0.25 U	0.258 U	0.25 U	0.256 U
Aroclor 1260		0.25 U	0.25 U	0.25 U	0.25 U	0.263 U	0.25 U	0.25 U	0.258 U	0.25 U	0.256 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
* - Altered PCB Aroclor.

O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data

	Sample ID	MW-12AR	MW-13	MW-13A	MW-13A Dup	MW-14	MW-15	MW-15 Dup	MW-16	MW-17	MW-24
	SDG ID	L0212735	L0212377	L0212735	L0212735	L0212604	L0212735	L0212735	L0212246	L0212763	L0212604
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/16/02	12/04/02	12/16/02	12/16/02	12/11/02	12/16/02	12/16/02	12/02/02	12/17/02	12/11/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.5 U	0.266 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U
Aroclor 1232		0.5 U	0.266 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U
Aroclor 1242/1016		1.07 *	0.266 U	0.5 U	0.5 U	0.25 U	2.66 *	2.61 *	0.25 U	0.25 U	23.6 *
Aroclor 1248		0.5 U	0.266 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U
Aroclor 1254		0.5 U	0.266 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U
Aroclor 1260		0.5 U	0.266 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.25 U	0.25 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
* - Altered PCB Aroclor.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data

Compound	Sample ID	GCA-1	ECJ-1-37	ECJ-1-62	ECJ-1-72	ECJ-1-122	ECJ-1-148	ECJ-1-267	ECJ-2-47	ECJ-3-51 Dup	ECJ-2-82
	SDG ID	L0212604	L0212377	L0212377	L0212377	L0212377	L0212246	L0212246	L0212604	L0212246	L0212604
	Dilution Factor	1	1	1	1	1	5	1	1	1	1
	Sample Date	12/12/02	12/04/02	12/04/02	12/04/02	12/03/02	12/03/02	12/03/02	12/11/02	12/02/02	12/11/02
	Units	ug/L	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	WATER
Aroclor 1221		0.25 U	0.258 U	0.258 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.255 U
Aroclor 1232		0.25 U	0.258 U	0.258 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.255 U
Aroclor 1242/1016		4.9 J*	1.35	0.258 U	0.25 U	1.62 J*	4.24 *	0.25 U	0.25 U	0.25 U	0.255 U
Aroclor 1248		6.32 *	0.258 U	0.258 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.255 U
Aroclor 1254		1.37	0.258 U	0.258 U	0.25 U	0.986 *	0.882 *	0.25 U	0.25 U	0.25 U	0.255 U
Aroclor 1260		0.25 U	0.258 U	0.258 U	0.25 U	0.25 U	0.338	0.25 U	0.25 U	0.25 U	0.255 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
* - Altered PCB Aroclor.

O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data

	Sample ID	ECJ-2-117	ECJ-2-152	ECJ-2-187	ECJ-3-51	ECJ-3-91	ECJ-3-126	ECJ-3-146	ECJ-4-62	ECJ-4-87	ECJ-4-132
	SDG ID	L0212604	L0212604	L0212604	L0212246	L0212246	L0212246	L0212246	L0212520	L0212520	L0212520
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/11/02	12/11/02	12/11/02	12/02/02	12/02/02	12/02/02	12/02/02	12/09/02	12/09/02	12/09/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.266 U	0.256 U	0.258 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26 U	0.26 U	0.258 U
Aroclor 1232		0.266 U	0.256 U	0.258 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26 U	0.26 U	0.258 U
Aroclor 1242/1016		0.266 U	0.256 U	0.258 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26 U	0.26 U	0.258 U
Aroclor 1248		0.266 U	0.256 U	0.258 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26 U	0.26 U	0.258 U
Aroclor 1254		0.266 U	0.256 U	0.258 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26 U	0.26 U	0.258 U
Aroclor 1260		0.266 U	0.256 U	0.258 U	0.25 U	0.25 U	0.25 U	0.25 U	0.26 U	0.26 U	0.258 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
* - Altered PCB Aroclor.

O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data

	Sample ID	ECJ-4-162	ECJ-4-227	ECJ-4-245	Equipment Blank
	SDG ID	L0212520	L0212377	L0212377	L0212763
	Dilution Factor	1	2	2	1
	Sample Date	12/09/02	12/05/02	12/05/02	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER
Aroclor 1221		0.255 U	0.5 U	0.5 U	0.25 U
Aroclor 1232		0.255 U	0.5 U	0.5 U	0.25 U
Aroclor 1242/1016		0.255 U	0.5 U	0.5 U	0.25 U
Aroclor 1248		0.255 U	0.5 U	0.5 U	0.25 U
Aroclor 1254		0.255 U	0.5 U	0.5 U	0.25 U
Aroclor 1260		0.255 U	0.5 U	0.5 U	0.25 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.
* - Altered PCB Aroclor.

Appendix F

1999/ 2001 / 2002 Historical Data Tables

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-1	BEI-1	INF-BEI-1	BEI-1	BEI-1	BEI-1	BEI-1	BEI-2	BEI-2	INF-BEI-2
	SDG ID	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561
	Dilution Factor	200	400	400	400	250	400	500	100	200	200
	Sample Date	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		500 U	200 U	200 U	200 U	120 U	200 U	250 U	250 U	100 U	100 U
1,1,1-Trichloroethane		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
1,1,2,2-Tetrachloroethane		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
1,1,2-Trichloroethane		150 U	300 U	300 U	300 U	190 U	300 U	380 U	75 U	150 U	150 U
1,1-Dichloroethane		150 U	300 U	300 U	300 U	190 U	300 U	380 U	75 U	150 U	150 U
1,1-Dichloroethene		150 U	200 U	200 U	200 U	120 U	200 U	250 U	75 U	100 U	100 U
1,1-Dichloropropene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
1,2,3-Trichlorobenzene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
1,2,3-Trichloropropane		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 U
1,2,4-Trichlorobenzene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
Benzene, 1,2,4-trimethyl		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
Dibromochloropropane		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
1,2-Dibromoethane (EDB)		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
1,2-Dichlorobenzene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
1,2-Dichloroethane		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
1,2-Dichloropropane		350 U	700 U	700 U	700 U	440 U	700 U	880 U	180 U	350 U	350 U
Benzene, 1,3,5-trimethyl-		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
1,3-Dichlorobenzene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
1,3-Dichloropropane		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
1,4-Dichlorobenzene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
1,4-Dichlorobutane		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 U
2,2-Dichloropropane		500 U	1000 U	1000 U	1000 U	—	1000 U	1200 U	250 U	500 U	500 U
2-Butanone (MEK)		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 U
2-Hexanone		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 U
4-Methyl-2-pentanone (MIBK)		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 U
Acetone		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 U	500 UJ	1000 U	1000 U
Acrolein		2500 U	5000 U	5000 U	5000 U	3100 U	5000 U	6200 UJ	1200 U	2500 U	2500 U
Acrylonitrile		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 U
Benzene		100 U	200 U	200 U	200 U	130	200 U	250 U	120	100 U	140
Bromobenzene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
Bromochloromethane		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
Bromodichloromethane		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
Bromoform		100 U	200 U	200 U	200 U	120 U	800 U	1000 U	50 U	100 U	100 U
Bromomethane		200 UJ	400 U	400 U	400 U	250 U	400 U	500 UJ	100 UJ	200 U	200 U
Carbon disulfide		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-1	BEI-1	INF-BEI-1	BEI-1	BEI-1	BEI-1	BEI-1	BEI-2	BEI-2	INF-BEI-2
	SDG ID	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561
	Dilution Factor	200	400	400	400	250	400	500	100	200	200
	Sample Date	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01
	Units	ug/L	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	WATER
Carbon tetrachloride		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
Chlorobenzene		350 U	200 U	200 U	200 U	120 U	200 U	250 U	180 U	100 U	100
Chloroethane		200 U	400 U	400 U	400 U	250 U	400 U	500 U	100 U	200 U	200 U
Chloroform		150 U	300 U	300 U	300 U	190 U	300 U	380 U	75 U	150 U	150 U
Chloromethane		1000 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	500 U	500 U	500 U
Dibromochloromethane		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
Dibromomethane		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 U
Dichlorodifluoromethane		1000 U	2000 U	2000 UJ	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 UJ
Diethyl ether		2500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	1200 U	500 U	500 U
Ethyl methacrylate		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 U
Ethylbenzene		1100	1200	1400	990	1700	200 U	1100	290	220	480
Hexachlorobutadiene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
Methyl iodide		1000 U	2000 U	2000 U	2000 U	1200 U	2000 U	2500 UJ	500 U	1000 U	1000 U
Isopropylbenzene		500 U	200 U	200 U	200 U	120 U	200 U	250 U	250 U	100 U	100 U
Methyl tert butyl ether		400 U	400 U	400 U	400 U	250 U	400 U	500 U	200 U	200 U	200 U
Methylene chloride		500 U	2000 U	1000 U	1000 U	600 U	2000 U	1200 U	250 U	1000 U	500 U
Naphthalene		500 U	1000 U	1000 U	1000 U	620 UJ	1000 U	1200 U	250 U	500 U	500 U
Styrene		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
Tetrachloroethene		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
Tetrahydrofuran		2000 U	4000 U	4000 U	4000 U	2500 U	4000 U	5000 U	1000 U	2000 U	2000 U
Toluene		960	1200	1100	860	1200	1000	780	76	150 U	220
Trichloroethene		13000	20000	20000	12000	16000	9600	7600	160	300	540
Trichlorofluoromethane		500 UJ	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
Vinyl acetate		1000 U	2000 U	2000 UJ	2000 U	1200 U	2000 U	2500 U	500 U	1000 U	1000 UJ
Vinyl chloride		490	600	800	570	750	400 U	820	840	850	2000
cis-1,2-Dichloroethene		12000	14000	20000	16000	20000	25000	19000	7400	5900	14000
cis-1,3-Dichloropropylene		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
n-Butylbenzene		500 U	200 U	200 U	200 U	120 U	200 U	250 U	250 U	100 U	100 U
n-Propylbenzene		500 U	200 U	200 U	200 U	120 U	200 U	250 U	250 U	100 U	100 U
2-Chlorotoluene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
o-Xylene		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
4-Chlorotoluene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
p-Isopropyltoluene		500 U	200 U	200 U	200 U	120 U	200 U	250 U	250 U	100 U	100 U
m,p-Xylenes		100 U	200 U	200 U	200 U	1300	1100	250 U	50 U	100 U	100 U
sec-Butylbenzene		500 U	200 U	200 U	200 U	120 U	200 U	250 U	250 U	100 U	100 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-1	BEI-1	INF-BEI-1	BEI-1	BEI-1	BEI-1	BEI-1	BEI-2	BEI-2	INF-BEI-2
	SDG ID	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561
	Dilution Factor	200	400	400	400	250	400	500	100	200	200
	Sample Date	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01
	Units	ug/L	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	WATER
tert-Butylbenzene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 U	250 U	500 U	500 U
trans-1,2-Dichloroethene		150 U	300 U	300 U	300 U	190 U	300 U	380 U	75 U	150 U	150 U
trans-1,3-Dichloropropene		100 U	200 U	200 U	200 U	120 U	200 U	250 U	50 U	100 U	100 U
trans-1,4-Dichloro-2-butene		500 U	1000 U	1000 U	1000 U	620 U	1000 U	1200 UJ	250 U	500 U	500 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-2	BEI-2	BEI-2	BEI-2	BEI-3	BEI-3	INF-BEI-3	BEI-3	BEI-3	BEI-3
	SDG ID	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486
	Dilution Factor	400	100	100	100	100	100	200	100	100	100
	Sample Date	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		200 U	50 U	50 U	50 U	250 U	50 U	100 U	50 U	50 U	50 U
1,1,1-Trichloroethane		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
1,1,2-Trichloroethane		300 U	75 U	75 U	75 U	75 U	75 U	150 U	75 U	75 U	75 U
1,1-Dichloroethane		300 U	75 U	75 U	75 U	75 U	75 U	150 U	75 U	75 U	75 U
1,1-Dichloroethene		200 U	50 U	50 U	50 U	75 U	50 U	100 U	50 U	50 U	50 U
1,1-Dichloropropene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
1,2,3-Trichlorobenzene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
1,2,3-Trichloropropane		2000 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
1,2,4-Trichlorobenzene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
Benzene, 1,2,4-trimethyl		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
Dibromochloropropane		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
1,2-Dibromoethane (EDB)		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
1,2-Dichlorobenzene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
1,2-Dichloroethane		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
1,2-Dichloropropane		700 U	180 U	180 U	180 U	180 U	180 U	350 U	180 U	180 U	180 U
Benzene, 1,3,5-trimethyl-		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
1,3-Dichlorobenzene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
1,3-Dichloropropane		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
1,4-Dichlorobenzene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
1,4-Dichlorobutane		2000 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
2,2-Dichloropropane		1000 U	—	250 U	250 U	250 U	250 U	500 U	250 U	—	250 U
2-Butanone (MEK)		2000 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
2-Hexanone		2000 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
4-Methyl-2-pentanone (MIBK)		2000 U	500 U	500 U	500 U	500 U	500 U	1000 UJ	500 U	500 U	500 U
Acetone		2000 U	500 U	500 U	500 U	500 UJ	500 U	1000 U	500 U	500 U	500 U
Acrolein		5000 U	1200 U	1200 U	1200 UJ	1200 U	1200 U	2500 UJ	1200 U	1200 U	1200 U
Acrylonitrile		2000 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
Benzene		200 U	120	92	140	50 U	50 U	100 U	50 U	50 U	50 U
Bromobenzene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
Bromochloromethane		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
Bromodichloromethane		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Bromoform		200 U	50 U	200 U	200 U	50 U	50 U	100 U	50 U	50 U	200 U
Bromomethane		400 U	100 U	100 U	100 UJ	100 UJ	100 U	200 U	100 U	100 U	100 U
Carbon disulfide		2000 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-2	BEI-2	BEI-2	BEI-2	BEI-3	BEI-3	INF-BEI-3	BEI-3	BEI-3	BEI-3
	SDG ID	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486
	Dilution Factor	400	100	100	100	100	100	200	100	100	100
	Sample Date	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02
	Units	ug/L	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	WATER
Carbon tetrachloride		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Chlorobenzene		200 U	160	120	150	180 U	50 U	100 U	50 U	50 U	50 U
Chloroethane		400 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
Chloroform		300 U	75 U	75 U	75 U	75 U	75 U	150 U	75 U	75 U	75 U
Chloromethane		1000 U	250 U	250 U	250 U	500 U	250 U	500 U	250 U	250 U	250 U
Dibromochloromethane		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Dibromomethane		2000 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
Dichlorodifluoromethane		2000 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
Diethyl ether		1000 U	250 U	250 U	250 U	1200 U	250 U	500 U	250 U	250 U	250 U
Ethyl methacrylate		2000 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
Ethylbenzene		530	250	210	320	50 U	83	100 U	50 U	72	52
Hexachlorobutadiene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
Methyl iodide		2000 U	500 U	500 U	500 UJ	500 U	500 U	1000 U	500 U	500 U	500 U
Isopropylbenzene		200 U	50 U	50 U	50 U	250 U	50 U	100 U	50 U	50 U	50 U
Methyl tert butyl ether		400 U	100 U	100 U	100 U	200 U	100 U	200 U	100 U	100 U	100 U
Methylene chloride		1000 U	250 U	250 U	250 U	250 U	500 U	500 U	250 U	250 U	250 U
Naphthalene		1000 U	250 UJ	250 U	250 U	250 U	250 U	500 U	250 U	250 UJ	250 U
Styrene		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Tetrachloroethene		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Tetrahydrofuran		4000 U	1000 U	1000 U	1000 U	1000 U	1000 U	2000 U	1000 U	1000 U	1000 U
Toluene		300 U	90	75 U	100	75 U	75 U	150 U	75 U	75 U	75 U
Trichloroethene		490	81	50 U	73	2600	4600	2400	2200	2200	1500
Trichlorofluoromethane		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
Vinyl acetate		2000 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
Vinyl chloride		1700	1200	1400	1600	100 U	160	200 U	130	190	100 U
cis-1,2-Dichloroethene		15000	7400	6800	11000	3400	6400	7400	4200	6400	5700
cis-1,3-Dichloropropylene		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
n-Butylbenzene		200 U	50 U	50 U	50 U	250 U	50 U	100 U	50 U	50 U	50 U
n-Propylbenzene		200 U	50 U	50 U	50 U	250 U	50 U	100 U	50 U	50 U	50 U
2-Chlorotoluene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
o-Xylene		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
4-Chlorotoluene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
p-Isopropyltoluene		200 U	50 U	50 U	50 U	250 U	50 U	100 U	50 U	50 U	50 U
m,p-Xylenes		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
sec-Butylbenzene		200 U	50 U	50 U	50 U	250 U	50 U	100 U	50 U	50 U	50 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-2	BEI-2	BEI-2	BEI-2	BEI-3	BEI-3	INF-BEI-3	BEI-3	BEI-3	BEI-3
	SDG ID	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486
	Dilution Factor	400	100	100	100	100	100	200	100	100	100
	Sample Date	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02
	Units	ug/L	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	WATER
tert-Butylbenzene		1000 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
trans-1,2-Dichloroethene		300 U	75 U	75 U	75 U	75 U	75 U	150 U	75 U	75 U	75 U
trans-1,3-Dichloropropene		200 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
trans-1,4-Dichloro-2-butene		1000 U	250 U	250 U	250 UJ	250 U	250 U	500 U	250 U	250 U	250 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-3	OBG-1	OBG-1	INF-OBG-1	OBG-1	OBG-1	OBG-1	OBG-2	OBG-2	INF-OBG-2
	SDG ID	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0212377	L0102477	L0108901	L0111561
	Dilution Factor	100	200	400	500	500	400	500	50	100	100
	Sample Date	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	12/05/02	03/21/01	09/24/01	12/06/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		50 U	500 U	200 U	250 U	250 U	200 U	250 U	120 U	50 U	50 U
1,1,1-Trichloroethane		50 U	100 U	200 U	250 U	250 U	200 U	250 U	25 U	50 U	50 U
1,1,2,2-Tetrachloroethane		50 U	100 U	200 U	250 U	250 U	200 U	250 U	25 U	50 U	50 U
1,1,2-Trichloroethane		75 U	150 U	300 U	380 U	380 U	300 U	380 U	38 U	75 U	75 U
1,1-Dichloroethane		75 U	150 U	300 U	380 U	380 U	300 U	380 U	38 U	75 U	75 U
1,1-Dichloroethene		50 U	150 U	200 U	250 U	250 U	200 U	250 U	38 U	50 U	50 U
1,1-Dichloropropene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
1,2,3-Trichlorobenzene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
1,2,3-Trichloropropane		500 U	1000 U	2000 U	2500 U	2500 U	2000 U	2500 U	250 U	500 U	500 U
1,2,4-Trichlorobenzene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
Benzene, 1,2,4-trimethyl		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
Dibromochloropropane		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
1,2-Dibromoethane (EDB)		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
1,2-Dichlorobenzene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
1,2-Dichloroethane		50 U	100 U	200 U	250 U	250 U	200 U	250 U	25 U	50 U	50 U
1,2-Dichloropropane		180 U	350 U	700 U	880 U	880 U	700 U	880 U	88 U	180 U	180 U
Benzene, 1,3,5-trimethyl-		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
1,3-Dichlorobenzene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
1,3-Dichloropropane		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
1,4-Dichlorobenzene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
1,4-Dichlorobutane		500 U	1000 U	2000 U	2500 U	2500 U	2000 U	2500 U	250 U	500 U	500 U
2,2-Dichloropropane		250 U	500 U	1000 U	1200 U	1200 U	—	1200 U	120 U	250 U	250 U
2-Butanone (MEK)		500 U	1000 U	2000 U	2500 U	2500 U	2000 U	2500 U	250 U	500 U	500 U
2-Hexanone		500 U	1000 U	2000 U	2500 U	2500 U	2000 U	2500 U	250 U	500 U	500 U
4-Methyl-2-pentanone (MIBK)		500 U	1000 U	2000 U	2500 U	2500 U	2000 U	2500 U	250 U	500 U	500 U
Acetone		500 U	1000 U	2000 U	2500 U	2500 U	2000 U	2500 U	250 U	500 U	500 U
Acrolein		1200 UJ	2500 U	5000 U	6200 U	6200 U	5000 U	6200 UJ	620 U	1200 U	1200 U
Acrylonitrile		500 U	1000 U	2000 U	2500 U	2500 U	2000 U	2500 U	250 U	500 U	500 U
Benzene		50 U	270	300	330	330	330	300	390	570	420
Bromobenzene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
Bromochloromethane		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
Bromodichloromethane		50 U	100 U	200 U	250 U	250 U	200 U	250 U	25 U	50 U	50 U
Bromoform		200 U	100 U	200 U	250 U	250 U	200 U	1000 U	25 U	50 U	50 U
Bromomethane		100 UJ	200 UJ	400 U	500 U	500 U	400 U	500 UJ	50 UJ	100 U	100 U
Carbon disulfide		500 U	1000 U	2000 U	2500 U	2500 U	2000 U	2500 U	250 U	500 U	500 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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File Number: 5509.28602

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-3	OBG-1	OBG-1	INF-OBG-1	OBG-1	OBG-1	OBG-1	OBG-2	OBG-2	INF-OBG-2
	SDG ID	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0212377	L0102477	L0108901	L0111561
	Dilution Factor	100	200	400	500	500	400	500	50	100	100
	Sample Date	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	12/05/02	03/21/01	09/24/01	12/06/01
	Units	ug/L	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	WATER
Carbon tetrachloride		50 U	100 U	200 U	250 U	250 U	200 U	250 U	25 U	50 U	50 U
Chlorobenzene		50 U	350 U	200 U	250 U	250 U	200 U	250 U	250	340	230
Chloroethane		100 U	200 U	400 U	500 U	500 U	400 U	500 U	50 U	100 U	100 U
Chloroform		75 U	150 U	300 U	380 U	380 U	300 U	380 U	38 U	75 U	75 U
Chloromethane		250 U	1000 U	1000 U	1200 U	1200 U	1000 U	1200 U	250 U	250 U	250 U
Dibromochloromethane		50 U	100 U	200 U	250 U	250 U	200 U	250 U	25 U	50 U	50 U
Dibromomethane		500 U	1000 U	2000 U	2500 U	2500 U	2000 U	2500 U	250 U	500 U	500 U
Dichlorodifluoromethane		500 U	1000 U	2000 U	2500 UJ	2500 U	2000 U	2500 U	250 U	500 U	500 UJ
Diethyl ether		250 U	2500 U	1000 U	1200 U	1200 U	1000 U	1200 U	620 U	250 U	250 U
Ethyl methacrylate		500 U	1000 U	2000 U	2500 U	2500 U	2000 U	2500 U	250 U	500 U	500 U
Ethylbenzene		89	720	1200	1400	1000	1000	850	140	180	75
Hexachlorobutadiene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
Methyl iodide		500 UJ	1000 U	2000 U	2500 U	2500 U	2000 U	2500 UJ	250 U	500 U	500 U
Isopropylbenzene		50 U	500 U	200 U	250 U	250 U	200 U	250 U	120 U	50 U	50 U
Methyl tert butyl ether		100 U	400 U	400 U	500 U	500 U	400 U	500 U	100 U	100 U	100 U
Methylene chloride		250 U	500 U	2000 U	1200 U	1200 U	1000 U	1200 U	120 U	500 U	250 U
Naphthalene		250 U	500 U	1000 U	1200 U	1200 U	1000 UJ	1200 U	140	270	250 U
Styrene		50 U	100 U	200 U	250 U	250 U	200 U	250 U	25 U	50 U	50 U
Tetrachloroethene		50 U	140	260	250 U	250 U	200 U	250 U	25 U	50 U	50 U
Tetrahydrofuran		1000 U	2000 U	4000 U	5000 U	5000 U	4000 U	5000 UJ	500 U	1000 U	1000 U
Toluene		75 U	770	1500	1600	1200	1200	970	140	190	75 U
Trichloroethene		2100	2100	8000	6600	3100	1900	1100	82	420	50 U
Trichlorofluoromethane		250 U	500 UJ	1000 U	1200 U	1200 U	1000 U	1200 U	120 UJ	250 U	250 U
Vinyl acetate		500 U	1000 U	2000 U	2500 UJ	2500 U	2000 U	2500 U	250 U	500 U	500 UJ
Vinyl chloride		300	550	900	1200	800	1100	1000	430	610	390
cis-1,2-Dichloroethene		7200	13000	23000	26000	22000	23000	22000	4800	6100	3300
cis-1,3-Dichloropropylene		50 U	100 U	200 U	250 U	250 U	200 U	250 U	25 U	50 U	50 U
n-Butylbenzene		50 U	500 U	200 U	250 U	250 U	200 U	250 U	120 U	50 U	50 U
n-Propylbenzene		50 U	500 U	200 U	250 U	250 U	200 U	250 U	120 U	50 U	50 U
2-Chlorotoluene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
o-Xylene		50 U	100 U	200 U	250 U	250 U	200 U	250 U	25 U	50 U	50 U
4-Chlorotoluene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
p-Isopropyltoluene		50 U	500 U	200 U	250 U	250 U	200 U	250 U	120 U	50 U	50 U
m,p-Xylenes		50 U	100 U	200 U	250 U	250 U	200 U	250 U	42	50 U	50 U
sec-Butylbenzene		50 U	500 U	200 U	250 U	250 U	200 U	250 U	120 U	50 U	50 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	BEI-3	OBG-1	OBG-1	INF-OBG-1	OBG-1	OBG-1	OBG-1	OBG-2	OBG-2	INF-OBG-2
	SDG ID	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0212377	L0102477	L0108901	L0111561
	Dilution Factor	100	200	400	500	500	400	500	50	100	100
	Sample Date	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	12/05/02	03/21/01	09/24/01	12/06/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		250 U	500 U	1000 U	1200 U	1200 U	1000 U	1200 U	120 U	250 U	250 U
trans-1,2-Dichloroethene		75 U	150 U	300 U	380 U	380 U	300 U	380 U	38 U	75 U	75 U
trans-1,3-Dichloropropene		50 U	100 U	200 U	250 U	250 U	200 U	250 U	25 U	50 U	50 U
trans-1,4-Dichloro-2-butene		250 UJ	500 U	1000 U	1200 U	1200 U	1000 U	1200 UJ	120 U	250 U	250 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	OBG-2	OBG-2	OBG-2	OBG-2	OBG-3	OBG-3	INF-OBG-3	OBG-3	OBG-3	OBG-3
	SDG ID	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486
	Dilution Factor	100	50	50	100	100	100	100	200	50	50
	Sample Date	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		50 U	25 U	25 U	50 U	250 U	50 U	50 U	100 U	25 U	25 U
1,1,1-Trichloroethane		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
1,1,2,2-Tetrachloroethane		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
1,1,2-Trichloroethane		75 U	38 U	38 U	75 U	75 U	75 U	75 U	150 U	38 U	38 U
1,1-Dichloroethane		75 U	38 U	38 U	75 U	75 U	75 U	75 U	150 U	38 U	38 U
1,1-Dichloroethene		50 U	25 U	25 U	50 U	75 U	50 U	50 U	100 U	25 U	25 U
1,1-Dichloropropene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
1,2,3-Trichlorobenzene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
1,2,3-Trichloropropane		500 U	250 U	250 U	500 U	500 U	500 U	500 U	1000 U	250 U	250 U
1,2,4-Trichlorobenzene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
Benzene, 1,2,4-trimethyl		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
Dibromochloropropane		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
1,2-Dibromoethane (EDB)		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
1,2-Dichlorobenzene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
1,2-Dichloroethane		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
1,2-Dichloropropane		180 U	88 U	88 U	180 U	180 U	180 U	180 U	350 U	88 U	88 U
Benzene, 1,3,5-trimethyl-		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
1,3-Dichlorobenzene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
1,3-Dichloropropane		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
1,4-Dichlorobenzene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
1,4-Dichlorobutane		500 U	250 U	250 U	500 U	500 U	500 U	500 U	1000 U	250 U	250 U
2,2-Dichloropropane		250 U	—	120 U	250 U	250 U	250 U	250 U	500 U	—	120 U
2-Butanone (MEK)		500 U	250 U	250 U	500 U	500 U	500 U	500 U	1000 U	250 U	250 U
2-Hexanone		500 U	250 U	250 U	500 U	500 U	500 U	500 U	1000 U	250 U	250 U
4-Methyl-2-pentanone (MIBK)		500 U	250 U	250 U	500 U	500 U	500 U	500 U	1000 U	250 U	250 U
Acetone		500 U	250 U	250 U	500 U	500 UJ	500 U	500 U	1000 U	250 U	250 U
Acrolein		1200 U	620 U	620 U	1200 UJ	1200 U	1200 U	1200 U	2500 U	620 U	620 U
Acrylonitrile		500 U	250 U	250 U	500 U	500 U	500 U	500 U	1000 U	250 U	250 U
Benzene		360	400	480	540	56	59	50 U	100 U	70	44
Bromobenzene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
Bromochloromethane		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
Bromodichloromethane		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
Bromoform		50 U	25 U	100 U	200 U	50 U	50 U	50 U	100 U	25 U	100 U
Bromomethane		100 U	50 U	50 U	100 UJ	100 UJ	100 U	100 U	200 U	50 U	50 U
Carbon disulfide		500 U	250 U	250 U	500 U	500 U	500 U	500 U	1000 U	250 U	250 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	OBG-2	OBG-2	OBG-2	OBG-2	OBG-3	OBG-3	INF-OBG-3	OBG-3	OBG-3	OBG-3
	SDG ID	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486
	Dilution Factor	100	50	50	100	100	100	100	200	50	50
	Sample Date	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02
	Units	ug/L	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	WATER
Carbon tetrachloride		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
Chlorobenzene		260	280	290	340	180 U	77	50 U	100 U	87	70
Chloroethane		100 U	50 U	50 U	100 U	100 U	100 U	100 U	200 U	50 U	50 U
Chloroform		75 U	38 U	38 U	75 U	75 U	75 U	75 U	150 U	38 U	38 U
Chloromethane		250 U	120 U	120 U	250 U	500 U	250 U	250 U	500 U	120 U	120 U
Dibromochloromethane		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
Dibromomethane		500 U	250 U	250 U	500 U	500 U	500 U	500 U	1000 U	250 U	250 U
Dichlorodifluoromethane		500 U	250 U	250 U	500 U	500 U	500 U	500 UJ	1000 U	250 U	250 U
Diethyl ether		250 U	120 U	120 U	250 U	1200 U	250 U	250 U	500 U	120 U	120 U
Ethyl methacrylate		500 U	250 U	250 U	500 U	500 U	500 U	500 U	1000 U	250 U	250 U
Ethylbenzene		100	110	110	180	50 U	50 U	50 U	100 U	25 U	25 U
Hexachlorobutadiene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
Methyl iodide		500 U	250 U	250 U	500 UJ	500 U	500 U	500 U	1000 U	250 U	250 U
Isopropylbenzene		50 U	25 U	25 U	50 U	250 U	50 U	50 U	100 U	25 U	25 U
Methyl tert butyl ether		100 U	50 U	50 U	100 U	200 U	100 U	100 U	200 U	50 U	50 U
Methylene chloride		250 U	120 U	120 U	250 U	250 U	500 U	250 U	500 U	120 U	120 U
Naphthalene		250 U	120 UJ	120 U	250 U	250 U	250 U	250 U	500 U	120 UJ	120 U
Styrene		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
Tetrachloroethene		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
Tetrahydrofuran		1000 U	500 U	500 U	1000 U	1000 U	1000 U	1000 U	2000 U	500 U	500 U
Toluene		110	110	150	170	75 U	75 U	75 U	150 U	38 U	38 U
Trichloroethene		59	56	63	71	450	120	96	340	140	110
Trichlorofluoromethane		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
Vinyl acetate		500 U	250 U	250 U	500 U	500 U	500 U	500 UJ	1000 U	250 U	250 U
Vinyl chloride		380	430	660	750	180	230	490	390	220	130
cis-1,2-Dichloroethene		3200	3900	5400	6700	3600	2900	5400	10000	3500	2300
cis-1,3-Dichloropropylene		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
n-Butylbenzene		50 U	25 U	25 U	50 U	250 U	50 U	50 U	100 U	25 U	25 U
n-Propylbenzene		50 U	25 U	25 U	50 U	250 U	50 U	50 U	100 U	25 U	25 U
2-Chlorotoluene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
o-Xylene		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
4-Chlorotoluene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
p-Isopropyltoluene		50 U	25 U	25 U	50 U	250 U	50 U	50 U	100 U	25 U	25 U
m,p-Xylenes		50 U	31	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
sec-Butylbenzene		50 U	25 U	25 U	50 U	250 U	50 U	50 U	100 U	25 U	25 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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File Number: 5509.28602

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	OBG-2	OBG-2	OBG-2	OBG-2	OBG-3	OBG-3	INF-OBG-3	OBG-3	OBG-3	OBG-3
	SDG ID	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486
	Dilution Factor	100	50	50	100	100	100	100	200	50	50
	Sample Date	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02
	Units	ug/L	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	WATER
tert-Butylbenzene		250 U	120 U	120 U	250 U	250 U	250 U	250 U	500 U	120 U	120 U
trans-1,2-Dichloroethene		75 U	38 U	130	75 U	75 U	75 U	75 U	150 U	38 U	38 U
trans-1,3-Dichloropropene		50 U	25 U	25 U	50 U	50 U	50 U	50 U	100 U	25 U	25 U
trans-1,4-Dichloro-2-butene		250 U	120 U	120 U	250 UJ	250 U	250 U	250 U	500 U	120 U	120 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	TRENCH	Collection Trench	Collection Trench	Collection Trench	Recovery Trench	Shallow Trench	MW-2	MW-2	MW-2	MW-2
	SDG ID	L0102477	L0111561	L0203390	L0206116	L0209486	L0212377	3903	L0102408	L0105431	L0108729
	Dilution Factor	2	1	10	2	2	2	50	20	20	20
	Sample Date	03/21/01	12/07/01	04/09/02	06/20/02	09/18/02	12/05/02	11/12/99	03/19/01	06/14/01	09/19/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		5.0 U	0.5 U	5 U	1 U	1 U	1 U	—	50 U	10 U	10 U
1,1,1-Trichloroethane		1.0 U	0.5 U	5 U	1 U	1 U	1 U	25 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane		1.0 U	0.5 U	5 U	1 U	1 U	1 U	25 U	10 U	10 U	10 U
1,1,2-Trichloroethane		1.5 U	0.75 U	7.5 U	1.5 U	1.5 U	1.5 U	25 U	15 U	15 U	15 U
1,1-Dichloroethane		1.5 U	0.95	7.5 U	1.5 U	1.5 U	1.5 U	25 U	15 U	15 U	15 U
1,1-Dichloroethene		1.5 U	0.5 U	5 U	1 U	1 U	1 U	25 U	15 U	10 U	10 U
1,1-Dichloropropene		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
1,2,3-Trichlorobenzene		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
1,2,3-Trichloropropane		10 U	5 U	50 U	10 U	10 U	10 U	—	100 U	100 U	100 U
1,2,4-Trichlorobenzene		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
Benzene, 1,2,4-trimethyl		11	7.5	25 U	5 U	14	5.2	—	50 U	50 U	50 U
Dibromochloropropane		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
1,2-Dibromoethane (EDB)		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
1,2-Dichlorobenzene		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
1,2-Dichloroethane		1.0 U	0.5 U	5 U	1 U	1 U	1 U	25 U	10 U	10 U	10 U
1,2-Dichloropropane		3.5 U	1.8 U	18 U	3.5 U	3.5 U	3.5 U	25 U	35 U	35 U	35 U
Benzene, 1,3,5-trimethyl-		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
1,3-Dichlorobenzene		5.0 U	3.5	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
1,3-Dichloropropane		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
1,4-Dichlorobenzene		10	12	25 U	6.2	14	11	—	50 U	50 U	50 U
1,4-Dichlorobutane		10 U	5 U	50 U	10 U	10 U	10 U	—	100 U	100 U	100 U
2,2-Dichloropropane		5.0 U	2.5 U	25 U	—	5 U	5 U	—	50 U	50 U	50 U
2-Butanone (MEK)		10 U	5 U	50 U	10 U	10 U	10 U	500 U	100 U	100 UJ	100 U
2-Hexanone		10 U	5 U	50 U	10 U	10 U	10 UJ	250 U	100 U	100 UJ	100 U
4-Methyl-2-pentanone (MIBK)		10 U	5 U	50 U	10 U	10 U	10 U	250 U	100 U	100 U	100 U
Acetone		10 UJ	5 U	50 U	10 U	10 U	10 U	500 U	100 U	100 UJ	100 U
Acrolein		25 U	12 U	120 U	25 U	25 U	25 UJ	—	250 U	250 U	250 U
Acrylonitrile		10 U	5 U	50 U	10 U	10 U	10 U	—	100 U	100 U	100 U
Benzene		90	99	180	83	140	94	32	310	680	650
Bromobenzene		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
Bromochloromethane		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
Bromodichloromethane		1.0 U	0.5 U	5 U	1 U	1 U	1 U	25 U	10 U	10 U	10 U
Bromoform		1.0 U	0.5 U	5 U	1 U	4 U	4 U	25 U	10 U	10 U	10 U
Bromomethane		2.0 UJ	1 U	10 U	2 U	2 U	2 UJ	50 U	20 UJ	20 U	20 U
Carbon disulfide		10 U	5 U	50 U	10 U	10 U	10 U	25 U	100 U	100 U	100 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	TRENCH	Collection Trench	Collection Trench	Collection Trench	Recovery Trench	Shallow Trench	MW-2	MW-2	MW-2	MW-2
	SDG ID	L0102477	L0111561	L0203390	L0206116	L0209486	L0212377	3903	L0102408	L0105431	L0108729
	Dilution Factor	2	1	10	2	2	2	50	20	20	20
	Sample Date	03/21/01	12/07/01	04/09/02	06/20/02	09/18/02	12/05/02	11/12/99	03/19/01	06/14/01	09/19/01
	Units	ug/L	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	WATER
Carbon tetrachloride		1.0 U	0.5 U	5 U	1 U	1 U	1 U	25 U	10 U	10 U	10 U
Chlorobenzene		72	90	110	53	110	78	110	81	78	84
Chloroethane		12	1 U	10 U	6.5	9.6	8.9	50 U	20 U	20 U	20 U
Chloroform		1.5 U	0.75 U	7.5 U	1.5 U	1.5 U	1.5 U	25 U	15 U	15 U	15 U
Chloromethane		10 U	2.5 U	25 U	5 U	5 U	5 U	50 U	100 U	50 U	50 U
Dibromochloromethane		1.0 U	0.5 U	5 U	1 U	1 U	1 U	25 U	10 U	10 U	10 U
Dibromomethane		10 U	5 U	50 U	10 U	10 U	10 U	—	100 U	100 U	100 U
Dichlorodifluoromethane		10 U	5 UJ	50 U	10 U	10 U	10 U	—	100 U	100 U	100 U
Diethyl ether		25 U	2.5 U	25 U	5 U	5 U	5 U	—	250 U	50 U	50 U
Ethyl methacrylate		10 U	5 U	50 U	10 U	10 U	10 U	—	100 U	100 U	100 U
Ethylbenzene		3.8	3.7	12	4.8	16	1 U	25 U	10 U	10 U	10 U
Hexachlorobutadiene		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
Methyl iodide		10 U	5 U	50 U	10 U	10 U	10 UJ	—	100 UJ	100 U	100 U
Isopropylbenzene		11	13	12	5.4	15	12	—	50 U	10 U	10 U
Methyl tert butyl ether		4.0 U	1 U	10 U	2 U	2 U	2 U	—	40 U	20 U	20 U
Methylene chloride		5.0 U	2.5 U	25 U	5 U	5 U	5 U	100 U	50 U	100 U	100 U
Naphthalene		31	32	25 U	28	29	7.1	—	50 U	50 U	50 U
Styrene		1.0 U	0.5 U	5 U	1 U	1 U	1 U	25 U	10 U	10 U	10 U
Tetrachloroethene		1.0 U	0.5 U	5 U	1 U	1 U	1 U	25 U	10 U	10 U	10 U
Tetrahydrofuran		20 U	10 U	100 U	20 U	20 U	20 U	—	200 U	200 U	200 U
Toluene		1.5 U	4.7	410	65	8	1.5 U	25 U	15 U	15 U	15 U
Trichloroethene		1.4	4.1	5 U	1 U	1 U	1 U	1700	560	37	140
Trichlorofluoromethane		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
Vinyl acetate		10 U	5 UJ	50 U	10 U	10 U	10 U	—	100 U	100 UJ	100 U
Vinyl chloride		2.0 U	1 U	10 U	2 U	2 U	2 U	180	230	20 U	75
cis-1,2-Dichloroethene		3.1	3.8	5 U	1 U	1	1.1	1400	1000	110	190
cis-1,3-Dichloropropylene		1.0 U	0.5 U	5 U	1 U	1 U	1 U	25 U	10 U	10 U	10 U
n-Butylbenzene		5.0 U	0.8	5 U	1 U	3.5	1 U	—	50 U	10 U	10 U
n-Propylbenzene		5.0 U	1.8	5 U	1	2.7	2.2	—	50 U	10 U	10 U
2-Chlorotoluene		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
o-Xylene		2.8	3.1	5 U	1.9	2.9	1.6	—	10 U	10 U	10 U
4-Chlorotoluene		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
p-Isopropyltoluene		5.0 U	0.74	5 U	1 U	2.4	1 U	—	50 U	10 U	10 U
m,p-Xylenes		9.3	8.5	11	5	12	5.5	—	10 U	10 U	10 U
sec-Butylbenzene		5.0 U	0.53	5 U	1 U	1 U	1 U	—	50 U	10 U	10 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	TRENCH	Collection Trench	Collection Trench	Collection Trench	Recovery Trench	Shallow Trench	MW-2	MW-2	MW-2	MW-2
	SDG ID	L0102477	L0111561	L0203390	L0206116	L0209486	L0212377	3903	L0102408	L0105431	L0108729
	Dilution Factor	2	1	10	2	2	2	50	20	20	20
	Sample Date	03/21/01	12/07/01	04/09/02	06/20/02	09/18/02	12/05/02	11/12/99	03/19/01	06/14/01	09/19/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		5.0 U	2.5 U	25 U	5 U	5 U	5 U	—	50 U	50 U	50 U
trans-1,2-Dichloroethene		1.5 U	0.75 U	7.5 U	1.5 U	1.5 U	1.5 U	18 J	15 U	15 U	15 U
trans-1,3-Dichloropropene		1.0 U	0.5 U	5 U	1 U	1 U	1 U	25 U	10 U	10 U	10 U
trans-1,4-Dichloro-2-butene		5.0 U	2.5 U	25 U	5 U	5 U	5 UJ	—	50 U	50 U	50 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-2	MW-2	MW-2	MW-2	MW-2	MW-4	MW-4	MW-4	MW-4	MW-4
	SDG ID	L0111345	L0203024	L0206031	L0209486	L0212735	3930	L0102674	L0105542	L0108767	L0111491
	Dilution Factor	20	20	5	5	1	1	10	10	10	10
	Sample Date	12/03/01	03/29/02	06/19/02	09/18/02	12/16/02	11/15/99	03/26/01	06/18/01	09/20/01	12/05/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		10 U	10 U	2.5 U	2.5 U	0.5 U	—	25 U	5 U	5 U	5 U
1,1,1-Trichloroethane		10 U	10 U	2.5 U	2.5 U	0.5 U	0.50 U	5.0 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane		10 U	10 U	2.5 U	2.5 U	0.5 U	0.50 U	5.0 U	5 U	5 U	5 U
1,1,2-Trichloroethane		15 U	15 U	3.8 U	3.8 U	0.75 U	0.50 U	7.5 U	7.5 U	7.5 U	7.5 U
1,1-Dichloroethane		15 U	15 U	3.8 U	3.8 U	1.2	0.52	7.5 U	7.5 U	7.5 U	7.5 U
1,1-Dichloroethene		10 U	10 U	3.2	3.7	3.8	2.2	7.5 U	5 U	5 U	5 U
1,1-Dichloropropene		50 U	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
1,2,3-Trichlorobenzene		50 UJ	50 U	12 U	12 U	4.6	—	25 U	25 U	25 U	25 U
1,2,3-Trichloropropane		100 U	100 U	25 U	25 U	5 U	—	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene		50 UJ	50 U	12 U	12 U	16	—	25 U	25 U	25 U	25 U
Benzene, 1,2,4-trimethyl		50 UJ	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
Dibromochloropropane		50 U	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 UJ
1,2-Dibromoethane (EDB)		50 U	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
1,2-Dichlorobenzene		50 UJ	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
1,2-Dichloroethane		10 U	10 U	2.5 U	2.5 U	0.5 U	0.15 J	5.0 U	5 U	5 U	5 U
1,2-Dichloropropane		35 U	35 U	8.8 U	8.8 U	1.8 U	0.50 U	18 U	18 U	18 U	18 U
Benzene, 1,3,5-trimethyl-		50 UJ	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
1,3-Dichlorobenzene		50 UJ	50 U	13	13	15	—	25 U	25 U	25 U	25 U
1,3-Dichloropropane		50 U	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
1,4-Dichlorobenzene		50 UJ	50 U	38	43	45	—	25 U	25 U	25 U	25 U
1,4-Dichlorobutane		100 U	100 U	25 U	25 U	5 U	—	50 U	50 U	50 U	50 U
2,2-Dichloropropane		50 U	50 U	—	12 U	2.5 U	—	25 U	25 U	25 U	25 U
2-Butanone (MEK)		100 U	100 U	25 U	25 U	5 U	10 U	50 U	50 UJ	50 U	50 U
2-Hexanone		100 U	100 U	25 U	25 U	5 UJ	5.0 U	50 U	50 UJ	50 U	50 U
4-Methyl-2-pentanone (MIBK)		100 UJ	100 U	25 U	25 U	5 U	5.0 U	50 U	50 U	50 U	50 UJ
Acetone		100 U	100 U	25 U	25 U	5 U	10 U	50 U	50 UJ	50 U	50 U
Acrolein		250 UJ	250 U	62 U	62 U	12 U	—	120 U	120 U	120 U	120 UJ
Acrylonitrile		100 U	100 U	25 U	25 U	5 U	—	50 U	50 U	50 U	50 U
Benzene		470 J	310	250	150	84	9.2	8.2	9.4	9	5.9
Bromobenzene		50 UJ	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
Bromochloromethane		50 U	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
Bromodichloromethane		10 U	10 U	2.5 U	2.5 U	0.5 U	0.50 U	5.0 U	5 U	5 U	5 U
Bromoform		10 U	10 U	2.5 U	10 U	2 U	0.50 U	5.0 U	5 U	5 U	5 U
Bromomethane		20 U	20 U	5 U	5 U	1 U	1.0 U	10 UJ	10 U	10 UJ	10 U
Carbon disulfide		100 U	100 U	25 U	25 U	5 UJ	0.50 U	50 U	50 U	50 U	50 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-2	MW-2	MW-2	MW-2	MW-2	MW-4	MW-4	MW-4	MW-4	MW-4
	SDG ID	L0111345	L0203024	L0206031	L0209486	L0212735	3930	L0102674	L0105542	L0108767	L0111491
	Dilution Factor	20	20	5	5	1	1	10	10	10	10
	Sample Date	12/03/01	03/29/02	06/19/02	09/18/02	12/16/02	11/15/99	03/26/01	06/18/01	09/20/01	12/05/01
	Units	ug/L	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	WATER
Carbon tetrachloride		10 U	10 U	2.5 U	2.5 U	0.5 U	0.50 U	5.0 U	5 U	5 U	5 U
Chlorobenzene		70 J	68	77	76	73	0.50 U	18 U	5 U	5 U	5 U
Chloroethane		20 U	20 U	19	18	23	1.0 U	10 U	10 U	10 U	10 U
Chloroform		15 U	15 U	3.8 U	3.8 U	0.75 U	0.50 U	7.5 U	7.5 U	7.5 U	7.5 U
Chloromethane		50 U	50 U	12 U	12 U	2.5 U	1.0 U	50 U	25 U	25 U	25 U
Dibromochloromethane		10 U	10 U	2.5 U	2.5 U	0.5 U	0.50 U	5.0 U	5 U	5 U	5 U
Dibromomethane		100 U	100 U	25 U	25 U	5 U	—	50 U	50 U	50 U	50 U
Dichlorodifluoromethane		100 U	100 U	25 U	25 U	5 UJ	—	50 U	50 U	50 U	50 U
Diethyl ether		50 U	50 U	12 U	12 U	2.5 U	—	120 U	25 U	25 U	25 U
Ethyl methacrylate		100 U	100 U	25 U	25 U	5 U	—	50 U	50 U	50 U	50 U
Ethylbenzene		10 UJ	10 U	2.5 U	2.5 U	0.64	0.31 J	5.0 U	5 U	5 U	5 U
Hexachlorobutadiene		50 U	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
Methyl iodide		100 U	100 U	25 U	25 U	5 U	—	50 UJ	50 UJ	50 UJ	50 U
Isopropylbenzene		10 UJ	10 U	2.5 U	2.5 U	2.5	—	25 U	5 U	5 U	5 U
Methyl tert butyl ether		20 U	20 U	5 U	5 U	1 U	—	20 U	10 U	10 U	10 U
Methylene chloride		50 U	50 U	12 U	12 U	2.5 U	2.0 U	25 U	50 U	50 U	25 U
Naphthalene		50 UJ	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
Styrene		10 UJ	10 U	2.5 U	2.5 U	0.5 U	0.50 U	5.0 U	5 U	5 U	5 U
Tetrachloroethene		10 U	10 U	2.5 U	2.5 U	0.5 U	0.50 U	5.0 U	5 U	5 U	5 U
Tetrahydrofuran		200 U	200 U	50 U	50 U	13	—	100 U	100 U	100 U	100 U
Toluene		15 UJ	15 U	3.8 U	3.8 U	1.4	0.17 J	7.5 U	7.5 U	7.5 U	7.5 U
Trichloroethene		170	210	300	350	320	800	650	700	670	430
Trichlorofluoromethane		50 U	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
Vinyl acetate		100 U	100 U	25 U	25 U	5 U	—	50 U	50 UJ	50 U	50 U
Vinyl chloride		63	75	110	180	120	30	36	24	40	18
cis-1,2-Dichloroethene		190	260	380	450	470	420	340	370	430	300
cis-1,3-Dichloropropylene		10 U	10 U	2.5 U	2.5 U	0.5 U	0.50 U	5.0 U	5 U	5 U	5 U
n-Butylbenzene		10 UJ	18	2.5 U	2.5 U	0.5 U	—	25 U	5 U	5 U	5 U
n-Propylbenzene		10 UJ	10 U	2.5 U	2.5 U	1.5	—	25 U	5 U	5 U	5 U
2-Chlorotoluene		50 UJ	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
o-Xylene		10 UJ	10 U	2.5 U	2.5 U	1.1	—	5.0 U	5 U	5 U	5 U
4-Chlorotoluene		50 UJ	50 U	12 U	12 U	2.5 U	—	25 U	25 U	25 U	25 U
p-Isopropyltoluene		10 UJ	10 U	2.5 U	2.5 U	0.5 U	—	25 U	5 U	5 U	5 U
m,p-Xylenes		10 UJ	10 U	2.5 U	2.5 U	0.5 U	—	5.0 U	5 U	5 U	5 U
sec-Butylbenzene		10 UJ	10 U	2.5 U	2.5 U	0.5 U	—	25 U	5 U	5 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-2	MW-2	MW-2	MW-2	MW-2	MW-4	MW-4	MW-4	MW-4	MW-4
	SDG ID	L0111345	L0203024	L0206031	L0209486	L0212735	3930	L0102674	L0105542	L0108767	L0111491
	Dilution Factor	20	20	5	5	1	1	10	10	10	10
	Sample Date	12/03/01	03/29/02	06/19/02	09/18/02	12/16/02	11/15/99	03/26/01	06/18/01	09/20/01	12/05/01
	Units	ug/L	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	WATER
tert-Butylbenzene		50 UJ	50 U	12 U	12 U	2.5 U	---	25 U	25 U	25 U	25 U
trans-1,2-Dichloroethene		15 U	15 U	7.5	7.6	9.6	9.0	7.5 U	9.8	7.5 U	7.5 U
trans-1,3-Dichloropropene		10 U	10 U	2.5 U	2.5 U	0.5 U	0.50 U	5.0 U	5 U	5 U	5 U
trans-1,4-Dichloro-2-butene		50 U	50 U	12 U	12 U	2.5 UJ	---	25 U	25 U	25 U	25 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A
	SDG ID	L0203024	L0206116	L0209630	L0212604	3930	L0102627	L0105542	L0108767	L0111491	L0212763
	Dilution Factor	10	10	10	1	1	1	1	1	1	1
	Sample Date	03/29/02	06/20/02	09/19/02	12/12/02	11/15/99	03/24/01	06/18/01	09/20/01	12/05/01	12/17/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		5 U	5 U	5 U	5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane		7.5 U	7.5 U	7.5 U	7.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		7.5 U	7.5 U	7.5 U	7.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		5 U	5 U	5 U	5 U	0.50 U	0.75 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
1,2,3-Trichloropropane		50 U	50 U	50 U	50 U	—	5.0 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Benzene, 1,2,4-trimethyl		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Dibromochloropropane		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane		18 U	18 U	18 U	18 U	0.50 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
1,3-Dichlorobenzene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
1,3-Dichloropropane		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
1,4-Dichlorobutane		50 U	50 U	50 U	50 U	—	5.0 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane		25 U	—	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		50 U	50 U	50 U	50 U	10 U	5.0 U	5 UJ	5 U	5 UJ	5 U
2-Hexanone		50 U	50 U	50 U	50 U	5.0 U	5.0 U	5 UJ	5 U	5 U	5 UJ
4-Methyl-2-pentanone (MIBK)		50 U	50 U	50 U	50 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Acetone		50 U	50 U	50 U	50 U	10 U	5.0 UJ	5 UJ	5 U	5 UJ	5 U
Acrolein		120 U	120 U	120 U	120 U	—	12 U	12 U	12 U	12 UJ	12 U
Acrylonitrile		50 U	50 U	50 U	50 U	—	5.0 U	5 U	5 U	5 U	5 U
Benzene		10	10	10	9	0.50 U	0.50 U	0.5 U	0.84	0.5 UJ	0.5 U
Bromobenzene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Bromochloromethane		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		5 U	5 U	20 U	20 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	2 U
Bromomethane		10 U	10 U	10 U	10 U	1.0 U	1.0 UJ	1 U	1 UJ	1 U	1 U
Carbon disulfide		50 U	50 U	50 U	50 UJ	0.50 U	5.0 U	5 U	5 U	5 U	5 UJ

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A
	SDG ID	L0203024	L0206116	L0209630	L0212604	3930	L0102627	L0105542	L0108767	L0111491	L0212763
	Dilution Factor	10	10	10	1	1	1	1	1	1	1
	Sample Date	03/29/02	06/20/02	09/19/02	12/12/02	11/15/99	03/24/01	06/18/01	09/20/01	12/05/01	12/17/02
	Units	ug/L	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	WATER
Carbon tetrachloride		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		5 U	5 U	5 U	5 U	0.50 U	1.8 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Chloroethane		10 U	10 U	10 U	10 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U
Chloroform		7.5 U	7.5 U	7.5 U	7.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		25 U	25 U	25 U	25 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		50 U	50 U	50 U	50 U	—	5.0 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		50 U	50 U	50 U	50 U	—	5.0 U	5 U	5 U	5 U	5 UJ
Diethyl ether		25 U	25 U	25 U	25 U	—	12 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		50 U	50 U	50 U	50 U	—	5.0 U	5 U	5 U	5 U	5 U
Ethylbenzene		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Hexachlorobutadiene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		50 U	50 U	50 U	50 U	—	5.0 UJ	5 UJ	5 UJ	5 U	5 U
Isopropylbenzene		5 U	5 U	5 U	5 U	—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Methyl tert butyl ether		10 U	10 U	10 U	10 U	—	2.0 U	1 U	1 U	1 U	1 U
Methylene chloride		25 U	25 U	25 U	50 U	2.0 U	2.5 U	5 U	5 U	2.5 U	2.5 U
Naphthalene		25 U	25 UJ	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Styrene		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Tetrachloroethene		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		100 U	100 U	100 U	100 U	—	10 U	10 U	10 U	10 U	10 U
Toluene		7.5 U	7.5 U	7.5 U	7.5 U	0.59	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 U
Trichloroethene		760	710	820	590	0.50 U	0.50 U	0.5 U	1.2	0.5 U	0.5 U
Trichlorofluoromethane		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		50 U	50 U	50 U	50 U	—	5.0 U	5 UJ	5 U	5 U	5 U
Vinyl chloride		40	38	58	39	1.0 U	1.0 U	1 U	5.6	1 U	1 U
cis-1,2-Dichloroethene		450	410	490	440	1.2	0.50 U	0.5 U	75	3.1	0.51
cis-1,3-Dichloropropylene		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		5 U	5 U	5 U	5 U	—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
n-Propylbenzene		5 U	5 U	5 U	5 U	—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
2-Chlorotoluene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
o-Xylene		5 U	5 U	5 U	5 U	—	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U
4-Chlorotoluene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
p-Isopropyltoluene		5 U	5 U	5 U	5 U	—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
m,p-Xylenes		5 U	5 U	5 U	5 U	—	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U
sec-Butylbenzene		5 U	5 U	5 U	5 U	—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A
	SDG ID	L0203024	L0206116	L0209630	L0212604	3930	L0102627	L0105542	L0108767	L0111491	L0212763
	Dilution Factor	10	10	10	1	1	1	1	1	1	1
	Sample Date	03/29/02	06/20/02	09/19/02	12/12/02	11/15/99	03/24/01	06/18/01	09/20/01	12/05/01	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
trans-1,2-Dichloroethene		7.5 U	7.5 U	15	7.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		25 U	25 U	25 U	25 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5A	MW-5A	MW-5A	MW-5A
	SDG ID	3930	L0102630	L0105487	L0108767	L0111491	L0212604	3930	L0102630	L0105487	L0108767
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/16/99	03/26/01	06/15/01	09/20/01	12/05/01	12/12/02	11/16/99	03/26/01	06/15/01	09/20/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	—	2.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
1,1,2-Trichloroethane		0.50 U	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		0.50 U	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		0.50 U	0.75 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.75 U	0.5 U	0.5 U
1,1-Dichloropropene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		—	5.0 U	5 U	5 U	5 UJ	5 U	—	5.0 U	5 U	5 U
1,2,4-Trichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
Dibromochloropropane		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
1,2-Dichloropropane		0.50 U	1.8 U	1.8 U	1.8 U	1.8 UJ	1.8 U	0.50 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		—	5.0 U	5 U	5 U	5 UJ	5 U	—	5.0 U	5 U	5 U
2,2-Dichloropropane		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		10 U	5.0 U	5 UJ	5 U	5 UJ	5 U	10 UJ	5.0 U	5 UJ	5 UJ
2-Hexanone		5.0 U	5.0 U	5 UJ	5 U	5 UJ	5 U	5.0 UJ	5.0 U	5 UJ	5 UJ
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5 U	5 U	5 UJ	5 U	5.0 U	5.0 U	5 U	5 U
Acetone		10 U	5.0 UJ	5 UJ	5 U	5 UJ	5 U	10 U	5.0 U	5 UJ	5 UJ
Acrolein		—	12 U	12 U	12 U	12 UJ	12 U	—	12 U	12 U	12 U
Acrylonitrile		—	5.0 U	5 U	5 U	5 UJ	5 U	—	5.0 U	5 U	5 U
Benzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Bromobenzene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
Bromochloromethane		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
Bromodichloromethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Bromoform		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	2 U	0.50 U	0.50 U	0.5 U	0.5 U
Bromomethane		1.0 U	1.0 UJ	1 U	1 UJ	1 UJ	1 U	1.0 U	1.0 UJ	1 U	1 UJ
Carbon disulfide		0.50 U	5.0 U	5 U	5 U	5 UJ	5 U	0.50 U	5.0 U	5 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5A	MW-5A	MW-5A	MW-5A
	SDG ID	3930	L0102630	L0105487	L0108767	L0111491	L0212604	3930	L0102630	L0105487	L0108767
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/16/99	03/26/01	06/15/01	09/20/01	12/05/01	12/12/02	11/16/99	03/26/01	06/15/01	09/20/01
	Units	ug/L	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	WATER
Carbon tetrachloride		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Chlorobenzene		0.50 U	1.8 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	1.8 U	0.5 U	0.5 U
Chloroethane		1.0 U	1.0 U	1 U	1 U	1 UJ	1 U	1.0 U	1.0 U	1 U	1 U
Chloroform		0.50 U	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U
Chloromethane		1.0 U	5.0 U	2.5 U	2.5 U	2.5 UJ	2.5 U	1.0 U	5.0 U	2.5 U	2.5 U
Dibromochloromethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Dibromomethane		—	5.0 U	5 U	5 U	5 UJ	5 U	—	5.0 U	5 U	5 U
Dichlorodifluoromethane		—	5.0 U	5 U	5 U	5 UJ	5 U	—	5.0 U	5 U	5 UJ
Diethyl ether		—	12 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	12 U	2.5 U	2.5 U
Ethyl methacrylate		—	5.0 U	5 U	5 U	5 UJ	5 U	—	5.0 U	5 U	5 U
Ethylbenzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Hexachlorobutadiene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
Methyl iodide		—	5.0 UJ	5 U	5 UJ	5 UJ	5 U	—	5.0 UJ	5 U	5 UJ
Isopropylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	—	2.5 U	0.5 U	0.5 U
Methyl tert butyl ether		—	6.8	3.6	3.9	3.6 J	2	—	2.0 U	2	2.2
Methylene chloride		2.0 U	2.5 U	5 U	5 U	2.5 UJ	5 U	2.0 U	2.5 U	5 U	5 U
Naphthalene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
Styrene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Tetrachloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Tetrahydrofuran		—	10 U	10 U	10 U	10 UJ	10 UJ	—	10 U	10 U	10 U
Toluene		0.50 U	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U
Trichloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Trichlorofluoromethane		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
Vinyl acetate		—	5.0 U	5 UJ	5 U	5 UJ	5 U	—	5.0 U	5 UJ	5 U
Vinyl chloride		1.0 U	1.0 U	1 U	1 U	1 UJ	1 U	1.0 U	1.0 U	1 U	1 U
cis-1,2-Dichloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
cis-1,3-Dichloropropylene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
n-Butylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	—	2.5 U	0.5 U	0.5 U
n-Propylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	—	2.5 U	0.5 U	0.5 U
2-Chlorotoluene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
o-Xylene		—	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	—	0.50 U	0.5 U	0.5 U
4-Chlorotoluene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	—	2.5 U	0.5 U	0.5 U
m,p-Xylenes		—	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	—	0.50 U	0.5 U	0.5 U
sec-Butylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	—	2.5 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5A	MW-5A	MW-5A	MW-5A
	SDG ID	3930	L0102630	L0105487	L0108767	L0111491	L0212604	3930	L0102630	L0105487	L0108767
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/16/99	03/26/01	06/15/01	09/20/01	12/05/01	12/12/02	11/16/99	03/26/01	06/15/01	09/20/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		0.50 U	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U	2.5 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-5A	MW-5A	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
	SDG ID	L0111491	L0212604	3970	L0102437	L0105542	L0108838	L0111491	L0202990	L0206116	L0209565
	Dilution Factor	1	1	1	40	40	50	40	40	50	50
	Sample Date	12/05/01	12/12/02	11/17/99	03/20/01	06/19/01	09/20/01	12/05/01	03/28/02	06/20/02	09/19/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		0.5 U	0.5 U	—	100 U	20 U	25 U	20 U	20 U	25 U	25 U
1,1,1-Trichloroethane		0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U	20 U	25 U	25 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U	20 U	25 U	25 U
1,1,2-Trichloroethane		0.75 U	0.75 U	0.50 U	30 U	30 U	38 U	30 U	30 U	38 U	38 U
1,1-Dichloroethane		0.75 U	0.75 U	0.50 U	30 U	30 U	38 U	30 U	30 U	38 U	38 U
1,1-Dichloroethene		0.5 U	0.5 U	13	30 U	20 U	25 U	20 U	20 U	25 U	25 U
1,1-Dichloropropene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
1,2,3-Trichloropropane		5 U	5 U	—	200 U	200 U	250 U	200 U	200 U	250 U	250 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
Dibromochloropropane		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
1,2-Dichlorobenzene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
1,2-Dichloroethane		0.5 U	0.5 U	1.1	20 U	20 U	25 U	20 U	20 U	25 U	25 U
1,2-Dichloropropane		1.8 U	1.8 U	0.50 U	70 U	70 U	88 U	70 U	70 U	88 U	88 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
1,3-Dichlorobenzene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
1,3-Dichloropropane		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
1,4-Dichlorobenzene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
1,4-Dichlorobutane		5 U	5 U	—	200 U	200 U	250 U	200 U	200 U	250 U	250 U
2,2-Dichloropropane		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	—	120 U
2-Butanone (MEK)		5 U	5 U	10 U	200 U	200 UJ	250 U	200 U	200 U	250 U	250 U
2-Hexanone		5 U	5 U	5.0 U	200 U	200 UJ	250 U	200 U	200 U	250 U	250 U
4-Methyl-2-pentanone (MIBK)		5 U	5 U	5.0 U	200 U	200 U	250 U	200 U	200 U	250 U	250 U
Acetone		5 U	5 U	10 U	200 U	200 UJ	250 U	200 U	200 U	250 U	250 U
Acrolein		12 UJ	12 U	—	500 U	500 U	620 U	500 U	500 U	620 U	620 U
Acrylonitrile		5 U	5 U	—	200 U	200 U	250 U	200 U	200 U	250 U	250 U
Benzene		0.5 U	0.5 U	25	20 U	20 U	25 U	20 U	20 U	25 U	30
Bromobenzene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
Bromochloromethane		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
Bromodichloromethane		0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U	20 U	25 U	25 U
Bromoform		0.5 U	2 U	0.50 U	20 U	20 U	25 U	20 U	20 U	25 U	100 U
Bromomethane		1 U	1 U	1.0 U	40 UJ	40 U	50 U	40 U	40 U	50 U	50 U
Carbon disulfide		5 U	5 U	0.50 U	200 U	200 U	250 U	200 U	200 U	250 U	250 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-5A	MW-5A	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
	SDG ID	L0111491	L0212604	3970	L0102437	L0105542	L0108838	L0111491	L0202990	L0206116	L0209565
	Dilution Factor	1	1	1	40	40	50	40	40	50	50
	Sample Date	12/05/01	12/12/02	11/17/99	03/20/01	06/19/01	09/20/01	12/05/01	03/28/02	06/20/02	09/19/02
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U	20 U	25 U	25 U
Chlorobenzene		0.5 U	0.5 U	40	70 U	29	27	33	28	32	39
Chloroethane		1 U	1 U	8.0 J	40 U	40 U	50 U	40 U	40 U	50 U	50 U
Chloroform		0.75 U	0.75 U	0.50 U	30 U	30 U	38 U	30 U	30 U	38 U	38 U
Chloromethane		2.5 U	2.5 U	1.0 U	200 U	100 U	120 U	100 U	100 U	120 U	120 U
Dibromochloromethane		0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U	20 U	25 U	25 U
Dibromomethane		5 U	5 U	—	200 U	200 U	250 U	200 U	200 U	250 U	250 U
Dichlorodifluoromethane		5 U	5 U	—	200 U	200 U	250 U	200 UJ	200 U	250 U	250 U
Diethyl ether		2.5 U	2.5 U	—	500 U	100 U	120 U	100 U	100 U	120 U	120 U
Ethyl methacrylate		5 U	5 U	—	200 U	200 U	250 U	200 U	200 U	250 U	250 U
Ethylbenzene		0.5 U	0.5 U	10	20 U	20 U	25 U	20 U	20 U	25 U	25 U
Hexachlorobutadiene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
Methyl iodide		5 U	5 U	—	200 UJ	200 UJ	250 U	200 U	200 U	250 U	250 U
Isopropylbenzene		0.5 U	0.5 U	—	100 U	20 U	25 U	20 U	20 U	25 U	25 U
Methyl tert butyl ether		1 U	1 U	—	80 U	40 U	50 U	40 U	40 U	50 U	50 U
Methylene chloride		2.5 U	5 U	2.0 U	100 U	200 U	250 U	100 U	100 U	120 U	120 U
Naphthalene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 UJ	120 U
Styrene		0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U	20 U	25 U	25 U
Tetrachloroethene		0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U	20 U	25 U	25 U
Tetrahydrofuran		10 UJ	10 UJ	—	400 U	400 U	500 U	400 U	400 U	500 U	500 U
Toluene		0.75 U	0.75 U	9.8	30 U	30 U	38 U	30 U	30 U	38 U	38 U
Trichloroethene		0.5 U	0.5 U	53 J	20 U	120	25 U	20 U	20 U	29	25 U
Trichlorofluoromethane		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
Vinyl acetate		5 U	5 U	—	200 U	200 UJ	250 U	200 UJ	200 U	250 U	250 U
Vinyl chloride		1 U	1 U	710	750	890	410	1200	1100	1800	4200
cis-1,2-Dichloroethene		0.5 U	0.5 U	3900	2200	2800	1700	3300	3600	4100	5200
cis-1,3-Dichloropropylene		0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U	20 U	25 U	25 U
n-Butylbenzene		0.5 U	0.5 U	—	100 U	20 U	25 U	20 U	20 U	25 U	25 U
n-Propylbenzene		0.5 U	0.5 U	—	100 U	20 U	25 U	20 U	20 U	25 U	25 U
2-Chlorotoluene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
o-Xylene		0.5 U	0.5 U	—	20 U	20 U	25 U	20 U	20 U	25 U	25 U
4-Chlorotoluene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
p-Isopropyltoluene		0.5 U	0.5 U	—	100 U	20 U	25 U	20 U	20 U	25 U	25 U
m,p-Xylenes		0.5 U	0.5 U	—	20 U	20 U	25 U	20 U	20 U	25 U	25 U
sec-Butylbenzene		0.5 U	0.5 U	—	100 U	20 U	25 U	20 U	20 U	25 U	25 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	MW-5A	MW-5A	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
	SDG ID	L0111491	L0212604	3970	L0102437	L0105542	L0108838	L0111491	L0202990	L0206116	L0209565
	Dilution Factor	1	1	1	40	40	50	40	40	50	50
	Sample Date	12/05/01	12/12/02	11/17/99	03/20/01	06/19/01	09/20/01	12/05/01	03/28/02	06/20/02	09/19/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		2.5 U	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	66 J	30 U	100	38 U	30 U	30 U	38 U	38 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U	20 U	25 U	25 U
trans-1,4-Dichloro-2-butene		2.5 UJ	2.5 U	—	100 U	100 U	120 U	100 U	100 U	120 U	120 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-6	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A
	SDG ID	L0212604	3930	L0102437	L0105542	L0108838	L0111491	L0202990	L0206116	L0209565	L0212604
	Dilution Factor	1	1	5	2	2	2	1	1	1	1
	Sample Date	12/11/02	11/16/99	03/20/01	06/19/01	09/20/01	12/05/01	03/27/02	06/20/02	09/19/02	12/11/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		50 U	—	12 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		50 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		50 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane		75 U	0.50 U	3.8 U	1.5 U	1.5 U	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		75 U	0.96	3.8 U	1.5 U	1.5 U	1.5 U	1	0.75 U	2.4	0.75 U
1,1-Dichloroethene		50 U	4.3	3.8 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		500 U	—	25 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		250 UJ	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		50 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane		180 U	0.50 U	8.8 U	3.5 U	3.5 U	3.5 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		250 U	—	12 U	5 U	5 U	5 U	2.9	2.5 U	2.5 U	2.7
1,4-Dichlorobutane		500 U	—	25 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane		250 U	—	12 U	5 U	5 U	5 U	2.5 U	—	2.5 U	2.5 U
2-Butanone (MEK)		500 U	10 U	25 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
2-Hexanone		500 U	5.0 U	25 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)		500 U	5.0 U	25 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
Acetone		500 U	10 U	25 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
Acrolein		1200 U	—	62 U	25 U	25 U	25 U	12 U	12 U	12 U	12 U
Acrylonitrile		500 U	—	25 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
Benzene		50 U	30	7.5	9.3	10	9.5 J	2.7	3.8	3.9	5.8
Bromobenzene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		50 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		200 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	2 U	2 U
Bromomethane		100 U	1.0 U	5.0 UJ	2 UJ	2 U	2 U	1 U	1 U	1 U	1 U
Carbon disulfide		500 UJ	0.50 U	25 U	10 U	10 U	10 U	5 U	5 U	5 U	5 UJ

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-6	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A
	SDG ID	L0212604	3930	L0102437	L0105542	L0108838	L0111491	L0202990	L0206116	L0209565	L0212604
	Dilution Factor	1	1	5	2	2	2	1	1	1	1
	Sample Date	12/11/02	11/16/99	03/20/01	06/19/01	09/20/01	12/05/01	03/27/02	06/20/02	09/19/02	12/11/02
	Units	ug/L	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	WATER
Carbon tetrachloride		50 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		50 U	60	27	18	32	52 J	31	19	20	25
Chloroethane		100 U	11	5.0 U	2 U	2 U	2 U	1.8	1 U	1.1	1 U
Chloroform		75 U	0.50 U	3.8 U	1.5 U	1.5 U	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		250 U	1.0 U	25 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		50 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		500 U	—	25 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		500 U	—	25 U	10 U	10 U	10 UJ	5 U	5 U	5 U	5 U
Diethyl ether		250 U	—	62 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		500 U	—	25 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U
Ethylbenzene		50 U	0.11 J	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		500 U	—	25 UJ	10 UJ	10 U	10 U	5 U	5 U	5 U	5 U
Isopropylbenzene		50 U	—	12 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.52
Methyl tert butyl ether		100 U	—	10 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Methylene chloride		250 U	2.0 U	12 U	10 U	10 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Styrene		50 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		50 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		1000 U	—	50 U	20 U	20 U	20 U	10 U	10 U	10 U	10 UJ
Toluene		75 U	1.6	3.8 U	1.5 U	1.5 U	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		50 U	30	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		500 U	—	25 U	10 U	10 U	10 UJ	5 U	5 U	5 U	5 U
Vinyl chloride		2200	480	100	55	62	150	47	41	49	37
cis-1,2-Dichloroethene		3900	1200	180 J	72	69	120	50	43	49	20
cis-1,3-Dichloropropylene		50 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		50 U	—	12 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene		50 U	—	12 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		50 U	—	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		50 U	—	12 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes		50 U	—	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		50 U	—	12 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-6	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A
	SDG ID	L0212604	3930	L0102437	L0105542	L0108838	L0111491	L0202990	L0206116	L0209565	L0212604
	Dilution Factor	1	1	5	2	2	2	1	1	1	1
	Sample Date	12/11/02	11/16/99	03/20/01	06/19/01	09/20/01	12/05/01	03/27/02	06/20/02	09/19/02	12/11/02
	Units	ug/L	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	WATER
tert-Butylbenzene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		75 U	16	3.8 U	3.7	1.5 U	1.5 U	0.75 U	0.75 U	1.5	0.75 U
trans-1,3-Dichloropropene		50 U	0.50 U	2.5 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		250 U	—	12 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8A	MW-8A	MW-8A	MW-8A
	SDG ID	3930	L0102437	L0107373	L0109029	L0111561	L0212377	3930	L0102437	L0107373	L0109029
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/99	03/20/01	08/09/01	09/26/01	12/06/01	12/05/02	11/15/99	03/20/01	08/09/01	09/26/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
1,1,2-Trichloroethane		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		0.50 U	0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.75 U	0.5 U	0.5 U
1,1-Dichloropropene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U
1,2,4-Trichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
Dibromochloropropane		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
1,2-Dichloropropane		0.50 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.50 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U
2,2-Dichloropropane		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		10 U	5.0 U	5 U	5 U	5 U	5 U	10 U	5.0 U	5 UJ	5 U
2-Hexanone		5.0 U	5.0 U	5 U	5 U	5 U	5 UJ	5.0 U	5.0 U	5 UJ	5 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5 U	5 U	5 UJ	5 U	5.0 U	5.0 U	5 UJ	5 U
Acetone		10 U	5.0 U	5 U	5 U	5 U	5 U	10 U	5.0 U	5 UJ	5 U
Acrolein		—	12 U	12 U	12 U	12 UJ	12 UJ	—	12 U	12 U	12 U
Acrylonitrile		—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U
Benzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Bromobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
Bromochloromethane		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
Bromodichloromethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Bromoform		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	2 U	0.50 U	0.50 U	0.5 U	0.5 U
Bromomethane		1.0 U	1.0 UJ	1 U	1 U	1 U	1 UJ	1.0 U	1.0 UJ	1 U	1 U
Carbon disulfide		0.50 U	5.0 U	5 U	5 U	5 U	5 U	0.50 U	5.0 U	5 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8A	MW-8A	MW-8A	MW-8A
	SDG ID	3930	L0102437	L0107373	L0109029	L0111561	L0212377	3930	L0102437	L0107373	L0109029
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/99	03/20/01	08/09/01	09/26/01	12/06/01	12/05/02	11/15/99	03/20/01	08/09/01	09/26/01
	Units	ug/L	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	WATER
Carbon tetrachloride		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Chlorobenzene		0.50 U	1.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	1.8 U	0.5 U	0.5 U
Chloroethane		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Chloroform		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U
Chloromethane		1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	5.0 U	2.5 U	2.5 U
Dibromochloromethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Dibromomethane		—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U
Dichlorodifluoromethane		—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 UJ	5 U
Diethyl ether		—	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	12 U	2.5 U	2.5 U
Ethyl methacrylate		—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U
Ethylbenzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Hexachlorobutadiene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
Methyl iodide		—	5.0 UJ	5 U	5 U	5 U	5 UJ	—	5.0 UJ	5 UJ	5 U
Isopropylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U
Methyl tert butyl ether		—	2.0 U	1 U	1 U	1 U	1 U	—	2.0 U	1 U	1 U
Methylene chloride		2.0 U	2.5 U	5 U	5 U	2.5 U	2.5 U	2.0 U	2.5 U	5 U	5 U
Naphthalene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
Styrene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Tetrachloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Tetrahydrofuran		—	10 U	10 U	10 U	10 U	10 U	—	10 U	10 U	10 U
Toluene		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U
Trichloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Trichlorofluoromethane		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
Vinyl acetate		—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U
Vinyl chloride		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
cis-1,2-Dichloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
cis-1,3-Dichloropropylene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
n-Butylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U
n-Propylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U
2-Chlorotoluene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
o-Xylene		—	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U	0.5 U
4-Chlorotoluene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U
m,p-Xylenes		—	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U	0.5 U
sec-Butylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8A	MW-8A	MW-8A	MW-8A
	SDG ID	3930	L0102437	L0107373	L0109029	L0111561	L0212377	3930	L0102437	L0107373	L0109029
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/99	03/20/01	08/09/01	09/26/01	12/06/01	12/05/02	11/15/99	03/20/01	08/09/01	09/26/01
	Units	ug/L	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	WATER
tert-Butylbenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	—	2.5 U	2.5 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	MW-8A	MW-8A	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10A	MW-10A	MW-10AR
Sample ID	MW-8A	MW-8A	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10A	MW-10A	MW-10AR
SDG ID	L0111561	L0212377	L0102479	L0105487	L0109029	L0111561	L0212520	L0102674	L0105542	L0108901
Dilution Factor	1	1	1	1	1	1	1	1	1	1
Sample Date	12/06/01	12/05/02	03/21/01	06/15/01	09/27/01	12/06/01	12/10/02	03/27/01	06/19/01	09/24/01
Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	0.5 U	0.5 U	0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	0.75 U	0.5 U	0.5 U
1,1-Dichloropropene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,2,4-Trichlorobenzene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
1,2-Dichloropropane	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U
2,2-Dichloropropane	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)	5 U	5 U	5.0 U	5 UJ	5 U	5 U	5 U	6.7	5 UJ	5 U
2-Hexanone	5 U	5 UJ	5.0 U	5 UJ	5 U	5 U	5 U	5.0 U	5 UJ	5 U
4-Methyl-2-pentanone (MIBK)	5 UJ	5 U	5.0 U	5 U	5 U	5 UJ	5 U	5.0 U	5 U	5 U
Acetone	5 U	5 U	5.0 UJ	5 UJ	5 UJ	5 U	5 U	5.0 U	5 UJ	5 U
Acrolein	12 UJ	12 UJ	12 U	12 U	12 U	12 UJ	12 UJ	12 U	12 U	12 U
Acrylonitrile	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
Bromobenzene	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
Bromoform	0.5 U	2 U	0.50 U	0.5 U	0.5 U	0.5 U	2 U	0.50 U	0.5 U	0.5 U
Bromomethane	1 U	1 UJ	1.0 UJ	1 U	1 U	1 U	1 UJ	1.0 UJ	1 U	1 U
Carbon disulfide	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-8A	MW-8A	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10A	MW-10A	MW-10AR
	SDG ID	L0111561	L0212377	L0102479	L0105487	L0109029	L0111561	L0212520	L0102674	L0105542	L0108901
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/06/01	12/05/02	03/21/01	06/15/01	09/27/01	12/06/01	12/10/02	03/27/01	06/19/01	09/24/01
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
Chlorobenzene		0.5 U	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8 U	0.63	0.5 U
Chloroethane		1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U
Chloroform		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U
Dibromochloromethane		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
Dibromomethane		5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Diethyl ether		2.5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	2.5 U
Ethyl methacrylate		5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Ethylbenzene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
Hexachlorobutadiene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		5 U	5 UJ	5.0 UJ	5 U	5 U	5 U	5 UJ	5.0 UJ	5 UJ	5 U
Isopropylbenzene		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
Methyl tert butyl ether		1 U	1 U	2.0 U	1 U	1 U	1 U	1 U	2.0 U	1 U	1 U
Methylene chloride		2.5 U	2.5 U	2.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	5 U
Naphthalene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
Tetrachloroethene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
Tetrahydrofuran		10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	29	14	10 U
Toluene		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	1.8	0.75 U
Trichloroethene		0.5 U	0.5 U	4.1	8.9	6.9	1.7	1.4	0.50 U	0.5 U	0.5 U
Trichlorofluoromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		5 U	5 U	5.0 U	5 UJ	5 U	5 U	5 U	5.0 U	5 UJ	5 U
Vinyl chloride		1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U
cis-1,2-Dichloroethene		0.5 U	0.5 U	8.8	18	16	5.4	3.4	1.1	1.5	1.5
cis-1,3-Dichloropropylene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
n-Butylbenzene		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
n-Propylbenzene		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
2-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
4-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
m,p-Xylenes		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
sec-Butylbenzene		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-8A	MW-8A	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10A	MW-10A	MW-10AR
	SDG ID	L0111561	L0212377	L0102479	L0105487	L0109029	L0111561	L0212520	L0102674	L0105542	L0108901
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/06/01	12/05/02	03/21/01	06/15/01	09/27/01	12/06/01	12/10/02	03/27/01	06/19/01	09/24/01
	Units	ug/L	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	WATER
tert-Butylbenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	0.75 U	0.75	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-10AR	MW-10AR	MW-10B	MW-10B	MW-10B	MW-10B	MW-10B	MW-12	MW-12AR	MW-12AR
	SDG ID	L0111561	L0212763	L0102479	L0105542	L0109029	L0111561	L0212520	3958	L0102630	L0105431
	Dilution Factor	1	1	1	1	1	1	1	2	2	2
	Sample Date	12/06/01	12/17/02	03/21/01	06/19/01	09/27/01	12/06/01	12/10/02	11/18/99	03/26/01	06/14/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	5.0 U	1 U
1,1,1-Trichloroethane		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	1.0 U	1.5 U	1.5 U
1,1-Dichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.40 J	1.5 U	1.5 U
1,1-Dichloroethene		0.5 U	0.5 U	0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.5 U	1 U
1,1-Dichloropropene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
1,2,3-Trichloropropane		5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	—	10 U	10 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.8	35
Dibromochloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
1,2-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
1,2-Dichloroethane		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
1,2-Dichloropropane		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.0 U	3.5 U	3.5 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
1,3-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
1,3-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
1,4-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	12	12
1,4-Dichlorobutane		5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	—	10 U	10 U
2,2-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
2-Butanone (MEK)		5 U	5 U	5.0 U	5 UJ	5 U	5 U	5 U	20 U	10 U	10 UJ
2-Hexanone		5 U	5 UJ	5.0 U	5 UJ	5 U	5 UJ	5 U	10 U	10 U	10 UJ
4-Methyl-2-pentanone (MIBK)		5 UJ	5 U	5.0 U	5 U	5 U	5 UJ	5 U	10 U	10 U	10 U
Acetone		5 U	5 U	5.0 UJ	5 UJ	5 UJ	5 U	5 U	20 U	10 UJ	10 UJ
Acrolein		12 UJ	12 U	12 U	12 U	12 U	12 UJ	12 UJ	—	25 U	25 U
Acrylonitrile		5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	—	10 U	10 U
Benzene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	61	100	50
Bromobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
Bromodichloromethane		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
Bromoform		0.5 U	2 U	0.50 U	0.5 U	0.5 U	0.5 U	2 U	1.0 U	1.0 U	1 U
Bromomethane		1 U	1 U	1.0 UJ	1 UJ	1 U	1 U	1 UJ	2.0 U	2.0 UJ	2 U
Carbon disulfide		5 U	5 UJ	5.0 U	5 U	5 U	5 U	5 U	1.0 U	10 U	10 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-10AR	MW-10AR	MW-10B	MW-10B	MW-10B	MW-10B	MW-10B	MW-12	MW-12AR	MW-12AR
	SDG ID	L0111561	L0212763	L0102479	L0105542	L0109029	L0111561	L0212520	3958	L0102630	L0105431
	Dilution Factor	1	1	1	1	1	1	1	2	2	2
	Sample Date	12/06/01	12/17/02	03/21/01	06/19/01	09/27/01	12/06/01	12/10/02	11/18/99	03/26/01	06/14/01
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
Chlorobenzene		0.5 U	0.5 U	1.8 U	0.7	0.5 U	0.5 U	0.5 U	37	70	50
Chloroethane		1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2.0 UJ	13	2 U
Chloroform		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	1.0 U	1.5 U	1.5 U
Chloromethane		2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.0 U	10 U	5 U
Dibromochloromethane		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
Dibromomethane		5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	—	10 U	10 U
Dichlorodifluoromethane		5 U	5 UJ	5.0 U	5 U	5 U	5 U	5 U	—	10 U	10 U
Diethyl ether		2.5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	5 U
Ethyl methacrylate		5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	—	10 U	10 U
Ethylbenzene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	2.1
Hexachlorobutadiene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
Methyl iodide		5 U	5 U	5.0 UJ	5 UJ	5 U	5 U	5 UJ	—	10 UJ	10 U
Isopropylbenzene		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	18	12
Methyl tert butyl ether		1 U	1 U	2.0 U	1 U	1 U	1 U	1 U	—	4.0 U	2 U
Methylene chloride		2.5 U	2.5 U	2.5 U	5 U	5 U	2.5 U	2.5 U	4.0 U	5.0 U	10 U
Naphthalene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	40
Styrene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
Tetrachloroethene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
Tetrahydrofuran		10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	—	20 U	20 U
Toluene		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.26 J	1.5 U	1.5 U
Trichloroethene		0.5 U	0.5 U	4.4	8.6	5.6	1.3	0.8	1.0 U	1.0 U	1 U
Trichlorofluoromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
Vinyl acetate		5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	—	10 U	10 UJ
Vinyl chloride		1 U	1 U	1.0 U	2.5	1 U	1 U	1 U	2.0 U	2.0 U	2 U
cis-1,2-Dichloroethene		0.5 U	0.5 U	9.2	22	15	3.4	2	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropylene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
n-Butylbenzene		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	5.0 U	2.5
n-Propylbenzene		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	5.0 U	4.5
2-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
o-Xylene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.1	2.5
4-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
p-Isopropyltoluene		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	5.0 U	1 U
m,p-Xylenes		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—	8.4	5.2
sec-Butylbenzene		0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	5.0 U	1.5

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-10AR	MW-10AR	MW-10B	MW-10B	MW-10B	MW-10B	MW-10B	MW-12	MW-12AR	MW-12AR
	SDG ID	L0111561	L0212763	L0102479	L0105542	L0109029	L0111561	L0212520	3958	L0102630	L0105431
	Dilution Factor	1	1	1	1	1	1	1	2	2	2
	Sample Date	12/06/01	12/17/02	03/21/01	06/19/01	09/27/01	12/06/01	12/10/02	11/18/99	03/26/01	06/14/01
	Units	ug/L	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	WATER
tert-Butylbenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	1.0 U	1.5 U	1.5 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	—	5.0 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	MW-12AR	MW-12AR	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A
Sample ID	MW-12AR	MW-12AR	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A
SDG ID	L0109029	L0212735	3970	L0102597	L0105487	L0109029	L0111394	L0212377	3970	L0102597
Dilution Factor	2	1	50	1	1	1	1	1	1	1
Sample Date	09/26/01	12/16/02	11/17/99	03/23/01	06/15/01	09/26/01	12/04/01	12/04/02	11/17/99	03/23/01
Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane	1 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U
1,1,1-Trichloroethane	1 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	1 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
1,1,2-Trichloroethane	1.5 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U
1,1-Dichloroethane	1.5 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U
1,1-Dichloroethene	1 U	0.5 U	4.4	0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.75 U
1,1-Dichloropropene	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
1,2,3-Trichlorobenzene	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
1,2,3-Trichloropropane	10 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U
1,2,4-Trichlorobenzene	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
Benzene, 1,2,4-trimethyl	5.3	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
Dibromochloropropane	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	—	2.5 U
1,2-Dibromoethane (EDB)	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
1,2-Dichlorobenzene	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
1,2-Dichloroethane	1 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
1,2-Dichloropropane	3.5 U	1.8 U	0.50 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.50 U	1.8 U
Benzene, 1,3,5-trimethyl-	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
1,3-Dichlorobenzene	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
1,3-Dichloropropane	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
1,4-Dichlorobenzene	9.6	8.1	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
1,4-Dichlorobutane	10 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U
2,2-Dichloropropane	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
2-Butanone (MEK)	10 U	5 U	10 U	5.0 U	5 UJ	5 U	5 UJ	5 U	10 U	5.0 U
2-Hexanone	10 U	5 UJ	5.0 U	5.0 U	5 UJ	5 U	5 UJ	5 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	10 U	5 U	5.0 U	5.0 U	5 U	5 U	5 UJ	5 U	5.0 U	5.0 U
Acetone	10 UJ	5 U	10 U	5.0 UJ	5 UJ	5 U	5 UJ	5 UJ	10 U	5.0 UJ
Acrolein	25 U	12 U	—	12 U	12 U	12 U	12 UJ	12 U	—	12 U
Acrylonitrile	10 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U
Benzene	57	100	2.9	0.50 U	0.5 U	0.76	0.78	0.5 U	0.65	0.50 U
Bromobenzene	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
Bromochloromethane	5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
Bromodichloromethane	1 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Bromoform	1 U	2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	2 U	0.50 U	0.50 U
Bromomethane	2 U	1 U	1.0 U	1.0 UJ	1 U	1 U	1 U	1 U	1.0 U	1.0 UJ
Carbon disulfide	10 U	5 UJ	0.50 U	5.0 U	5 U	5 U	5 U	5 U	0.50 U	5.0 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-12AR	MW-12AR	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A
	SDG ID	L0109029	L0212735	3970	L0102597	L0105487	L0109029	L0111394	L0212377	3970	L0102597
	Dilution Factor	2	1	50	1	1	1	1	1	1	1
	Sample Date	09/26/01	12/16/02	11/17/99	03/23/01	06/15/01	09/26/01	12/04/01	12/04/02	11/17/99	03/23/01
	Units	ug/L	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	WATER
Carbon tetrachloride		1 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Chlorobenzene		41	60	1.9	1.8 U	0.5 U	1.1	2.9	0.76	1.7	1.8 U
Chloroethane		2 U	9.6	1.0 UJ	1.0 U	1 U	1 U	1 U	1 U	1.0 UJ	1.0 U
Chloroform		1.5 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U
Chloromethane		5 U	2.5 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	5.0 U
Dibromochloromethane		1 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Dibromomethane		10 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U
Dichlorodifluoromethane		10 U	5 UJ	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U
Diethyl ether		5 U	2.5 U	—	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	12 U
Ethyl methacrylate		10 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U
Ethylbenzene		1 U	0.51	3.4	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Hexachlorobutadiene		5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
Methyl iodide		10 U	5 U	—	5.0 U	5 UJ	5 U	5 U	5 U	—	5.0 U
Isopropylbenzene		10	14	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U
Methyl tert butyl ether		2 U	1 U	—	2.0 U	1	1 U	1 U	1 U	—	2.0 U
Methylene chloride		10 U	2.5 U	2.0 U	2.5 U	5 U	5 U	2.5 U	2.5 U	2.0 U	2.5 U
Naphthalene		14	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
Styrene		1 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Tetrachloroethene		1 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Tetrahydrofuran		20 U	10 U	—	10 U	10 U	10 U	10 U	10 UJ	—	10 U
Toluene		1.5 U	0.75 U	1.2	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.10 J	0.75 U
Trichloroethene		1 U	0.5 U	18	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.17 J	0.50 U
Trichlorofluoromethane		5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
Vinyl acetate		10 U	5 U	—	5.0 U	5 UJ	5 U	5 U	5 U	—	5.0 U
Vinyl chloride		2 U	1 U	110	3.8	1 U	7.6	14	5.9 J	11	5.0
cis-1,2-Dichloroethene		1 U	0.5 U	840	3.3	1.1	3.6	9.2	3.8	15	5.2
cis-1,3-Dichloropropylene		1 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
n-Butylbenzene		1.4	0.86	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U
n-Propylbenzene		2.6	2	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U
2-Chlorotoluene		5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
o-Xylene		1.1	0.74	—	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—	0.50 U
4-Chlorotoluene		5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
p-Isopropyltoluene		1 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U
m,p-Xylenes		1 U	1	—	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—	0.50 U
sec-Butylbenzene		1 U	0.62	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-12AR	MW-12AR	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A
	SDG ID	L0109029	L0212735	3970	L0102597	L0105487	L0109029	L0111394	L0212377	3970	L0102597
	Dilution Factor	2	1	50	1	1	1	1	1	1	1
	Sample Date	09/26/01	12/16/02	11/17/99	03/23/01	06/15/01	09/26/01	12/04/01	12/04/02	11/17/99	03/23/01
	Units	ug/L	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	WATER
tert-Butylbenzene		5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U
trans-1,2-Dichloroethene		1.5 U	0.75 U	9.5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.22 J	0.75 U
trans-1,3-Dichloropropene		1 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene		5 U	2.5 UJ	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-13A	MW-13A	MW-13A	MW-13A	MW-14	MW-14	MW-14	MW-14 (VOA VIAL-B)	MW-14	MW-14
	SDG ID	L0105542	L0108838	L0111394	L0212735	3903	L0102408	L0105431	L0108838	L0108838	L0111345
	Dilution Factor	1	1	1	1	50	20	20	20	20	5
	Sample Date	06/18/01	09/21/01	12/04/01	12/16/02	11/12/99	03/19/01	06/14/01	09/20/01	09/21/01	12/03/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	0.5 U	—	50 U	10 U	0.5 U	0.5 U	2.5 U
1,1,1-Trichloroethane		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
1,1,2-Trichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	25 U	15 U	15 U	0.75 U	0.75 U	3.8 U
1,1-Dichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	25 U	15 U	15 U	1.1	1.1	3.8 U
1,1-Dichloroethene		0.5 U	0.5 U	0.5 U	0.5 U	25 U	15 U	10 U	0.5 U	0.5 U	2.5 U
1,1-Dichloropropene		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ
1,2,3-Trichloropropane		5 U	5 U	5 U	5 U	—	100 U	100 U	5 U	5 U	25 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	4	2.5 U	12 UJ
Dibromochloropropane		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U
1,2-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ
1,2-Dichloroethane		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
1,2-Dichloropropane		1.8 U	1.8 U	1.8 U	1.8 U	25 U	35 U	35 U	1.8 U	1.8 U	8.8 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.8	2.5 U	12 UJ
1,3-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	3.2	2.6	12 UJ
1,3-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U
1,4-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	11	10	12 UJ
1,4-Dichlorobutane		5 U	5 U	5 U	5 U	—	100 U	100 U	5 U	5 U	25 U
2,2-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U
2-Butanone (MEK)		5 UJ	5 U	5 U	5 U	500 U	100 U	100 UJ	5 U	5 U	25 U
2-Hexanone		5 UJ	5 U	5 U	5 UJ	250 U	100 U	100 UJ	5 U	5 U	25 U
4-Methyl-2-pentanone (MIBK)		5 U	5 U	5 U	5 U	250 U	100 U	100 U	5 U	5 U	25 UJ
Acetone		5 UJ	5 U	5 U	5 U	500 U	100 U	100 UJ	5 U	5 U	25 U
Acrolein		12 U	12 U	12 UJ	12 U	—	250 U	250 U	12 U	12 U	62 UJ
Acrylonitrile		5 U	5 U	5 U	5 U	—	100 U	100 U	5 U	5 U	25 U
Benzene		0.5 U	0.81	0.97	0.5 U	570	870	880	200	0.5 U	100 J
Bromobenzene		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U
Bromodichloromethane		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
Bromoform		0.5 U	0.5 U	0.5 U	2 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
Bromomethane		1 U	1 U	1 U	1 U	50 U	20 UJ	20 U	1 U	1 U	5 U
Carbon disulfide		5 U	5 U	5 U	5 UJ	25 U	100 U	100 U	5 U	5 U	25 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	MW-13A	MW-13A	MW-13A	MW-13A	MW-14	MW-14	MW-14	MW-14 (VOA VIAL-B)	MW-14	MW-14
	SDG ID	L0105542	L0108838	L0111394	L0212735	3903	L0102408	L0105431	L0108838	L0108838	L0111345
	Dilution Factor	1	1	1	1	50	20	20	20	20	5
	Sample Date	06/18/01	09/21/01	12/04/01	12/16/02	11/12/99	03/19/01	06/14/01	09/20/01	09/21/01	12/03/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Carbon tetrachloride		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
Chlorobenzene		0.59	1.7	4	1.1	45	68	70	51	0.5 U	17 J
Chloroethane		1 U	1 U	1 U	1 U	50 U	20 U	20 U	10	9.4	5 U
Chloroform		0.75 U	0.75 U	0.75 U	0.75 U	25 U	15 U	15 U	0.75 U	0.75 U	3.8 U
Chloromethane		2.5 U	2.5 U	2.5 U	2.5 U	50 U	100 U	50 U	2.5 U	2.5 U	12 U
Dibromochloromethane		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
Dibromomethane		5 U	5 U	5 U	5 U	—	100 U	100 U	5 U	5 U	25 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 UJ	—	100 U	100 U	5 U	5 U	25 U
Diethyl ether		2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	50 U	2.5 U	2.5 U	12 U
Ethyl methacrylate		5 U	5 U	5 U	5 U	—	100 U	100 U	5 U	5 U	25 U
Ethylbenzene		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	11	0.5 U	2.5 UJ
Hexachlorobutadiene		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U
Methyl iodide		5 UJ	5 U	5 U	5 U	—	100 UJ	100 U	5 U	5 U	25 U
Isopropylbenzene		0.5 U	0.5 U	0.5 U	0.5 U	—	50 U	10 U	3	0.5 U	2.5 UJ
Methyl tert butyl ether		1.3	1 U	1 U	1 U	—	40 U	20 U	1 U	1 U	5 U
Methylene chloride		5 U	5 U	2.5 U	2.5 U	100 U	50 U	100 U	5 U	5 U	12 U
Naphthalene		2.5 U	2.5 U	2.5 U	2.5 U	—	93	50 U	37	2.5 U	12 UJ
Styrene		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 UJ
Tetrachloroethene		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
Tetrahydrofuran		10 U	10 U	10 UJ	10 U	—	200 U	200 U	12	10 U	50 U
Toluene		0.75 U	0.75 U	0.75 U	0.75 U	25 U	15 U	15 U	1.1	0.75 U	3.8 UJ
Trichloroethene		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
Trichlorofluoromethane		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U
Vinyl acetate		5 UJ	5 U	5 U	5 U	—	100 U	100 UJ	5 U	5 U	25 U
Vinyl chloride		1.4	6.9	15	8.6	50 U	20 U	20 U	1 U	1 U	5 U
cis-1,2-Dichloroethene		0.8	4.9	12	5.4	18 J	10 U	10 U	0.5 U	0.5 U	2.5 U
cis-1,3-Dichloropropylene		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
n-Butylbenzene		0.5 U	0.5 U	0.5 U	0.5 U	—	50 U	10 U	0.5 U	0.5 U	2.5 UJ
n-Propylbenzene		0.5 U	0.5 U	0.5 U	0.5 U	—	50 U	10 U	2.3	0.5 U	2.5 UJ
2-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ
o-Xylene		0.5 U	0.5 U	0.5 U	0.5 U	—	10 U	10 U	0.96	0.5 U	2.5 UJ
4-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ
p-Isopropyltoluene		0.5 U	0.5 U	0.5 U	0.5 U	—	50 U	10 U	0.5 U	0.5 U	2.5 UJ
m,p-Xylenes		0.5 U	0.5 U	0.5 U	0.5 U	—	27	24	15	1.5	2.5 UJ
sec-Butylbenzene		0.5 U	0.5 U	0.5 U	0.5 U	—	50 U	10 U	0.52	0.5 U	2.5 UJ

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	MW-13A	MW-13A	MW-13A	MW-13A	MW-14	MW-14	MW-14	MW-14 (VOA VIAL-B)	MW-14	MW-14
	SDG ID	L0105542	L0108838	L0111394	L0212735	3903	L0102408	L0105431	L0108838	L0108838	L0111345
	Dilution Factor	1	1	1	1	50	20	20	20	20	5
	Sample Date	06/18/01	09/21/01	12/04/01	12/16/02	11/12/99	03/19/01	06/14/01	09/20/01	09/21/01	12/03/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		2.5 U	2.5 U	2.5 U	2.5 U	---	50 U	50 U	2.5 U	2.5 U	12 UJ
trans-1,2-Dichloroethene		0.75 U	0.75 U	0.75 U	0.75 U	25 U	15 U	15 U	0.75 U	0.75 U	3.8 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	0.5 U	0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 U	2.5 UJ	2.5 UJ	---	50 U	50 U	2.5 U	2.5 U	12 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
	SDG ID	L0203024	L0206031	L0209565	L0212604	3886	L0102408	L0105431	L0108729	L0111345	L0202937
	Dilution Factor	5	2	5	2	1	2	2	2	2	4
	Sample Date	03/29/02	06/19/02	09/18/02	12/11/02	11/10/99	03/19/01	06/13/01	09/18/01	12/03/01	03/26/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		2.5 U	1 U	2.5 U	1 U	—	5.0 U	1 U	1 U	1 U	2 U
1,1,1-Trichloroethane		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
1,1,2,2-Tetrachloroethane		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
1,1,2-Trichloroethane		3.8 U	1.5 U	3.8 U	1.5 U	0.50 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
1,1-Dichloroethane		3.8 U	1.5 U	3.8 U	1.5 U	0.14 J	1.5 U	1.5 U	1.5 U	1.5 U	3 U
1,1-Dichloroethene		2.5 U	1 U	2.5 U	1 U	0.50 U	1.5 U	1 U	1 U	1 U	2 U
1,1-Dichloropropene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
1,2,3-Trichlorobenzene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
1,2,3-Trichloropropane		25 U	10 U	25 U	10 U	—	10 U	10 U	10 U	10 U	20 U
1,2,4-Trichlorobenzene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
Benzene, 1,2,4-trimethyl		12 U	5 U	12 U	5 U	—	10	6.6	6.1	13	10 U
Dibromochloropropane		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
1,2-Dibromoethane (EDB)		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
1,2-Dichlorobenzene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
1,2-Dichloroethane		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
1,2-Dichloropropane		8.8 U	3.5 U	8.8 U	3.5 U	0.50 U	3.5 U	3.5 U	3.5 U	3.5 U	7 U
Benzene, 1,3,5-trimethyl-		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
1,3-Dichlorobenzene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
1,3-Dichloropropane		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
1,4-Dichlorobenzene		12 U	7.2	12 U	7	—	5.9	5 U	6.9	11	13
1,4-Dichlorobutane		25 U	10 U	25 U	10 U	—	10 U	10 U	10 U	10 U	20 U
2,2-Dichloropropane		12 U	—	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
2-Butanone (MEK)		25 U	10 U	25 U	10 U	10 U	10 U	10 UJ	10 U	10 U	20 U
2-Hexanone		25 U	10 U	25 U	10 U	5.0 U	10 U	10 UJ	10 U	10 U	20 U
4-Methyl-2-pentanone (MIBK)		25 U	10 U	25 U	10 U	5.0 U	10 U	10 U	10 U	10 UJ	20 U
Acetone		25 U	10 U	25 U	10 U	10 U	10 U	10 UJ	10 U	10 U	20 U
Acrolein		62 U	25 U	62 U	25 U	—	25 U	25 U	25 U	25 UJ	50 U
Acrylonitrile		25 U	10 U	25 U	10 U	—	10 U	10 U	10 U	10 U	20 U
Benzene		91	230	180	100	11	100	87	110	130	140
Bromobenzene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
Bromochloromethane		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
Bromodichloromethane		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
Bromoform		2.5 U	1 U	10 U	4 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
Bromomethane		5 U	2 U	5 U	2 U	1.0 UJ	2.0 UJ	2 U	2 U	2 U	4 U
Carbon disulfide		25 U	10 U	25 U	10 UJ	0.50 U	10 U	10 U	10 U	10 U	20 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
	SDG ID	L0203024	L0206031	L0209565	L0212604	3886	L0102408	L0105431	L0108729	L0111345	L0202937
	Dilution Factor	5	2	5	2	1	2	2	2	2	4
	Sample Date	03/29/02	06/19/02	09/18/02	12/11/02	11/10/99	03/19/01	06/13/01	09/18/01	12/03/01	03/26/02
	Units	ug/L	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	WATER
Carbon tetrachloride		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
Chlorobenzene		18 J	28	23	18	3.0	4.3	3	3.4	18	20
Chloroethane		13	9.1	5 U	14	1.0 U	12	2 U	14	2 U	12
Chloroform		3.8 U	1.5 U	3.8 U	1.5 U	0.50 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
Chloromethane		12 U	5 U	12 U	5 U	1.0 U	10 U	5 U	5 U	5 U	10 U
Dibromochloromethane		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
Dibromomethane		25 U	10 U	25 U	10 U	—	10 U	10 U	10 U	10 U	20 U
Dichlorodifluoromethane		25 U	10 U	25 U	10 U	—	10 U	10 U	10 U	10 U	20 U
Diethyl ether		12 U	5 U	12 U	5 U	—	25 U	5 U	5 U	5 U	10 U
Ethyl methacrylate		25 U	10 U	25 U	10 U	—	10 U	10 U	10 U	10 U	20 U
Ethylbenzene		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	2.5	1 U	1 U	2 U
Hexachlorobutadiene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
Methyl iodide		25 U	10 U	25 U	10 U	—	10 UJ	10 U	10 U	10 U	20 U
Isopropylbenzene		2.5 U	1.8	2.5 U	1.2	—	5.0 U	1.6	2.3	2.2	2.6
Methyl tert butyl ether		5 U	2 U	5 U	2 U	—	4.0 U	2 U	2 U	2 U	4 U
Methylene chloride		12 U	5 U	12 U	5 U	2.0 U	5.0 U	10 U	10 U	5 U	10 U
Naphthalene		12 U	12	12 U	5 U	—	9.7	6.9	6.5	5.6	15
Styrene		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
Tetrachloroethene		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
Tetrahydrofuran		50 U	20 U	50 U	20 U	—	20 U	20 U	20 U	20 U	40 U
Toluene		3.8 U	1.5 U	3.8 U	1.5 U	0.50 U	1.7	1.5 U	1.5 U	1.5 U	3 U
Trichloroethene		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
Trichlorofluoromethane		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
Vinyl acetate		25 U	10 U	25 U	10 U	—	10 U	10 UJ	10 U	10 U	20 U
Vinyl chloride		5 U	2 U	5 U	2 U	1.0 U	2.0 U	2 U	2 U	2 U	4 U
cis-1,2-Dichloroethene		2.5 U	1 U	2.5 U	1 U	0.34 J	1.0 U	1 U	1 U	1 U	2 U
cis-1,3-Dichloropropylene		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
n-Butylbenzene		4.4	1 U	2.5 U	1 U	—	5.0 U	1 U	1 U	3.4	5.9
n-Propylbenzene		2.5 U	1.2	2.5 U	1 U	—	5.0 U	1.4	2.2	2.5	3.4
2-Chlorotoluene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
o-Xylene		2.5 U	1 U	2.5 U	1 U	—	2.4	3.9	1.6	1 U	2.1
4-Chlorotoluene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
p-Isopropyltoluene		2.5 U	1 U	2.5 U	1 U	—	5.0 U	1 U	1 U	1 U	2 U
m,p-Xylenes		2.5 U	4.1	2.5 U	1 U	—	6.5	13	5.8	5.8	8.6
sec-Butylbenzene		2.5 U	1 U	2.5 U	1 U	—	5.0 U	1 U	1 U	1.1	2 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
	SDG ID	L0203024	L0206031	L0209565	L0212604	3886	L0102408	L0105431	L0108729	L0111345	L0202937
	Dilution Factor	5	2	5	2	1	2	2	2	2	4
	Sample Date	03/29/02	06/19/02	09/18/02	12/11/02	11/10/99	03/19/01	06/13/01	09/18/01	12/03/01	03/26/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U
trans-1,2-Dichloroethene		3.8 U	1.5 U	3.8 U	1.5 U	0.50 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
trans-1,3-Dichloropropene		2.5 U	1 U	2.5 U	1 U	0.50 U	1.0 U	1 U	1 U	1 U	2 U
trans-1,4-Dichloro-2-butene		12 U	5 U	12 U	5 U	—	5.0 U	5 U	5 U	5 U	10 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Date P[redacted]4/22/03[redacted]:41
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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-15	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-17
	SDG ID	L0206031	L0209565	L0212735	3886	L0102479	L0105431	L0108729	L0111345	L0212246	3958
	Dilution Factor	2	2	2.5	1	1	1	1	1	1	1
	Sample Date	06/19/02	09/19/02	12/16/02	11/11/99	03/21/01	06/13/01	09/18/01	12/03/01	12/02/02	11/18/99
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		1 U	1 U	1.2 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—
1,1,1-Trichloroethane		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
1,1,2,2-Tetrachloroethane		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
1,1,2-Trichloroethane		1.5 U	1.5 U	1.9 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U
1,1-Dichloroethane		1.5 U	1.5 U	1.9 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U
1,1-Dichloroethene		1 U	1 U	1.2 U	0.50 U	0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
1,1-Dichloropropene		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,2,3-Trichlorobenzene		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,2,3-Trichloropropane		10 U	10 U	12 U	—	5.0 U	5 U	5 U	5 U	5 U	—
1,2,4-Trichlorobenzene		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Benzene, 1,2,4-trimethyl		13	15	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Dibromochloropropane		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,2-Dibromoethane (EDB)		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,2-Dichlorobenzene		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,2-Dichloroethane		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
1,2-Dichloropropane		3.5 U	3.5 U	4.4 U	0.50 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.50 U
Benzene, 1,3,5-trimethyl-		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,3-Dichlorobenzene		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,3-Dichloropropane		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,4-Dichlorobenzene		6.9	11	12	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,4-Dichlorobutane		10 U	10 U	12 U	—	5.0 U	5 U	5 U	5 U	5 U	—
2,2-Dichloropropane		—	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
2-Butanone (MEK)		10 U	10 U	12 U	10 U	5.0 U	5 UJ	5 U	5 UJ	5 U	8.3 J
2-Hexanone		10 U	10 U	12 UJ	5.0 U	5.0 U	5 UJ	5 U	5 U	5 U	5.0 U
4-Methyl-2-pentanone (MIBK)		10 U	10 U	12 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5.0 U
Acetone		10 U	10 U	12 U	10 U	5.0 U	5 UJ	5 UJ	5 UJ	5 U	10 U
Acrolein		25 U	25 U	31 U	—	12 U	12 U	12 U	12 UJ	12 UJ	—
Acrylonitrile		10 U	10 U	12 U	—	5.0 U	5 U	5 U	5 U	5 U	—
Benzene		120	140	150 J	1.7	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Bromobenzene		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Bromochloromethane		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Bromodichloromethane		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Bromoform		1 U	4 U	5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	2 U	0.50 U
Bromomethane		2 U	2 U	2.5 U	1.0 UJ	1.0 UJ	1 U	1 U	1 U	1 UJ	1.0 U
Carbon disulfide		10 U	10 U	12 UJ	0.50 U	5.0 U	5 U	5 U	5 U	5 U	0.50 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-15	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-17
	SDG ID	L0206031	L0209565	L0212735	3886	L0102479	L0105431	L0108729	L0111345	L0212246	3958
	Dilution Factor	2	2	2.5	1	1	1	1	1	1	1
	Sample Date	06/19/02	09/19/02	12/16/02	11/11/99	03/21/01	06/13/01	09/18/01	12/03/01	12/02/02	11/18/99
	Units	ug/L	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	WATER
Carbon tetrachloride		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Chlorobenzene		5.2	15	18	0.50 U	1.8 U	0.5 U	0.5 U	0.62	0.5 U	0.50 U
Chloroethane		12	10	13 J	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1.0 UJ
Chloroform		1.5 U	1.5 U	1.9 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U
Chloromethane		5 U	5 U	6.2 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U
Dibromochloromethane		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Dibromomethane		10 U	10 U	12 U	—	5.0 U	5 U	5 U	5 U	5 U	—
Dichlorodifluoromethane		10 U	10 U	12 UJ	—	5.0 U	5 U	5 U	5 U	5 U	—
Diethyl ether		5 U	5 U	6.2 U	—	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Ethyl methacrylate		10 U	10 U	12 U	—	5.0 U	5 U	5 U	5 U	5 U	—
Ethylbenzene		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Hexachlorobutadiene		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Methyl iodide		10 U	10 U	12 U	—	5.0 UJ	5 U	5 U	5 U	5 UJ	—
Isopropylbenzene		2	2.2	2.3	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—
Methyl tert butyl ether		2 U	2 U	2.5 U	—	2.0 U	1 U	1 U	1 U	1 U	—
Methylene chloride		5 U	5 U	6.2 U	2.0 U	2.5 U	5 U	5 U	2.5 U	2.5 U	2.0 U
Naphthalene		6.5	7.9	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Styrene		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Tetrachloroethene		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Tetrahydrofuran		20 U	20 U	25 U	—	10 U	10 U	10 U	10 U	10 U	—
Toluene		1.8	1.5 U	1.9 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U
Trichloroethene		1 U	1 U	1.2 U	0.39 J	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	26
Trichlorofluoromethane		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Vinyl acetate		10 U	10 U	12 U	—	5.0 U	5 UJ	5 U	5 U	5 U	—
Vinyl chloride		2 U	2 U	2.5 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U
cis-1,2-Dichloroethene		1 U	1 U	1.2 U	2.8	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1
cis-1,3-Dichloropropylene		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
n-Butylbenzene		1 U	3.4	1.4	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—
n-Propylbenzene		2	2.8	2.9	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—
2-Chlorotoluene		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
o-Xylene		2.3	1 U	1.4	—	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—
4-Chlorotoluene		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
p-Isopropyltoluene		1 U	1.9	1.3	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—
m,p-Xylenes		7.2	6.5	9.4 J	—	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—
sec-Butylbenzene		1 U	1.1	1.2	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	MW-15	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-17
	SDG ID	L0206031	L0209565	L0212735	3886	L0102479	L0105431	L0108729	L0111345	L0212246	3958
	Dilution Factor	2	2	2.5	1	1	1	1	1	1	1
	Sample Date	06/19/02	09/19/02	12/16/02	11/11/99	03/21/01	06/13/01	09/18/01	12/03/01	12/02/02	11/18/99
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		5 U	5 U	6.2 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
trans-1,2-Dichloroethene		1.5 U	1.5 U	1.9 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U
trans-1,3-Dichloropropene		1 U	1 U	1.2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
trans-1,4-Dichloro-2-butene		5 U	5 U	6.2 UJ	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	—

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-17	MW-17	MW-17	MW-17 12/5	MW-17	MW-22A	MW-22A	MW-22A	MW-22A	MW-24
	SDG ID	L0102674	L0105542	L0108838	L0111561	L0212763	3970	L0102674	L0105542	L0109029	3886
	Dilution Factor	1	1	1	1	1	25	10	5	5	100
	Sample Date	03/27/01	06/18/01	09/21/01	12/05/01	12/17/02	11/17/99	03/27/01	06/18/01	09/27/01	11/11/99
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	25 U	2.5 U	2.5 U	—
1,1,1-Trichloroethane		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U
1,1,2,2-Tetrachloroethane		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U
1,1,2-Trichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	12 U	7.5 U	3.8 U	3.8 U	0.30 J
1,1-Dichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	12 U	7.5 U	3.8 U	3.8 U	0.50 U
1,1-Dichloroethene		0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	7.5 U	2.5 U	2.5 U	1.1
1,1-Dichloropropene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
1,2,3-Trichloropropane		5.0 U	5 U	5 U	5 U	5 U	—	50 U	25 U	25 U	—
1,2,4-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
Dibromochloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
1,2-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
1,2-Dichloroethane		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U
1,2-Dichloropropane		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	12 U	18 U	8.8 U	8.8 U	0.50 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	19	12 U	—
1,3-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
1,3-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
1,4-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	28	12 U	12 U	—
1,4-Dichlorobutane		5.0 U	5 U	5 U	5 U	5 U	—	50 U	25 U	25 U	—
2,2-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
2-Butanone (MEK)		5.0 U	5 UJ	5 U	5 U	5 U	250 U	50 U	25 UJ	25 U	10 U
2-Hexanone		5.0 U	5 UJ	5 U	5 U	5 UJ	120 U	50 U	25 UJ	25 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5 U	5 U	5 UJ	5 U	120 U	50 U	25 U	25 U	1.5 J
Acetone		5.0 U	5 UJ	5 U	5 U	5 U	250 U	130	25 UJ	25 UJ	10 U
Acrolein		12 U	12 U	12 U	12 UJ	12 U	—	120 U	62 U	62 U	—
Acrylonitrile		5.0 U	5 U	5 U	5 U	5 U	—	50 U	25 U	25 U	—
Benzene		0.50 U	0.65	0.5 U	0.54	0.5 U	670	120	26	190	3100
Bromobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
Bromodichloromethane		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U
Bromoform		0.50 U	0.5 U	0.5 U	0.5 U	2 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U
Bromomethane		1.0 UJ	1 U	1 U	1 U	1 U	25 U	10 UJ	5 U	5 U	1.0 UJ
Carbon disulfide		5.0 U	5 U	5 U	5 U	5 UJ	12 U	50 U	25 U	25 U	0.50 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-17	MW-17	MW-17	MW-17 12/5	MW-17	MW-22A	MW-22A	MW-22A	MW-22A	MW-24
	SDG ID	L0102674	L0105542	L0108838	L0111561	L0212763	3970	L0102674	L0105542	L0109029	3886
	Dilution Factor	1	1	1	1	1	25	10	5	5	100
	Sample Date	03/27/01	06/18/01	09/21/01	12/05/01	12/17/02	11/17/99	03/27/01	06/18/01	09/27/01	11/11/99
	Units	ug/L	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	WATER
Carbon tetrachloride		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U
Chlorobenzene		1.8 U	0.5 U	0.5 U	0.5 U	0.5 U	42	140	5.1	12	95
Chloroethane		1.0 U	1 U	1 U	1 U	1 U	25 U	10 U	5 U	5 U	11
Chloroform		0.75 U	0.75 U	1.4	0.75 U	0.75 U	12 U	7.5 U	3.8 U	3.8 U	0.50 U
Chloromethane		5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	25 UJ	50 U	12 U	12 U	1.0 U
Dibromochloromethane		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U
Dibromomethane		5.0 U	5 U	5 U	5 U	5 U	—	50 U	25 U	25 U	—
Dichlorodifluoromethane		5.0 U	5 U	5 U	5 U	5 UJ	—	50 U	25 U	25 U	—
Diethyl ether		12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	120 U	12 U	12 U	—
Ethyl methacrylate		5.0 U	5 U	5 U	5 U	5 U	—	50 U	25 U	25 U	—
Ethylbenzene		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	190	11	2.9	23	3.1
Hexachlorobutadiene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
Methyl iodide		5.0 UJ	5 UJ	5 U	5 U	5 U	—	50 UJ	25 UJ	25 U	—
Isopropylbenzene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	25 U	2.5 U	2.5 U	—
Methyl tert butyl ether		2.0 U	1 U	1 U	1 U	1 U	—	20 U	5 U	5 U	—
Methylene chloride		2.5 U	5 U	5 U	2.5 U	2.5 U	50 U	25 U	25 U	25 U	2.0 U
Naphthalene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	40	12 U	110	—
Styrene		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U
Tetrachloroethene		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.11 J
Tetrahydrofuran		10 U	10 U	10 U	10 U	10 U	—	100 U	50 U	50 U	—
Toluene		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	240	98	7.3	33	5.0
Trichloroethene		1.2	9.7	8.9	12	0.56	12 U	5.0 U	2.5 U	2.5 U	300
Trichlorofluoromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
Vinyl acetate		5.0 U	5 UJ	5 U	5 U	5 U	—	50 U	25 UJ	25 U	—
Vinyl chloride		1.0 U	1 U	1 U	1.3	1 U	25 U	10 U	5 U	5 U	93 J
cis-1,2-Dichloroethene		0.50 U	9.9	8.1	15	0.5 U	12 U	5.2	2.5 U	2.5 U	210
cis-1,3-Dichloropropylene		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U
n-Butylbenzene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	25 U	2.5 U	2.5 U	—
n-Propylbenzene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	25 U	2.5 U	2.5 U	—
2-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
o-Xylene		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—	23	4.5	18	—
4-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
p-Isopropyltoluene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	25 U	3.3	2.6	—
m,p-Xylenes		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—	12	28	20	—
sec-Butylbenzene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	25 U	2.5 U	2.5 U	—

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-17	MW-17	MW-17	MW-17 12/5	MW-17	MW-22A	MW-22A	MW-22A	MW-22A	MW-24
	SDG ID	L0102674	L0105542	L0108838	L0111561	L0212763	3970	L0102674	L0105542	L0109029	3886
	Dilution Factor	1	1	1	1	1	25	10	5	5	100
	Sample Date	03/27/01	06/18/01	09/21/01	12/05/01	12/17/02	11/17/99	03/27/01	06/18/01	09/27/01	11/11/99
	Units	ug/L	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	WATER
tert-Butylbenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	25 U	12 U	12 U	—
trans-1,2-Dichloroethene		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	12 U	7.5 U	3.8 U	3.8 U	16
trans-1,3-Dichloropropene		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	—	25 U	12 U	12 U	—

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	GCA-1	GCA-1
	SDG ID	L0102408	L0105431	L0108729	L0111345	L0202990	L0206031	L0209565	L0212604	3958	L0102627
	Dilution Factor	100	100	100	100	100	50	50	100	100	1
	Sample Date	03/19/01	06/13/01	09/19/01	12/03/01	03/28/02	06/18/02	09/19/02	12/11/02	11/18/99	03/23/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		250 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	—	2.5 U
1,1,1-Trichloroethane		50 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	50 U	0.50 U
1,1,2,2-Tetrachloroethane		50 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	50 U	0.50 U
1,1,2-Trichloroethane		75 U	75 U	75 U	75 U	75 U	38 U	38 U	75 U	50 U	0.75 U
1,1-Dichloroethane		75 U	75 U	75 U	75 U	75 U	38 U	38 U	75 U	50 U	0.75 U
1,1-Dichloroethene		75 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	18 J	0.75 U
1,1-Dichloropropene		250 U	250 U	250 U	250 U	250 U	120 U	120 U	250 U	—	2.5 U
1,2,3-Trichlorobenzene		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
1,2,3-Trichloropropane		500 U	500 U	500 U	500 U	500 U	250 U	250 U	500 U	—	5.0 U
1,2,4-Trichlorobenzene		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
Benzene, 1,2,4-trimethyl		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
Dibromochloropropane		250 U	250 U	250 U	250 U	250 U	120 U	120 U	250 UJ	—	2.5 U
1,2-Dibromoethane (EDB)		250 U	250 U	250 U	250 U	250 U	120 U	120 U	250 U	—	2.5 U
1,2-Dichlorobenzene		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
1,2-Dichloroethane		50 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	50 U	0.50 U
1,2-Dichloropropane		180 U	180 U	180 U	180 U	180 U	88 U	88 U	180 U	50 U	1.8 U
Benzene, 1,3,5-trimethyl-		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
1,3-Dichlorobenzene		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
1,3-Dichloropropane		250 U	250 U	250 U	250 U	250 U	120 U	120 U	250 U	—	2.5 U
1,4-Dichlorobenzene		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	7.8
1,4-Dichlorobutane		500 U	500 U	500 U	500 U	500 U	250 U	250 U	500 U	—	5.0 U
2,2-Dichloropropane		250 U	250 U	250 U	250 U	250 U	—	120 U	250 U	—	2.5 U
2-Butanone (MEK)		500 U	500 UJ	500 U	500 U	500 U	250 U	250 U	500 U	1000 U	5.0 U
2-Hexanone		500 U	500 UJ	500 U	500 U	500 U	250 U	250 U	500 U	500 U	5.0 U
4-Methyl-2-pentanone (MIBK)		500 U	500 U	500 U	500 UJ	500 U	250 U	250 U	500 U	500 U	5.0 U
Acetone		500 U	500 UJ	500 U	500 U	500 U	250 U	250 U	500 U	1000 U	5.0 UJ
Acrolein		1200 U	1200 U	1200 U	1200 UJ	1200 U	620 U	620 U	1200 U	—	12 U
Acrylonitrile		500 U	500 U	500 U	500 U	500 U	250 U	250 U	500 U	—	5.0 U
Benzene		5700	2400	5400	5200 J	3900	2500	5400	4100	470	56
Bromobenzene		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
Bromochloromethane		250 U	250 U	250 U	250 U	250 U	120 U	120 U	250 U	—	2.5 U
Bromodichloromethane		50 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	50 U	0.50 U
Bromoform		50 U	50 U	50 U	50 U	50 U	25 U	100 U	200 U	50 U	0.50 U
Bromomethane		100 UJ	100 U	100 U	100 U	100 U	50 U	50 U	100 U	100 U	1.0 UJ
Carbon disulfide		500 U	500 U	500 U	500 U	500 U	250 U	250 U	500 UJ	50 U	5.0 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	GCA-1	GCA-1
	SDG ID	L0102408	L0105431	L0108729	L0111345	L0202990	L0206031	L0209565	L0212604	3958	L0102627
	Dilution Factor	100	100	100	100	100	50	50	100	100	1
	Sample Date	03/19/01	06/13/01	09/19/01	12/03/01	03/28/02	06/18/02	09/19/02	12/11/02	11/18/99	03/23/01
	Units	ug/L	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	WATER
Carbon tetrachloride		50 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	50 U	0.50 U
Chlorobenzene		220	130	270	200 J	160	97	260	160	320	40
Chloroethane		100 U	100 U	100 U	100 U	100 U	50 U	50 U	100 U	100 UJ	5.3
Chloroform		75 U	75 U	75 U	75 U	75 U	38 U	38 U	75 U	50 U	0.75 U
Chloromethane		500 U	250 U	250 U	250 U	250 U	120 U	120 U	250 U	100 U	5.0 U
Dibromochloromethane		50 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	50 U	0.50 U
Dibromomethane		500 U	500 U	500 U	500 U	500 U	250 U	250 U	500 U	—	5.0 U
Dichlorodifluoromethane		500 U	500 U	500 U	500 U	500 U	250 U	250 U	500 U	—	5.0 U
Diethyl ether		1200 U	250 U	250 U	250 U	250 U	120 U	120 U	250 U	—	12 U
Ethyl methacrylate		500 U	500 U	500 U	500 U	500 U	250 U	250 U	500 U	—	5.0 U
Ethylbenzene		50 U	50 U	50 U	50 UJ	50 U	25 U	25 U	50 U	93	2.3
Hexachlorobutadiene		250 U	250 U	250 U	250 U	250 U	120 U	120 U	250 U	—	2.5 U
Methyl iodide		500 UJ	500 U	500 U	500 U	500 U	250 U	250 U	500 U	—	5.0 UJ
Isopropylbenzene		250 U	50 U	50 U	50 UJ	50 U	25 U	25 U	50 U	—	10
Methyl tert butyl ether		200 U	100 U	100 U	100 U	100 U	50 U	50 U	100 U	—	2.0 U
Methylene chloride		250 U	500 U	500 U	250 U	250 U	120 U	120 U	250 U	200 U	2.5 U
Naphthalene		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
Styrene		50 U	50 U	50 U	50 UJ	50 U	25 U	25 U	50 U	50 U	0.50 U
Tetrachloroethene		50 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	50 U	0.50 U
Tetrahydrofuran		1000 U	1000 U	1000 U	1000 U	1000 U	500 U	500 U	1000 U	—	10 U
Toluene		75 U	75 U	75 U	75 UJ	75 U	38 U	38 U	75 U	74	0.92
Trichloroethene		150	710	220	140	210	200	120	1000	160	0.50 U
Trichlorofluoromethane		250 U	250 U	250 U	250 U	250 U	120 U	120 U	250 U	—	2.5 U
Vinyl acetate		500 U	500 UJ	500 U	500 U	500 U	250 U	250 U	500 U	—	5.0 U
Vinyl chloride		170	100 U	210	180	110	88	62	110	1700	19
cis-1,2-Dichloroethene		290	240	490	320	220	260	210	230	11000	45
cis-1,3-Dichloropropylene		50 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	50 U	0.50 U
n-Butylbenzene		250 U	50 U	50 U	50 UJ	50 U	25 U	25 U	50 U	—	2.5 U
n-Propylbenzene		250 U	50 U	50 U	50 UJ	50 U	25 U	25 U	50 U	—	2.5 U
2-Chlorotoluene		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
o-Xylene		50 U	50 U	50 U	50 UJ	50 U	25 U	25 U	50 U	—	1.1
4-Chlorotoluene		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
p-Isopropyltoluene		250 U	50 U	50 U	50 UJ	50 U	25 U	25 U	50 U	—	2.5 U
m,p-Xylenes		50 U	50 U	50 U	50 UJ	50 U	25 U	25 U	50 U	—	3.3
sec-Butylbenzene		250 U	50 U	50 U	50 UJ	50 U	25 U	25 U	50 U	—	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	GCA-1	GCA-1
	SDG ID	L0102408	L0105431	L0108729	L0111345	L0202990	L0206031	L0209565	L0212604	3958	L0102627
	Dilution Factor	100	100	100	100	100	50	50	100	100	1
	Sample Date	03/19/01	06/13/01	09/19/01	12/03/01	03/28/02	06/18/02	09/19/02	12/11/02	11/18/99	03/23/01
	Units	ug/L	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	WATER
tert-Butylbenzene		250 U	250 U	250 U	250 UJ	250 U	120 U	120 U	250 U	—	2.5 U
trans-1,2-Dichloroethene		75 U	75 U	75 U	75 U	75 U	38 U	38 U	75 U	52	0.75 U
trans-1,3-Dichloropropene		50 U	50 U	50 U	50 U	50 U	25 U	25 U	50 U	50 U	0.50 U
trans-1,4-Dichloro-2-butene		250 U	250 U	250 U	250 U	250 U	120 U	120 U	250 U	—	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	ECJ-1-37	ECJ-1-35' 1635	ECJ-1-37'
	SDG ID	L0105431	L0109029	L0111394	L0203024	L0206116	L0209411	L0212604	4237	L0102627	L0105697
	Dilution Factor	1	1	2	20	2	2 and 5	5	5	20	1
	Sample Date	06/14/01	09/26/01	12/04/01	03/28/02	06/20/02	09/17/02	12/12/02	12/19/99	03/24/01	06/22/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	—	50 U	2.5 U
1,1,1-Trichloroethane		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	2.5 U	10 U	2.5 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	2.5 U	10 U	2.5 U
1,1,2-Trichloroethane		0.75 U	0.75 U	1.5 U	15 U	1.5 U	1.5 U	3.8 U	2.5 U	15 U	3.8 U
1,1-Dichloroethane		0.75 U	0.75 U	1.5 U	15 U	1.5 U	1.5 U	3.8 U	1.8 J	15 U	3.8 U
1,1-Dichloroethene		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	3.2	15 U	2.5 U
1,1-Dichloropropene		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
1,2,3-Trichloropropane		5 U	5 U	10 U	100 U	10 U	10 U	25 U	—	100 U	25 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
Benzene, 1,2,4-trimethyl		14	3.7	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
Dibromochloropropane		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 UJ	—	50 U	12 U
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
1,2-Dichlorobenzene		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
1,2-Dichloroethane		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	0.90 J	10 U	2.5 U
1,2-Dichloropropane		1.8 U	1.8 U	3.5 U	35 U	3.5 U	3.5 U	8.8 U	2.5 U	35 U	8.8 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
1,3-Dichlorobenzene		3	3.9	5 U	50 U	5 U	5.8	12 U	—	50 U	12 U
1,3-Dichloropropane		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
1,4-Dichlorobenzene		11	14	13	50 U	12	17	23	—	50 U	12 U
1,4-Dichlorobutane		5 U	5 U	10 U	100 U	10 U	10 U	25 U	—	100 U	25 U
2,2-Dichloropropane		2.5 U	2.5 U	5 U	50 U	—	5 U	12 U	—	50 U	12 U
2-Butanone (MEK)		5 UJ	5 U	10 U	100 U	10 U	10 U	25 U	50 U	100 U	25 U
2-Hexanone		5 UJ	5 U	10 UJ	100 U	10 U	10 U	25 U	25 U	100 U	25 U
4-Methyl-2-pentanone (MIBK)		5 U	5 U	10 UJ	100 U	10 U	10 U	25 U	25 U	100 U	25 U
Acetone		5 UJ	5 U	10 U	100 U	10 U	10 U	25 U	50 U	100 UJ	25 U
Acrolein		12 U	12 U	25 UJ	250 U	25 U	25 U	62 U	—	250 U	62 U
Acrylonitrile		5 U	5 U	10 U	100 U	10 U	10 U	25 U	—	100 U	25 U
Benzene		71	100	100	210	140	380	600	30	10 U	2.5 U
Bromobenzene		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
Bromochloromethane		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
Bromodichloromethane		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	2.5 U	10 U	2.5 U
Bromoform		0.5 U	0.5 U	1 U	10 U	1 U	4 U	10 U	2.5 U	10 U	2.5 U
Bromomethane		1 U	1 U	2 U	20 U	2 U	2 U	5 U	5.0 U	20 UJ	5 U
Carbon disulfide		5 U	5 U	10 U	100 U	10 U	10 U	25 UJ	2.5 U	100 U	25 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	ECJ-1-37	ECJ-1-35' 1635	ECJ-1-37'
	SDG ID	L0105431	L0109029	L0111394	L0203024	L0206116	L0209411	L0212604	4237	L0102627	L0105697
	Dilution Factor	1	1	2	20	2	2 and 5	5	5	20	1
	Sample Date	06/14/01	09/26/01	12/04/01	03/28/02	06/20/02	09/17/02	12/12/02	12/19/99	03/24/01	06/22/01
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	2.5 U	10 U	2.5 U
Chlorobenzene		54	80	65	150	76	180	280	51	35 U	2.5 U
Chloroethane		1 U	9.6	2 U	20 U	11	2 U	5 U	5.0 UJ	20 U	5 U
Chloroform		0.75 U	0.75 U	1.5 U	15 U	1.5 U	1.5 U	3.8 U	2.5 U	15 U	3.8 U
Chloromethane		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	5.0 U	100 U	12 U
Dibromochloromethane		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	2.5 U	10 U	2.5 U
Dibromomethane		5 U	5 U	10 U	100 U	10 U	10 U	25 U	—	100 U	25 U
Dichlorodifluoromethane		5 U	5 U	10 U	100 U	10 U	10 U	25 U	—	100 U	25 U
Diethyl ether		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	250 U	12 U
Ethyl methacrylate		5 U	5 U	10 U	100 U	10 U	10 U	25 U	—	100 U	25 U
Ethylbenzene		2.2	3.6	3.3	10 U	2.6	12	23	23	10 U	2.5 U
Hexachlorobutadiene		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
Methyl iodide		5 U	5 U	10 U	100 U	10 U	10 U	25 U	—	100 UJ	25 U
Isopropylbenzene		15	9.6	17	10 U	19	14	13	—	50 U	2.5 U
Methyl tert butyl ether		1 U	1 U	2 U	20 U	2 U	2 U	5 U	—	40 U	5 U
Methylene chloride		5 U	5 U	5 U	50 U	5 U	5 U	25 U	10 U	50 U	25 U
Naphthalene		13	4.5	5 U	50 U	5 UJ	19	60	—	50 U	12 U
Styrene		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	0.90 J	10 U	2.5 U
Tetrachloroethene		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	2.5 U	10 U	2.5 U
Tetrahydrofuran		10 U	10 U	20 U	200 U	20 U	20 U	50 U	—	200 U	50 U
Toluene		1.2	2.2	1.5 U	15 U	1.8	3.3	7.6	23	15 U	3.8 U
Trichloroethene		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	92	10 U	2.5 U
Trichlorofluoromethane		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
Vinyl acetate		5 UJ	5 U	10 U	100 U	10 U	10 U	25 U	—	100 U	25 U
Vinyl chloride		11	32	24	150	20	77	5 U	460	23	15
cis-1,2-Dichloroethene		23	50	51	450	37	120	7.7	1600	86	49
cis-1,3-Dichloropropylene		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	2.5 U	10 U	2.5 U
n-Butylbenzene		1.4	0.74	3.4	10 U	1 U	3	2.5 U	—	50 U	2.5 U
n-Propylbenzene		3.2	0.7	2.6	10 U	2.6	2	2.5 U	—	50 U	2.5 U
2-Chlorotoluene		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
o-Xylene		1.9	2	1.1	10 U	1.4	4	7.9	—	10 U	2.5 U
4-Chlorotoluene		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
p-Isopropyltoluene		0.5 U	0.5 U	1 U	10 U	1 U	1.6	2.5 U	—	50 U	2.5 U
m,p-Xylenes		3.7	5.4	4.1	10 U	4.9	10	32	—	10 U	2.5 U
sec-Butylbenzene		1	0.5 U	1 U	10 U	1 U	1 U	2.5 U	—	50 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	ECJ-1-37	ECJ-1-35' 1635	ECJ-1-37'
	SDG ID	L0105431	L0109029	L0111394	L0203024	L0206116	L0209411	L0212604	4237	L0102627	L0105697
	Dilution Factor	1	1	2	20	2	2 and 5	5	5	20	1
	Sample Date	06/14/01	09/26/01	12/04/01	03/28/02	06/20/02	09/17/02	12/12/02	12/19/99	03/24/01	06/22/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	1.5 U	15 U	1.5 U	1.5 U	3.8 U	8.8	15 U	3.8 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	1 U	10 U	1 U	1 U	2.5 U	2.5 U	10 U	2.5 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 U	5 U	50 U	5 U	5 U	12 U	—	50 U	12 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-37'	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-62	ECJ-1-60' 1520	ECJ-1-62'	ECJ-1-62
	SDG ID	L0108767	L0111395	L0202990	L0206031	L0209411	L0212377	4237	L0102627	L0105697	L0108729
	Dilution Factor	5	5	1	1	1	1	1	100	10	40
	Sample Date	09/19/01	12/04/01	03/28/02	06/18/02	09/16/02	12/04/02	12/18/99	03/24/01	06/22/01	09/19/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	250 U	50 U	20 U
1,1,1-Trichloroethane		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	50 U	50 U	20 U
1,1,2,2-Tetrachloroethane		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	50 U	50 U	20 UJ
1,1,2-Trichloroethane		3.8 U	3.8 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	75 U	75 U	30 U
1,1-Dichloroethane		3.8 U	3.8 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	75 U	75 U	30 U
1,1-Dichloroethene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	86 J	75 U	50 U	20 U
1,1-Dichloropropene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
1,2,3-Trichlorobenzene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
1,2,3-Trichloropropane		25 U	25 U	5 U	5 U	5 U	5 U	—	500 U	500 U	200 U
1,2,4-Trichlorobenzene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
Benzene, 1,2,4-trimethyl		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
Dibromochloropropane		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
1,2-Dibromoethane (EDB)		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
1,2-Dichlorobenzene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
1,2-Dichloroethane		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	7.4	50 U	50 U	20 U
1,2-Dichloropropane		8.8 U	8.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.50 U	180 U	180 U	70 U
Benzene, 1,3,5-trimethyl-		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
1,3-Dichlorobenzene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
1,3-Dichloropropane		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
1,4-Dichlorobenzene		12 U	12 U	2.5 U	2.5 U	2.6	2.5 U	—	250 U	250 U	100 U
1,4-Dichlorobutane		25 U	25 U	5 U	5 U	5 U	5 U	—	500 U	500 U	200 U
2,2-Dichloropropane		12 U	12 U	2.5 U	—	2.5 U	2.5 U	—	250 U	250 U	100 U
2-Butanone (MEK)		25 U	25 U	5 U	5 U	5 U	5 U	10 U	500 U	500 U	200 U
2-Hexanone		25 U	25 UJ	5 U	5 U	5 U	5 U	5.0 U	500 U	500 U	200 U
4-Methyl-2-pentanone (MIBK)		25 U	25 UJ	5 U	5 U	5 U	5 U	5.0 U	500 U	500 U	200 U
Acetone		25 U	25 U	5 U	5 U	5 U	5 U	10 U	500 UJ	500 U	200 U
Acrolein		62 U	62 UJ	12 U	12 U	12 U	12 UJ	—	1200 U	1200 U	500 U
Acrylonitrile		25 U	25 U	5 U	5 U	5 U	5 U	—	500 U	500 U	200 U
Benzene		2.5 U	2.5 U	1.6	1.1	3.6	1.5	96 J	50 U	50 U	20 U
Bromobenzene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
Bromochloromethane		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
Bromodichloromethane		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	50 U	50 U	20 U
Bromoform		2.5 U	2.5 U	0.5 U	0.5 U	2 U	2 U	0.50 U	50 U	50 U	20 U
Bromomethane		5 UJ	5 U	1 U	1 U	1 U	1 UJ	1.0 U	100 UJ	100 U	40 U
Carbon disulfide		25 U	25 U	5 U	5 U	5 U	5 U	0.50 U	500 U	500 U	200 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-37'	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-62	ECJ-1-60' 1520	ECJ-1-62'	ECJ-1-62
	SDG ID	L0108767	L0111395	L0202990	L0206031	L0209411	L0212377	4237	L0102627	L0105697	L0108729
	Dilution Factor	5	5	1	1	1	1	1	100	10	40
	Sample Date	09/19/01	12/04/01	03/28/02	06/18/02	09/16/02	12/04/02	12/18/99	03/24/01	06/22/01	09/19/01
	Units	ug/L	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	WATER
Carbon tetrachloride		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	50 U	50 U	20 U
Chlorobenzene		2.5 U	5	7.9	3.3	5.9	4	7.6	180 U	50 U	20 U
Chloroethane		5 U	5 U	1 U	1 U	1 U	1 U	1.0 UJ	100 U	100 U	40 U
Chloroform		3.8 U	3.8 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	75 U	75 U	30 U
Chloromethane		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	500 U	250 U	100 U
Dibromochloromethane		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	50 U	50 U	20 U
Dibromomethane		25 U	25 U	5 U	5 U	5 U	5 U	—	500 U	500 U	200 U
Dichlorodifluoromethane		25 U	25 U	5 U	5 U	5 U	5 U	—	500 U	500 U	200 U
Diethyl ether		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	1200 U	250 U	100 U
Ethyl methacrylate		25 U	25 U	5 U	5 U	5 U	5 U	—	500 U	500 U	200 U
Ethylbenzene		2.5 U	2.5 U	1.2	1.3	17	3.9	260 J	50 U	50 U	20 U
Hexachlorobutadiene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
Methyl iodide		25 UJ	25 U	5 U	5 U	5 U	5 UJ	—	500 UJ	500 U	200 UJ
Isopropylbenzene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	250 U	50 U	20 U
Methyl tert butyl ether		5 U	5 U	1 U	1 U	1 U	1 U	—	200 U	100 U	40 U
Methylene chloride		25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.0 U	250 U	500 U	200 U
Naphthalene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
Styrene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9	50 U	50 U	20 U
Tetrachloroethene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	50 U	50 U	20 U
Tetrahydrofuran		50 U	50 U	10 U	10 U	16	11	—	1000 U	1000 U	400 U
Toluene		3.8 U	3.8 U	1.2	1.5	14	2.9	120 J	75 U	75 U	30 U
Trichloroethene		2.5 U	2.5 U	0.5 U	1	0.5 U	0.5 U	9.2	50 U	50 U	20 U
Trichlorofluoromethane		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
Vinyl acetate		25 U	25 U	5 U	5 U	5 U	5 U	—	500 U	500 U	200 U
Vinyl chloride		20	13	17	18	1.2	4.5	15000	1600	1200	880
cis-1,2-Dichloroethene		63	46	34	27	1.8	9.6	57000	7700	4100	2300 J
cis-1,3-Dichloropropylene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	50 U	50 U	20 U
n-Butylbenzene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	250 U	50 U	20 U
n-Propylbenzene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	250 U	50 U	20 U
2-Chlorotoluene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
o-Xylene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	50 U	50 U	20 U
4-Chlorotoluene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
p-Isopropyltoluene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	250 U	50 U	20 U
m,p-Xylenes		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	50 U	50 U	20 U
sec-Butylbenzene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	250 U	50 U	20 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-37'	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-62	ECJ-1-60' 1520	ECJ-1-62'	ECJ-1-62
	SDG ID	L0108767	L0111395	L0202990	L0206031	L0209411	L0212377	4237	L0102627	L0105697	L0108729
	Dilution Factor	5	5	1	1	1	1	1	100	10	40
	Sample Date	09/19/01	12/04/01	03/28/02	06/18/02	09/16/02	12/04/02	12/18/99	03/24/01	06/22/01	09/19/01
	Units	ug/L	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	WATER
tert-Butylbenzene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	250 U	250 U	100 U
trans-1,2-Dichloroethene		3.8 U	3.8 U	1.3	0.75 U	0.75 U	0.75 U	340 J	110	83	30 U
trans-1,3-Dichloropropene		2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	50 U	50 U	20 U
trans-1,4-Dichloro-2-butene		12 U	12 U	2.5 U	2.5 U	2.5 U	2.5 UJ	—	250 U	250 U	100 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-72	ECJ-1-70' 1500	ECJ-1-72'	ECJ-1-72	ECJ-1-72
	SDG ID	L0111395	L0202990	L0206031	L0209411	L0212377	4237	L0102625	L0105697	L0108729	L0111395
	Dilution Factor	50	10	10	20	20	2000	400	400	500	500
	Sample Date	12/04/01	03/28/02	06/18/02	09/16/02	12/04/02	12/18/99	03/24/01	06/22/01	09/19/01	12/04/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		25 U	5 U	5 U	10 U	10 U	—	1000 U	200 U	250 U	250 U
1,1,1-Trichloroethane		25 U	5 U	5 U	10 U	10 U	0.50 U	200 U	200 U	250 U	250 U
1,1,2,2-Tetrachloroethane		25 U	5 U	5 U	10 U	10 U	0.50 U	200 U	200 U	250 UJ	250 U
1,1,2-Trichloroethane		38 U	7.5 U	7.5 U	15 U	15 U	43	300 U	300 U	380 U	380 U
1,1-Dichloroethane		38 U	7.5 U	7.5 U	15 U	15 U	0.50 U	300 U	300 U	380 U	380 U
1,1-Dichloroethene		25 U	5 U	5 U	10 U	10 U	480 J	300 U	200 U	250 U	250 U
1,1-Dichloropropene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
1,2,3-Trichlorobenzene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
1,2,3-Trichloropropane		250 U	50 U	50 U	100 U	100 U	—	2000 U	2000 U	2500 U	2500 U
1,2,4-Trichlorobenzene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
Benzene, 1,2,4-trimethyl		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
Dibromochloropropane		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
1,2-Dibromoethane (EDB)		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
1,2-Dichlorobenzene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
1,2-Dichloroethane		25 U	5 U	5 U	10 U	10 U	15	200 U	200 U	250 U	250 U
1,2-Dichloropropane		88 U	18 U	18 U	35 U	35 U	0.50 U	700 U	700 U	880 U	880 U
Benzene, 1,3,5-trimethyl-		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
1,3-Dichlorobenzene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
1,3-Dichloropropane		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
1,4-Dichlorobenzene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
1,4-Dichlorobutane		250 U	50 U	50 U	100 U	100 U	—	2000 U	2000 U	2500 U	2500 U
2,2-Dichloropropane		120 U	25 U	—	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
2-Butanone (MEK)		250 U	50 U	50 U	100 U	100 U	10 U	2000 U	2000 U	2500 U	2500 U
2-Hexanone		250 UJ	50 U	50 U	100 U	100 U	5.0 U	2000 U	2000 U	2500 U	2500 UJ
4-Methyl-2-pentanone (MIBK)		250 UJ	50 U	50 U	100 U	100 U	5.0 U	2000 U	2000 U	2500 U	2500 UJ
Acetone		250 U	50 U	50 U	100 U	100 U	10 U	2000 UJ	2000 U	2500 U	2500 U
Acrolein		620 UJ	120 U	120 U	250 U	250 UJ	—	5000 U	5000 U	6200 U	6200 UJ
Acrylonitrile		250 U	50 U	50 U	100 U	100 U	—	2000 U	2000 U	2500 U	2500 U
Benzene		25 U	5 U	9.1	10 U	10 U	140 J	200 U	200 U	250 U	250 U
Bromobenzene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
Bromochloromethane		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
Bromodichloromethane		25 U	5 U	5 U	10 U	10 U	0.50 U	200 U	200 U	250 U	250 U
Bromoform		25 U	5 U	5 U	40 U	40 U	0.50 U	200 U	200 U	250 U	250 U
Bromomethane		50 U	10 U	10 U	20 U	20 UJ	1.0 U	400 UJ	400 U	500 U	500 U
Carbon disulfide		250 U	50 U	50 U	100 U	100 U	0.50 U	2000 U	2000 U	2500 U	2500 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-72	ECJ-1-70' 1500	ECJ-1-72'	ECJ-1-72	ECJ-1-72
	SDG ID	L0111395	L0202990	L0206031	L0209411	L0212377	4237	L0102625	L0105697	L0108729	L0111395
	Dilution Factor	50	10	10	20	20	2000	400	400	500	500
	Sample Date	12/04/01	03/28/02	06/18/02	09/16/02	12/04/02	12/18/99	03/24/01	06/22/01	09/19/01	12/04/01
	Units	ug/L	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	WATER
Carbon tetrachloride		25 U	5 U	5 U	10 U	10 U	0.50 U	200 U	200 U	250 U	250 U
Chlorobenzene		25 U	7 J	8.8	10 U	10 U	2.2	700 U	200 U	250 U	250 U
Chloroethane		50 U	10 U	10 U	20 U	20 U	1.0 UJ	400 U	400 U	500 U	500 U
Chloroform		38 U	7.5 U	7.5 U	15 U	15 U	0.50 U	300 U	300 U	380 U	380 U
Chloromethane		120 U	25 U	25 U	50 U	50 U	1.0 U	2000 U	1000 U	1200 U	1200 U
Dibromochloromethane		25 U	5 U	5 U	10 U	10 U	0.50 U	200 U	200 U	250 U	250 U
Dibromomethane		250 U	50 U	50 U	100 U	100 U	—	2000 U	2000 U	2500 U	2500 U
Dichlorodifluoromethane		250 U	50 U	50 U	100 U	100 U	—	2000 U	2000 U	2500 U	2500 U
Diethyl ether		120 U	25 U	25 U	50 U	50 U	—	5000 U	1000 U	1200 U	1200 U
Ethyl methacrylate		250 U	50 U	50 U	100 U	100 U	—	2000 U	2000 U	2500 U	2500 U
Ethylbenzene		25 U	5 U	5.4	10 U	10 U	1900	680	790	930	770
Hexachlorobutadiene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
Methyl iodide		250 U	50 U	50 U	100 U	100 UJ	—	2000 UJ	2000 U	2500 UJ	2500 U
Isopropylbenzene		25 U	5 U	5 U	10 U	10 U	—	1000 U	200 U	250 U	250 U
Methyl tert butyl ether		50 U	10 U	10 U	20 U	20 U	—	800 U	400 U	500 U	500 U
Methylene chloride		250 U	25 U	25 U	50 U	50 U	2.0 U	1000 U	2000 U	2500 U	2500 U
Naphthalene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
Styrene		25 U	5 U	5 U	10 U	10 U	1.8	200 U	200 U	250 U	250 U
Tetrachloroethene		25 U	5 U	5 U	10 U	10 U	3.1	200 U	200 U	250 U	250 U
Tetrahydrofuran		500 U	100 U	100 U	300	200 U	—	4000 U	4000 U	5000 U	5000 U
Toluene		38 U	7.5 U	7.5 U	15 U	15 U	360 J	300 U	360	400	380 U
Trichloroethene		25 U	5 U	5 U	10 U	10 U	19000	200 U	200 U	250 U	250 U
Trichlorofluoromethane		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
Vinyl acetate		250 U	50 U	50 U	100 U	100 U	—	2000 U	2000 U	2500 U	2500 U
Vinyl chloride		460	650 J	1000	560	360	2700	5100	8900	11000	10000
cis-1,2-Dichloroethene		1400	500 J	980	920	700	120000	21000	27000	26000	31000
cis-1,3-Dichloropropylene		25 U	5 U	5 U	10 U	10 U	0.50 U	200 U	200 U	250 U	250 U
n-Butylbenzene		25 U	5 U	5 U	10 U	10 U	—	1000 U	200 U	250 U	250 U
n-Propylbenzene		25 U	5 U	5 U	10 U	10 U	—	1000 U	200 U	250 U	250 U
2-Chlorotoluene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
o-Xylene		25 U	5 U	5 U	10 U	10 U	—	200 U	200 U	250 U	250 U
4-Chlorotoluene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
p-Isopropyltoluene		25 U	5 U	5 U	10 U	10 U	—	1000 U	200 U	250 U	250 U
m,p-Xylenes		25 U	5 U	5 U	10 U	10 U	—	200 U	200 U	250 U	250 U
sec-Butylbenzene		25 U	5 U	5 U	10 U	10 U	—	1000 U	200 U	250 U	250 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-72	ECJ-1-70' 1500	ECJ-1-72'	ECJ-1-72	ECJ-1-72
	SDG ID	L0111395	L0202990	L0206031	L0209411	L0212377	4237	L0102625	L0105697	L0108729	L0111395
	Dilution Factor	50	10	10	20	20	2000	400	400	500	500
	Sample Date	12/04/01	03/28/02	06/18/02	09/16/02	12/04/02	12/18/99	03/24/01	06/22/01	09/19/01	12/04/01
	Units	ug/L	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	WATER
tert-Butylbenzene		120 U	25 U	25 U	50 U	50 U	—	1000 U	1000 U	1200 U	1200 U
trans-1,2-Dichloroethene		38 U	7.5 J	14	25	15 U	620 J	300 U	300 U	380 U	380 U
trans-1,3-Dichloropropene		25 U	5 U	5 U	10 U	10 U	0.50 U	200 U	200 U	250 U	250 U
trans-1,4-Dichloro-2-butene		120 U	25 U	25 U	50 U	50 UJ	—	1000 U	1000 U	1200 U	1200 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-122	ECJ-1-120' 1100	ECJ-1-122'	ECJ-1-122	ECJ-1-122	ECJ-1-122
	SDG ID	L0202990	L0206031	L0209411	L0212377	4237	L0102625	L0105697	L0108729	L0111395	L0202990
	Dilution Factor	500	500	500	500	2000	100	100	100	100	1000
	Sample Date	03/28/02	06/19/02	09/16/02	12/04/02	12/18/99	03/24/01	06/21/01	09/19/01	12/04/01	03/28/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		250 U	250 U	250 U	250 U	—	250 U	50 U	50 U	50 U	500 U
1,1,1-Trichloroethane		250 U	250 U	250 U	250 U	0.50 U	50 U	50 U	50 U	50 U	500 U
1,1,2,2-Tetrachloroethane		250 U	250 U	250 U	250 U	0.50 U	50 U	50 U	50 U	50 U	500 U
1,1,2-Trichloroethane		380 U	380 U	380 U	380 U	0.50 U	75 U	75 U	75 U	75 U	750 U
1,1-Dichloroethane		380 U	380 U	380 U	380 U	0.50 U	75 U	75 U	75 U	75 U	750 U
1,1-Dichloroethene		250 U	250 U	250 U	250 U	170 J	75 U	50 U	50 U	50 U	500 U
1,1-Dichloropropene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
1,2,3-Trichlorobenzene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
1,2,3-Trichloropropane		2500 U	2500 U	2500 U	2500 U	—	500 U	500 U	500 U	500 U	5000 U
1,2,4-Trichlorobenzene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
Benzene, 1,2,4-trimethyl		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
Dibromochloropropane		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
1,2-Dibromoethane (EDB)		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
1,2-Dichlorobenzene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
1,2-Dichloroethane		250 U	250 U	250 U	250 U	11	50 U	50 U	50 U	50 U	500 U
1,2-Dichloropropane		880 U	880 U	880 U	880 U	0.50 U	180 U	180 U	180 U	180 U	1800 U
Benzene, 1,3,5-trimethyl-		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
1,3-Dichlorobenzene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
1,3-Dichloropropane		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
1,4-Dichlorobenzene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
1,4-Dichlorobutane		2500 U	2500 U	2500 U	2500 U	—	500 U	500 U	500 U	500 U	5000 U
2,2-Dichloropropane		1200 U	—	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
2-Butanone (MEK)		2500 U	2500 U	2500 U	2500 U	10 U	500 U	500 U	500 U	500 U	5000 U
2-Hexanone		2500 U	2500 U	2500 U	2500 U	5.0 U	500 U	500 U	500 U	500 UJ	5000 U
4-Methyl-2-pentanone (MIBK)		2500 U	2500 U	2500 U	2500 U	5.0 U	500 U	500 U	500 U	500 UJ	5000 U
Acetone		2500 U	2500 U	2500 U	2500 U	10 U	500 UJ	500 U	500 U	500 U	5000 U
Acrolein		6200 U	6200 U	6200 U	6200 UJ	—	1200 U	1200 U	1200 U	1200 UJ	12000 U
Acrylonitrile		2500 U	2500 U	2500 U	2500 U	—	500 U	500 U	500 U	500 U	5000 U
Benzene		250 U	250 U	250 U	250 U	150 J	290	400	310	160	500 U
Bromobenzene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
Bromochloromethane		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
Bromodichloromethane		250 U	250 U	250 U	250 U	0.50 U	50 U	50 U	50 U	50 U	500 U
Bromoform		250 U	250 U	1000 U	1000 U	0.50 U	50 U	50 U	50 U	50 U	500 U
Bromomethane		500 U	500 U	500 U	500 UJ	1.0 U	100 UJ	100 U	100 U	100 U	1000 U
Carbon disulfide		2500 U	2500 U	2500 U	2500 U	0.50 U	500 U	500 U	500 U	500 U	5000 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-122	ECJ-1-120' 1100	ECJ-1-122'	ECJ-1-122	ECJ-1-122	ECJ-1-122
	SDG ID	L0202990	L0206031	L0209411	L0212377	4237	L0102625	L0105697	L0108729	L0111395	L0202990
	Dilution Factor	500	500	500	500	2000	100	100	100	100	1000
	Sample Date	03/28/02	06/19/02	09/16/02	12/04/02	12/18/99	03/24/01	06/21/01	09/19/01	12/04/01	03/28/02
	Units	ug/L	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	WATER
Carbon tetrachloride		250 U	250 U	250 U	250 U	0.50 U	50 U	50 U	50 U	50 U	500 U
Chlorobenzene		250 U	250 U	250 U	250 U	2.6	180 U	180	160	93	500 U
Chloroethane		500 U	500 U	500 U	500 U	1.0 UJ	100 U	100 U	100 U	100 U	1000 U
Chloroform		380 U	380 U	380 U	380 U	0.50 U	75 U	75 U	75 U	75 U	750 U
Chloromethane		1200 U	1200 U	1200 U	1200 U	1.0 U	500 U	250 U	250 U	250 U	2500 U
Dibromochloromethane		250 U	250 U	250 U	250 U	0.50 U	50 U	50 U	50 U	50 U	500 U
Dibromomethane		2500 U	2500 U	2500 U	2500 U	—	500 U	500 U	500 U	500 U	5000 U
Dichlorodifluoromethane		2500 U	2500 U	2500 U	2500 U	—	500 U	500 U	500 U	500 U	5000 U
Diethyl ether		1200 U	1200 U	1200 U	1200 U	—	1200 U	250 U	250 U	250 U	2500 U
Ethyl methacrylate		2500 U	2500 U	2500 U	2500 U	—	500 U	500 U	500 U	500 U	5000 U
Ethylbenzene		1300	1100	380	650	2000	450	830	480	150	1300
Hexachlorobutadiene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
Methyl iodide		2500 U	2500 U	2500 U	2500 UJ	—	500 UJ	500 U	500 U	500 U	5000 U
Isopropylbenzene		250 U	250 U	250 U	250 U	—	250 U	50 U	50 U	50 U	500 U
Methyl tert butyl ether		500 U	500 U	500 U	500 U	—	200 U	100 U	100 U	100 U	1000 U
Methylene chloride		1200 U	1200 U	1200 U	1200 U	2.0 U	250 U	500 U	500 U	500 U	2500 U
Naphthalene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
Styrene		250 U	250 U	250 U	250 U	0.91	50 U	50 U	50 U	50 U	500 U
Tetrachloroethene		250 U	250 U	250 U	250 U	0.50 U	50 U	50 U	50 U	50 U	500 U
Tetrahydrofuran		5000 U	5000 U	5000 U	5000 U	—	1000 U	1000 U	1000 U	1000 U	10000 U
Toluene		600	590	550	380 U	1100	92	110	90	75 U	1400
Trichloroethene		250 U	250 U	250 U	250 U	11	50 U	50 U	140	3200	500 U
Trichlorofluoromethane		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
Vinyl acetate		2500 U	2500 U	2500 U	2500 U	—	500 U	500 U	500 U	500 U	5000 U
Vinyl chloride		20000	19000	18000	8900	6100	1200	3200	690	560	2700
cis-1,2-Dichloroethene		45000	40000	37000	24000	62000	6500	3500	4800	9100	37000
cis-1,3-Dichloropropylene		250 U	250 U	250 U	250 U	0.50 U	50 U	50 U	50 U	50 U	500 U
n-Butylbenzene		250 U	250 U	250 U	250 U	—	250 U	50 U	50 U	50 U	500 U
n-Propylbenzene		250 U	250 U	250 U	250 U	—	250 U	50 U	50 U	50 U	500 U
2-Chlorotoluene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
o-Xylene		250 U	250 U	250 U	250 U	—	50 U	50 U	50 U	50 U	500 U
4-Chlorotoluene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
p-Isopropyltoluene		250 U	250 U	250 U	250 U	—	250 U	50 U	50 U	50 U	500 U
m,p-Xylenes		250 U	250 U	250 U	250 U	—	50 U	50 U	50 U	50 U	500 U
sec-Butylbenzene		250 U	250 U	250 U	250 U	—	250 U	50 U	50 U	50 U	500 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-122	ECJ-1-120' 1100	ECJ-1-122'	ECJ-1-122	ECJ-1-122	ECJ-1-122
	SDG ID	L0202990	L0206031	L0209411	L0212377	4237	L0102625	L0105697	L0108729	L0111395	L0202990
	Dilution Factor	500	500	500	500	2000	100	100	100	100	1000
	Sample Date	03/28/02	06/19/02	09/16/02	12/04/02	12/18/99	03/24/01	06/21/01	09/19/01	12/04/01	03/28/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		1200 U	1200 U	1200 U	1200 U	—	250 U	250 U	250 U	250 U	2500 U
trans-1,2-Dichloroethene		380 U	380 U	780	380 U	320 J	75 U	75 U	75 U	75 U	750 U
trans-1,3-Dichloropropene		250 U	250 U	250 U	250 U	0.50 U	50 U	50 U	50 U	50 U	500 U
trans-1,4-Dichloro-2-butene		1200 U	1200 U	1200 U	1200 UJ	—	250 U	250 U	250 U	250 U	2500 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-148	ECJ-1-145' 0930	ECJ-1-148'	ECJ-1-146	ECJ-1-148	ECJ-1-148	ECJ-1-148
	SDG ID	L0206031	L0209411	L0212377	4237	L0102625	L0105697	L0108729	L0111395	L0202990	L0206031
	Dilution Factor	100	100 and 40	100	1000	1000	1000	400	400	400	400
	Sample Date	06/19/02	09/16/02	12/03/02	12/17/99	03/24/01	06/21/01	09/19/01	12/04/01	03/28/02	06/19/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		50 U	50 U	50 U	—	2500 U	500 U	200 U	200 U	200 U	200 U
1,1,1-Trichloroethane		50 U	50 U	50 U	0.50 U	500 U	500 U	200 U	200 U	200 U	200 U
1,1,2,2-Tetrachloroethane		50 U	50 U	50 U	0.50 U	500 U	500 U	200 UJ	200 U	200 U	200 U
1,1,2-Trichloroethane		75 U	75 U	75 U	0.22 J	750 U	750 U	300 U	300 U	300 U	300 U
1,1-Dichloroethane		75 U	75 U	75 U	0.50 U	750 U	750 U	300 U	300 U	300 U	300 U
1,1-Dichloroethene		50 U	54	50 U	110 J	750 U	500 U	200 U	200 U	200 U	200 U
1,1-Dichloropropene		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichlorobenzene		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
1,2,3-Trichloropropane		500 U	500 U	500 U	—	5000 U	5000 U	2000 U	2000 U	2000 U	2000 U
1,2,4-Trichlorobenzene		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
Benzene, 1,2,4-trimethyl		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
Dibromochloropropane		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
1,2-Dibromoethane (EDB)		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
1,2-Dichlorobenzene		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
1,2-Dichloroethane		50 U	50 U	50 U	2.8	500 U	500 U	200 U	200 U	200 U	200 U
1,2-Dichloropropane		180 U	180 U	180 U	0.50 U	1800 U	1800 U	700 U	700 U	700 U	700 U
Benzene, 1,3,5-trimethyl-		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
1,3-Dichlorobenzene		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
1,3-Dichloropropane		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
1,4-Dichlorobenzene		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
1,4-Dichlorobutane		500 U	500 U	500 U	—	5000 U	5000 U	2000 U	2000 U	2000 U	2000 U
2,2-Dichloropropane		—	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	—
2-Butanone (MEK)		500 U	500 U	500 U	10 U	5000 UJ	5000 U	2000 U	2000 U	2000 U	2000 U
2-Hexanone		500 U	500 U	500 UJ	5.0 U	5000 U	5000 U	2000 U	2000 UJ	2000 U	2000 U
4-Methyl-2-pentanone (MIBK)		500 U	500 U	500 U	5.0 U	5000 U	5000 U	2000 U	2000 UJ	2000 U	2000 U
Acetone		500 U	500 U	500 U	10 U	5000 U	5000 U	2000 U	2000 U	2000 U	2000 U
Acrolein		1200 U	1200 U	1200 UJ	—	12000 U	12000 U	5000 U	5000 UJ	5000 U	5000 U
Acrylonitrile		500 U	500 U	500 U	—	5000 U	5000 U	2000 U	2000 U	2000 U	2000 U
Benzene		380	310	450	45	500 U	500 U	200 U	200 U	200 U	330
Bromobenzene		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
Bromochloromethane		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
Bromodichloromethane		50 U	50 U	50 U	0.50 U	500 U	500 U	200 U	200 U	200 U	200 U
Bromoform		50 U	200 U	200 U	0.50 U	500 U	500 U	200 U	200 U	200 U	200 U
Bromomethane		100 U	100 U	100 UJ	1.0 U	1000 UJ	1000 U	400 U	400 U	400 U	400 U
Carbon disulfide		500 U	500 U	500 U	0.50 U	5000 U	5000 U	2000 U	2000 U	2000 U	2000 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-148	ECJ-1-145' 0930	ECJ-1-148'	ECJ-1-146	ECJ-1-148	ECJ-1-148	ECJ-1-148
	SDG ID	L0206031	L0209411	L0212377	4237	L0102625	L0105697	L0108729	L0111395	L0202990	L0206031
	Dilution Factor	100	100 and 40	100	1000	1000	1000	400	400	400	400
	Sample Date	06/19/02	09/16/02	12/03/02	12/17/99	03/24/01	06/21/01	09/19/01	12/04/01	03/28/02	06/19/02
	Units	ug/L	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	WATER
Carbon tetrachloride		50 U	50 U	50 U	0.50 U	500 U	500 U	200 U	200 U	200 U	200 U
Chlorobenzene		190	120	220	1.6	1800 U	500 U	200 U	200 U	200 U	200 U
Chloroethane		100 U	100 U	100 U	1.0 UJ	1000 U	1000 U	400 U	400 U	400 U	400 U
Chloroform		75 U	75 U	75 U	0.50 U	750 U	750 U	300 U	300 U	300 U	300 U
Chloromethane		250 U	250 U	250 U	1.0 U	5000 U	2500 U	1000 U	1000 U	1000 U	1000 U
Dibromochloromethane		50 U	50 U	50 U	0.50 U	500 U	500 U	200 U	200 U	200 U	200 U
Dibromomethane		500 U	500 U	500 U	—	5000 U	5000 U	2000 U	2000 U	2000 U	2000 U
Dichlorodifluoromethane		500 U	500 U	500 U	—	5000 U	5000 U	2000 U	2000 U	2000 U	2000 U
Diethyl ether		250 U	250 U	250 U	—	12000 U	2500 U	1000 U	1000 U	1000 U	1000 U
Ethyl methacrylate		500 U	500 U	500 U	—	5000 U	5000 U	2000 U	2000 U	2000 U	2000 U
Ethylbenzene		490	1000	510	1500	3200	4100	400	550	2100	1700
Hexachlorobutadiene		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
Methyl iodide		500 U	500 U	500 UJ	—	5000 U	5000 U	2000 UJ	2000 U	2000 U	2000 U
Isopropylbenzene		50 U	50 U	50 U	—	2500 U	500 U	200 U	200 U	200 U	200 U
Methyl tert butyl ether		100 U	100 U	100 U	—	2000 U	1000 U	400 U	400 U	400 U	400 U
Methylene chloride		250 U	250 U	250 U	2.0 U	2500 U	5000 U	2000 U	2000 U	1000 U	1000 U
Naphthalene		250 U	290	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
Styrene		50 U	50 U	50 U	0.50 U	500 U	500 U	200 U	200 U	200 U	200 U
Tetrachloroethene		50 U	50 U	50 U	0.50 U	500 U	500 U	200 U	200 U	200 U	200 U
Tetrahydrofuran		1000 U	1000 U	1000 U	—	10000 U	10000 U	4000 U	4000 U	4000 U	4000 U
Toluene		95	540	77	110 J	2700	3900	430	300 U	350	1000
Trichloroethene		50 U	50 U	180	3.6	500 U	500 U	820	1000	200 U	460
Trichlorofluoromethane		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
Vinyl acetate		500 U	500 U	500 U	—	5000 U	5000 U	2000 U	2000 U	2000 U	2000 U
Vinyl chloride		1000	2600	1600	3400	4700	6500	620	970	6100	2900
cis-1,2-Dichloroethene		6000	28000	7900	31000	64000	88000	14000	16000	41000	30000
cis-1,3-Dichloropropylene		50 U	50 U	50 U	0.50 U	500 U	500 U	200 U	200 U	200 U	200 U
n-Butylbenzene		50 U	50 U	50 U	—	2500 U	500 U	200 U	200 U	200 U	200 U
n-Propylbenzene		50 U	50 U	50 U	—	2500 U	500 U	200 U	200 U	200 U	200 U
2-Chlorotoluene		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
o-Xylene		50 U	50 U	50 U	—	500 U	500 U	200 U	200 U	200 U	200 U
4-Chlorotoluene		250 U	250 U	250 U	—	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
p-Isopropyltoluene		50 U	50 U	50 U	—	2500 U	500 U	200 U	200 U	200 U	200 U
m,p-Xylenes		50 U	50 U	50 U	—	500 U	500 U	200 U	200 U	200 U	200 U
sec-Butylbenzene		50 U	50 U	50 U	—	2500 U	500 U	200 U	200 U	200 U	200 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-148	ECJ-1-145' 0930	ECJ-1-148'	ECJ-1-146	ECJ-1-148	ECJ-1-148	ECJ-1-148
	SDG ID	L0206031	L0209411	L0212377	4237	L0102625	L0105697	L0108729	L0111395	L0202990	L0206031
	Dilution Factor	100	100 and 40	100	1000	1000	1000	400	400	400	400
	Sample Date	06/19/02	09/16/02	12/03/02	12/17/99	03/24/01	06/21/01	09/19/01	12/04/01	03/28/02	06/19/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		250 U	250 U	250 U	---	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U
trans-1,2-Dichloroethene		75 U	75 U	75 U	290 J	750 U	2100	300 U	300 U	300 U	300 U
trans-1,3-Dichloropropene		50 U	50 U	50 U	0.50 U	500 U	500 U	200 U	200 U	200 U	200 U
trans-1,4-Dichloro-2-butene		250 U	250 U	250 UJ	---	2500 U	2500 U	1000 U	1000 U	1000 U	1000 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-148	ECJ-1-148	ECJ-1-267	ECJ-1-265' 1350	ECJ-1-267'	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2-47' 0910
	SDG ID	L0209411	L0212246	4237	L0102597	L0105697	L0108729	L0111344	L0212246	4345	L0102765
	Dilution Factor	500 and 10	1000	10	2	5	1	1	1	100	40
	Sample Date	09/16/02	12/03/02	12/17/99	03/23/01	06/21/01	09/19/01	12/03/01	12/03/02	01/03/00	03/29/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		250 U	500 U	—	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	—	100 U
1,1,1-Trichloroethane		250 U	500 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	20 U
1,1,2,2-Tetrachloroethane		250 U	500 U	0.50 U	1.0 U	0.5 U	0.5 UJ	0.5 U	0.5 U	50 U	20 U
1,1,2-Trichloroethane		380 U	750 U	0.50 U	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	50 U	30 U
1,1-Dichloroethane		380 U	750 U	0.33 J	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	50 U	30 U
1,1-Dichloroethene		250 U	500 U	0.1 J	1.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	30 U
1,1-Dichloropropene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
1,2,3-Trichlorobenzene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
1,2,3-Trichloropropane		2500 U	5000 U	—	10 U	5 U	5 U	5 U	5 U	—	200 U
1,2,4-Trichlorobenzene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
Benzene, 1,2,4-trimethyl		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
Dibromochloropropane		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
1,2-Dibromoethane (EDB)		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
1,2-Dichlorobenzene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
1,2-Dichloroethane		250 U	500 U	0.1 J	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	20 U
1,2-Dichloropropane		880 U	1800 U	0.50 U	3.5 U	1.8 U	1.8 U	1.8 U	1.8 U	50 U	70 U
Benzene, 1,3,5-trimethyl-		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
1,3-Dichlorobenzene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
1,3-Dichloropropane		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
1,4-Dichlorobenzene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
1,4-Dichlorobutane		2500 U	5000 U	—	10 U	5 U	5 U	5 U	5 U	—	200 U
2,2-Dichloropropane		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
2-Butanone (MEK)		2500 U	5000 U	10 U	10 U	5 U	5 U	5 UJ	5 U	1000 U	200 U
2-Hexanone		2500 U	5000 U	5.0 U	10 U	5 U	5 U	5 U	5 U	500 U	200 U
4-Methyl-2-pentanone (MIBK)		2500 U	5000 U	5.0 U	10 U	5 U	5 U	5 U	5 U	500 U	200 U
Acetone		2500 U	5000 U	10 U	10 UJ	5 U	5 U	5 UJ	5 U	1000 U	200 UJ
Acrolein		6200 U	12000 UJ	—	25 U	12 U	12 U	12 UJ	12 UJ	—	500 U
Acrylonitrile		2500 U	5000 U	—	10 U	5 U	5 U	5 U	5 U	—	200 U
Benzene		350	500 U	4.2	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	20 U
Bromobenzene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
Bromochloromethane		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
Bromodichloromethane		250 U	500 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	20 U
Bromoform		1000 U	2000 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	2 U	50 U	20 U
Bromomethane		500 U	1000 UJ	1.0 U	2.0 UJ	1 U	1 U	1 U	1 UJ	100 U	40 UJ
Carbon disulfide		2500 U	5000 U	0.50 U	10 U	5 U	5 U	5 U	5 U	50 U	200 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-148	ECJ-1-148	ECJ-1-267	ECJ-1-265' 1350	ECJ-1-267'	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2-47' 0910
	SDG ID	L0209411	L0212246	4237	L0102597	L0105697	L0108729	L0111344	L0212246	4345	L0102765
	Dilution Factor	500 and 10	1000	10	2	5	1	1	1	100	40
	Sample Date	09/16/02	12/03/02	12/17/99	03/23/01	06/21/01	09/19/01	12/03/01	12/03/02	01/03/00	03/29/01
	Units	ug/L	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	WATER
Carbon tetrachloride		250 U	500 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	20 U
Chlorobenzene		250 U	500 U	1.0	3.5 U	0.5 U	0.5 U	0.5 U	0.5 U	17 J	70 U
Chloroethane		500 U	1000 U	1.0 UJ	2.0 U	1 U	1 U	1 U	1 U	100 UJ	40 U
Chloroform		380 U	750 U	0.50 U	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	50 U	30 U
Chloromethane		1200 U	2500 U	1.0 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U	200 U
Dibromochloromethane		250 U	500 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	20 U
Dibromomethane		2500 U	5000 U	—	10 U	5 U	5 U	5 U	5 U	—	200 U
Dichlorodifluoromethane		2500 U	5000 U	—	10 U	5 U	5 U	5 U	5 U	—	200 U
Diethyl ether		1200 U	2500 U	—	25 U	2.5 U	2.5 U	2.5 U	2.5 U	—	500 U
Ethyl methacrylate		2500 U	5000 U	—	10 U	5 U	5 U	5 U	5 U	—	200 U
Ethylbenzene		3600	1400	130	2.9	1.2	0.78	0.88	0.97	50 U	20 U
Hexachlorobutadiene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
Methyl iodide		2500 U	5000 UJ	—	10 U	5 U	5 UJ	5 U	5 UJ	—	200 UJ
Isopropylbenzene		250 U	500 U	—	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	—	100 U
Methyl tert butyl ether		500 U	1000 U	—	4.0 U	1 U	1 U	1 U	1 U	—	80 U
Methylene chloride		1200 U	2500 U	2.0 U	5.0 U	5 U	5 U	2.5 U	2.5 U	200 U	100 U
Naphthalene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
Styrene		250 U	500 U	0.11 J	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	20 U
Tetrachloroethene		250 U	500 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	20 U
Tetrahydrofuran		5000 U	10000 U	—	20 U	10 U	10 U	10 U	10 U	—	400 U
Toluene		3200	1000	4.2	2.2	1	1.1	1.2	0.75 U	50 U	30 U
Trichloroethene		250 U	500 U	3.8	33	29	29	40	21	21 J	20 J
Trichlorofluoromethane		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
Vinyl acetate		2500 U	5000 U	—	10 U	5 U	5 U	5 U	5 U	—	200 U
Vinyl chloride		6600	2500	1.1	2.0 U	1.5	1 U	1.4	2.5	180	200
cis-1,2-Dichloroethene		57000	30000	13	12	7.1	6.6	9	15	2300	1700
cis-1,3-Dichloropropylene		250 U	500 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	20 U
n-Butylbenzene		250 U	500 U	—	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	—	100 U
n-Propylbenzene		250 U	500 U	—	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	—	100 U
2-Chlorotoluene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
o-Xylene		250 U	500 U	—	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	—	20 U
4-Chlorotoluene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
p-Isopropyltoluene		250 U	500 U	—	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	—	100 U
m,p-Xylenes		250 U	500 U	—	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	—	20 U
sec-Butylbenzene		250 U	500 U	—	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	—	100 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-148	ECJ-1-148	ECJ-1-267	ECJ-1-265' 1350	ECJ-1-267'	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2-47' 0910
	SDG ID	L0209411	L0212246	4237	L0102597	L0105697	L0108729	L0111344	L0212246	4345	L0102765
	Dilution Factor	500 and 10	1000	10	2	5	1	1	1	100	40
	Sample Date	09/16/02	12/03/02	12/17/99	03/23/01	06/21/01	09/19/01	12/03/01	12/03/02	01/03/00	03/29/01
	Units	ug/L	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	WATER
tert-Butylbenzene		1200 U	2500 U	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U
trans-1,2-Dichloroethene		1000	750 U	1.0	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	15 J	30 U
trans-1,3-Dichloropropene		250 U	500 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	20 U
trans-1,4-Dichloro-2-butene		1200 U	2500 UJ	—	5.0 U	2.5 U	2.5 U	2.5 U	2.5 UJ	—	100 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-47'	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-82	ECJ-2-82' 15:10	ECJ-2-82'
	SDG ID	L0105640	L0108838	L0111491	L0202937	L0205987	L0209411	L0212604	4345	L0102727	L0105640
	Dilution Factor	40	40	40	40	50	40	40	250	200	400
	Sample Date	06/20/01	09/21/01	12/05/01	03/27/02	06/18/02	09/17/02	12/11/02	01/03/00	03/28/01	06/20/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		20 U	20 U	20 U	20 U	25 U	20 U	20 U	—	500 U	200 U
1,1,1-Trichloroethane		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	100 U	200 U
1,1,2,2-Tetrachloroethane		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	100 U	200 U
1,1,2-Trichloroethane		30 U	30 U	30 U	30 U	38 U	30 U	30 U	120 U	150 U	300 U
1,1-Dichloroethane		30 U	30 U	30 U	30 U	38 U	30 U	30 U	120 U	150 U	300 U
1,1-Dichloroethene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	150 U	200 U
1,1-Dichloropropene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
1,2,3-Trichlorobenzene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
1,2,3-Trichloropropane		200 U	200 U	200 U	200 U	250 U	200 U	200 U	—	1000 U	2000 U
1,2,4-Trichlorobenzene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
Benzene, 1,2,4-trimethyl		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
Dibromochloropropane		100 U	100 U	100 U	100 U	120 U	100 U	100 UJ	—	500 U	1000 U
1,2-Dibromoethane (EDB)		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
1,2-Dichlorobenzene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
1,2-Dichloroethane		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	100 U	200 U
1,2-Dichloropropane		70 U	70 U	70 U	70 U	88 U	70 U	70 U	120 U	350 U	700 U
Benzene, 1,3,5-trimethyl-		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
1,3-Dichlorobenzene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
1,3-Dichloropropane		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
1,4-Dichlorobenzene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
1,4-Dichlorobutane		200 U	200 U	200 U	200 U	250 U	200 U	200 U	—	1000 U	2000 U
2,2-Dichloropropane		100 U	100 U	100 U	100 U	—	100 U	100 U	—	500 U	1000 U
2-Butanone (MEK)		200 U	200 U	200 U	200 U	250 U	200 U	200 UJ	2500 U	1000 U	2000 U
2-Hexanone		200 U	200 UJ	200 U	200 U	250 U	200 U	200 UJ	1200 U	1000 U	2000 U
4-Methyl-2-pentanone (MIBK)		200 U	200 U	200 U	200 U	250 U	200 U	200 U	1200 U	1000 U	2000 U
Acetone		200 U	200 U	200 U	200 U	250 U	200 U	200 UJ	2500 U	1000 U	2000 U
Acrolein		500 U	500 U	500 U	500 U	620 U	500 U	500 U	—	2500 U	5000 U
Acrylonitrile		200 U	200 U	200 U	200 U	250 U	200 U	200 U	—	1000 U	2000 U
Benzene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	80 J	100 U	200 U
Bromobenzene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
Bromochloromethane		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
Bromodichloromethane		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	100 U	200 U
Bromoform		20 U	20 U	20 U	20 U	25 U	80 U	80 U	120 U	100 U	200 U
Bromomethane		40 UJ	40 U	40 U	40 U	50 U	40 U	40 U	250 U	200 UJ	400 UJ
Carbon disulfide		200 U	200 U	200 U	200 U	250 U	200 U	200 UJ	120 U	1000 U	2000 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-47'	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-82	ECJ-2-82' 15:10	ECJ-2-82'
	SDG ID	L0105640	L0108838	L0111491	L0202937	L0205987	L0209411	L0212604	4345	L0102727	L0105640
	Dilution Factor	40	40	40	40	50	40	40	250	200	400
	Sample Date	06/20/01	09/21/01	12/05/01	03/27/02	06/18/02	09/17/02	12/11/02	01/03/00	03/28/01	06/20/01
	Units	ug/L	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	WATER
Carbon tetrachloride		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	100 U	200 U
Chlorobenzene		24	21	21	20 U	25 U	30	20 U	120 U	350 U	200 U
Chloroethane		40 U	40 U	40 U	40 U	50 U	40 U	40 U	250 UJ	200 U	400 U
Chloroform		30 U	30 U	30 U	30 U	38 U	30 U	30 U	120 U	150 U	300 U
Chloromethane		100 U	100 U	100 U	100 U	120 U	100 U	100 U	250 U	1000 U	1000 U
Dibromochloromethane		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	100 U	200 U
Dibromomethane		200 U	200 U	200 U	200 U	250 U	200 U	200 U	—	1000 U	2000 U
Dichlorodifluoromethane		200 U	200 U	200 UJ	200 U	250 U	200 U	200 U	—	1000 U	2000 U
Diethyl ether		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	2500 U	1000 U
Ethyl methacrylate		200 U	200 U	200 U	200 U	250 U	200 U	200 U	—	1000 U	2000 U
Ethylbenzene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	1000 U	710	990
Hexachlorobutadiene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
Methyl iodide		200 UJ	200 U	200 U	200 U	250 U	200 U	200 U	—	1000 U	2000 UJ
Isopropylbenzene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	—	500 U	200 U
Methyl tert butyl ether		40 U	40 U	40 U	40 U	50 U	40 U	40 U	—	400 U	400 U
Methylene chloride		200 U	200 U	100 U	100 U	120 U	100 U	200 U	500 U	500 U	2000 U
Naphthalene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
Styrene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	100 U	200 U
Tetrachloroethene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	100 U	200 U
Tetrahydrofuran		400 U	400 U	400 U	400 U	500 U	400 U	400 U	—	2000 U	4000 U
Toluene		30 U	30 U	30 U	30 U	38 U	30 U	30 U	940	740	1000
Trichloroethene		20 U	20 U	70	20 U	25 U	37	110	120 U	100 U	200 U
Trichlorofluoromethane		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
Vinyl acetate		200 U	200 U	200 UJ	200 U	250 U	200 U	200 U	—	1000 U	2000 U
Vinyl chloride		480	390	280	150	430	1100	860	14000	14000	22000
cis-1,2-Dichloroethene		1700	1100	1800	1000	1700	2000	2000	860	530	200 U
cis-1,3-Dichloropropylene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	100 U	200 U
n-Butylbenzene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	—	500 U	200 U
n-Propylbenzene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	—	500 U	200 U
2-Chlorotoluene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
o-Xylene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	—	100 U	200 U
4-Chlorotoluene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
p-Isopropyltoluene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	—	500 U	200 U
m,p-Xylenes		20 U	20 U	20 U	20 U	25 U	20 U	20 U	—	100 U	200 U
sec-Butylbenzene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	—	500 U	200 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-2-47'	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-82	ECJ-2-82' 15:10	ECJ-2-82'
	SDG ID	L0105640	L0108838	L0111491	L0202937	L0205987	L0209411	L0212604	4345	L0102727	L0105640
	Dilution Factor	40	40	40	40	50	40	40	250	200	400
	Sample Date	06/20/01	09/21/01	12/05/01	03/27/02	06/18/02	09/17/02	12/11/02	01/03/00	03/28/01	06/20/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U
trans-1,2-Dichloroethene		64	30 U	30 U	30 U	38 U	30 U	30 U	62 J	150 U	300 U
trans-1,3-Dichloropropene		20 U	20 U	20 U	20 U	25 U	20 U	20 U	120 U	100 U	200 U
trans-1,4-Dichloro-2-butene		100 U	100 U	100 U	100 U	120 U	100 U	100 U	—	500 U	1000 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-117	ECJ-2-117' 12:25	ECJ-2-117'	ECJ-2-117
	SDG ID	L0108838	L0111491	L0202937	L0205987	L0209411	L0212604	4345	L0102727	L0105640	L0108838
	Dilution Factor	400	400	400	250	500	500	1000	400	400	400
	Sample Date	09/20/01	12/05/01	03/27/02	06/18/02	09/17/02	12/11/02	01/03/00	03/28/01	06/20/01	09/20/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		200 U	200 U	200 U	120 U	250 U	250 U	—	1000 U	200 U	200 U
1,1,1-Trichloroethane		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
1,1,2,2-Tetrachloroethane		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
1,1,2-Trichloroethane		300 U	300 U	300 U	190 U	380 U	380 U	500 U	300 U	300 U	300 U
1,1-Dichloroethane		300 U	300 U	300 U	190 U	380 U	380 U	500 U	300 U	300 U	300 U
1,1-Dichloroethene		200 U	200 U	200 U	120 U	250 U	250 U	500 U	300 U	200 U	200 U
1,1-Dichloropropene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
1,2,3-Trichlorobenzene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
1,2,3-Trichloropropane		2000 U	2000 U	2000 U	1200 U	2500 U	2500 U	—	2000 U	2000 U	2000 U
1,2,4-Trichlorobenzene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
Benzene, 1,2,4-trimethyl		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
Dibromochloropropane		1000 U	1000 U	1000 U	620 U	1200 U	1200 UJ	—	1000 U	1000 U	1000 U
1,2-Dibromoethane (EDB)		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
1,2-Dichlorobenzene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
1,2-Dichloroethane		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
1,2-Dichloropropane		700 U	700 U	700 U	440 U	880 U	880 U	500 U	700 U	700 U	700 U
Benzene, 1,3,5-trimethyl-		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
1,3-Dichlorobenzene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
1,3-Dichloropropane		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
1,4-Dichlorobenzene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
1,4-Dichlorobutane		2000 U	2000 U	2000 U	1200 U	2500 U	2500 U	—	2000 U	2000 U	2000 U
2,2-Dichloropropane		1000 U	1000 U	1000 U	—	1200 U	1200 U	—	1000 U	1000 U	1000 U
2-Butanone (MEK)		2000 U	2000 U	2000 U	1200 U	2500 U	2500 U	10000 U	2000 U	2000 U	2000 U
2-Hexanone		2000 U	2000 UJ	2000 U	1200 U	2500 U	2500 U	5000 U	2000 U	2000 U	2000 U
4-Methyl-2-pentanone (MIBK)		2000 U	2000 UJ	2000 U	1200 U	2500 U	2500 U	5000 U	2000 U	2000 U	2000 U
Acetone		2000 U	2000 U	2000 U	1200 U	2500 U	2500 U	10000 U	2000 UJ	2000 U	2000 U
Acrolein		5000 U	5000 UJ	5000 U	3100 U	6200 U	6200 U	—	5000 U	5000 U	5000 U
Acrylonitrile		2000 U	2000 U	2000 U	1200 U	2500 U	2500 U	—	2000 U	2000 U	2000 U
Benzene		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
Bromobenzene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
Bromochloromethane		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
Bromodichloromethane		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
Bromoform		200 U	200 U	200 U	120 U	1000 U	1000 U	500 U	200 U	200 U	200 U
Bromomethane		400 U	400 U	400 U	250 U	500 U	500 U	1000 U	400 UJ	400 UJ	400 U
Carbon disulfide		2000 U	2000 U	2000 U	1200 U	2500 U	2500 UJ	500 U	2000 U	2000 U	2000 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-117	ECJ-2-117' 12:25	ECJ-2-117'	ECJ-2-117
	SDG ID	L0108838	L0111491	L0202937	L0205987	L0209411	L0212604	4345	L0102727	L0105640	L0108838
	Dilution Factor	400	400	400	250	500	500	1000	400	400	400
	Sample Date	09/20/01	12/05/01	03/27/02	06/18/02	09/17/02	12/11/02	01/03/00	03/28/01	06/20/01	09/20/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Carbon tetrachloride		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
Chlorobenzene		200 U	200 U	200 U	120 U	250 U	250 U	500 U	700 U	200 U	200 U
Chloroethane		400 U	400 U	400 U	250 U	500 U	500 U	1000 UJ	400 U	400 U	400 U
Chloroform		300 U	300 U	300 U	190 U	380 U	380 U	500 U	300 U	300 U	300 U
Chloromethane		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	1000 U	2000 U	1000 U	1000 U
Dibromochloromethane		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
Dibromomethane		2000 U	2000 U	2000 U	1200 U	2500 U	2500 U	—	2000 U	2000 U	2000 U
Dichlorodifluoromethane		2000 U	2000 U	2000 U	1200 U	2500 U	2500 U	—	2000 U	2000 U	2000 U
Diethyl ether		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	5000 U	1000 U	1000 U
Ethyl methacrylate		2000 U	2000 U	2000 U	1200 U	2500 U	2500 U	—	2000 U	2000 U	2000 U
Ethylbenzene		880	880	1000	1500	540	1100	1400	850	1700	1400
Hexachlorobutadiene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
Methyl iodide		2000 U	2000 U	2000 U	1200 U	2500 U	2500 U	—	2000 UJ	2000 UJ	2000 U
Isopropylbenzene		200 U	200 U	200 U	120 U	250 U	250 U	—	1000 U	200 U	200 U
Methyl tert butyl ether		400 U	400 U	400 U	250 U	500 U	500 U	—	800 U	400 U	400 U
Methylene chloride		2000 U	1000 U	1000 U	600 U	1200 U	2500 U	2000 U	1000 U	2000 U	2000 U
Naphthalene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
Styrene		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
Tetrachloroethene		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
Tetrahydrofuran		4000 U	4000 U	4000 U	2500 U	5000 U	5000 U	—	4000 U	4000 U	4000 U
Toluene		860	1000	1100	1400	1300	1100	1600	880	1700	1200
Trichloroethene		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
Trichlorofluoromethane		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
Vinyl acetate		2000 U	2000 U	2000 U	1200 U	2500 U	2500 U	—	2000 U	2000 U	2000 U
Vinyl chloride		14000	16000	21000	24000	21000	19000	8100	18000	21000	11000
cis-1,2-Dichloroethene		200 U	930	370	160	250 U	250 U	44000	10000	26000	24000
cis-1,3-Dichloropropylene		200 U	200 U	200 U	120 U	250 U	250 U	1000 U	200 U	200 U	200 U
n-Butylbenzene		200 U	200 U	200 U	120 U	250 U	250 U	—	1000 U	200 U	200 U
n-Propylbenzene		200 U	200 U	200 U	120 U	250 U	250 U	—	1000 U	200 U	200 U
2-Chlorotoluene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
o-Xylene		200 U	200 U	200 U	120 U	250 U	250 U	—	200 U	200 U	200 U
4-Chlorotoluene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
p-Isopropyltoluene		200 U	200 U	200 U	120 U	250 U	250 U	—	1000 U	200 U	200 U
m,p-Xylenes		200 U	200 U	200 U	120 U	250 U	250 U	—	200 U	200 U	200 U
sec-Butylbenzene		200 U	200 U	200 U	120 U	250 U	250 U	—	1000 U	200 U	200 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-117	ECJ-2-117' 12:25	ECJ-2-117'	ECJ-2-117
	SDG ID	L0108838	L0111491	L0202937	L0205987	L0209411	L0212604	4345	L0102727	L0105640	L0108838
	Dilution Factor	400	400	400	250	500	500	1000	400	400	400
	Sample Date	09/20/01	12/05/01	03/27/02	06/18/02	09/17/02	12/11/02	01/03/00	03/28/01	06/20/01	09/20/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U
trans-1,2-Dichloroethene		300 U	300 U	300 U	190 U	380 U	380 U	280 J	300 U	1200	300 U
trans-1,3-Dichloropropene		200 U	200 U	200 U	120 U	250 U	250 U	500 U	200 U	200 U	200 U
trans-1,4-Dichloro-2-butene		1000 U	1000 U	1000 U	620 U	1200 U	1200 U	—	1000 U	1000 U	1000 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-152	ECJ-2-152' 10:35	ECJ-2-152'	ECJ-2-152'	ECJ-2-152
	SDG ID	L0111491	L0202937	L0205987	L0209411	L0212604	4249	L0102727	L0105640	L0108767	L0111491
	Dilution Factor	500	500	250	400	200	10	50	100	100	100
	Sample Date	12/05/01	03/27/02	06/18/02	09/17/02	12/11/02	12/20/99	03/28/01	06/20/01	09/20/01	12/05/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		250 U	250 U	120 U	200 U	100 U	—	120 U	50 U	50 U	50 U
1,1,1-Trichloroethane		250 U	250 U	120 U	200 U	100 U	5.0 U	25 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane		250 U	250 U	120 U	200 U	100 U	5.0 U	25 U	50 U	50 U	50 U
1,1,2-Trichloroethane		380 U	380 U	190 U	300 U	150 U	5.0 U	38 U	75 U	75 U	75 U
1,1-Dichloroethane		380 U	380 U	190 U	300 U	150 U	2.9 J	38 U	75 U	75 U	75 U
1,1-Dichloroethene		250 U	250 U	120 U	200 U	100 U	5.0 U	38 U	50 U	50 U	50 U
1,1-Dichloropropene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
1,2,3-Trichlorobenzene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
1,2,3-Trichloropropane		2500 U	2500 U	1200 U	2000 U	1000 U	—	250 U	500 U	500 U	500 U
1,2,4-Trichlorobenzene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
Benzene, 1,2,4-trimethyl		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
Dibromochloropropane		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
1,2-Dibromoethane (EDB)		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
1,2-Dichlorobenzene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
1,2-Dichloroethane		250 U	250 U	120 U	200 U	100 U	2.6 J	25 U	50 U	50 U	50 U
1,2-Dichloropropane		880 U	880 U	440 U	700 U	350 U	5.0 U	88 U	180 U	180 U	180 U
Benzene, 1,3,5-trimethyl-		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
1,3-Dichlorobenzene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
1,3-Dichloropropane		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
1,4-Dichlorobenzene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
1,4-Dichlorobutane		2500 U	2500 U	1200 U	2000 U	1000 U	—	250 U	500 U	500 U	500 U
2,2-Dichloropropane		1200 U	1200 U	—	1000 U	500 U	—	120 U	250 U	250 U	250 U
2-Butanone (MEK)		2500 U	2500 U	1200 U	2000 U	1000 U	100 UJ	250 U	500 U	500 U	500 U
2-Hexanone		2500 U	2500 U	1200 U	2000 U	1000 U	50 U	250 U	500 U	500 U	500 U
4-Methyl-2-pentanone (MIBK)		2500 U	2500 U	1200 U	2000 U	1000 U	50 U	880	920	740	820
Acetone		2500 U	2500 U	1200 U	2000 U	1000 U	100 U	250 UJ	500 U	500 U	500 U
Acrolein		6200 U	6200 U	3100 U	5000 U	2500 U	—	620 U	1200 U	1200 U	1200 U
Acrylonitrile		2500 U	2500 U	1200 U	2000 U	1000 U	—	250 U	500 U	500 U	500 U
Benzene		250 U	250 U	120 U	200 U	100 U	20	35	50 U	50 U	50 U
Bromobenzene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
Bromochloromethane		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
Bromodichloromethane		250 U	250 U	120 U	200 U	100 U	5.0 U	25 U	50 U	50 U	50 U
Bromoform		250 U	250 U	120 U	800 U	400 U	5.0 U	25 U	50 U	50 U	50 U
Bromomethane		500 U	500 U	250 U	400 U	200 U	10 U	50 UJ	100 UJ	100 UJ	100 U
Carbon disulfide		2500 U	2500 U	1200 U	2000 U	1000 UJ	5.0 U	250 U	500 U	500 U	500 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-152	ECJ-2-152' 10:35	ECJ-2-152'	ECJ-2-152'	ECJ-2-152
	SDG ID	L0111491	L0202937	L0205987	L0209411	L0212604	4249	L0102727	L0105640	L0108767	L0111491
	Dilution Factor	500	500	250	400	200	10	50	100	100	100
	Sample Date	12/05/01	03/27/02	06/18/02	09/17/02	12/11/02	12/20/99	03/28/01	06/20/01	09/20/01	12/05/01
	Units	ug/L	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	WATER
Carbon tetrachloride		250 U	250 U	120 U	200 U	100 U	5.0 U	25 U	50 U	50 U	50 U
Chlorobenzene		250 U	250 U	120 U	200 U	100 U	5.0 U	88 U	50 U	50 U	50 U
Chloroethane		500 U	500 U	250 U	400 U	200 U	10 UJ	50 U	100 U	100 U	100 U
Chloroform		380 U	380 U	190 U	300 U	150 U	5.0 U	38 U	75 U	75 U	75 U
Chloromethane		1200 U	1200 U	620 U	1000 U	500 U	10 U	250 U	250 U	250 U	250 U
Dibromochloromethane		250 U	250 U	120 U	200 U	100 U	5.0 U	25 U	50 U	50 U	50 U
Dibromomethane		2500 U	2500 U	1200 U	2000 U	1000 U	—	250 U	500 U	500 U	500 U
Dichlorodifluoromethane		2500 UJ	2500 U	1200 U	2000 U	1000 U	—	250 U	500 U	500 U	500 UJ
Diethyl ether		1200 U	1200 U	620 U	1000 U	500 U	—	620 U	250 U	250 U	250 U
Ethyl methacrylate		2500 U	2500 U	1200 U	2000 U	1000 U	—	250 U	500 U	500 U	500 U
Ethylbenzene		1400	860	1600	910	1300	64	69	100	110	150
Hexachlorobutadiene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
Methyl iodide		2500 U	2500 U	1200 U	2000 U	1000 U	—	250 UJ	500 UJ	500 UJ	500 U
Isopropylbenzene		250 U	250 U	120 U	200 U	100 U	—	120 U	50 U	50 U	50 U
Methyl tert butyl ether		500 U	500 U	250 U	400 U	200 U	—	100 U	100 U	100 U	100 U
Methylene chloride		1200 U	1300 U	600 U	1000 U	1000 U	20 U	120 U	500 U	500 U	250 U
Naphthalene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
Styrene		250 U	250 U	120 U	200 U	100 U	5.0 U	25 U	50 U	50 U	50 U
Tetrachloroethene		250 U	250 U	120 U	200 U	100 U	5.0 U	25 U	50 U	50 U	50 U
Tetrahydrofuran		5000 U	5000 U	2500 U	4000 U	2000 U	—	500 U	1000 U	1000 U	1000 U
Toluene		1400	820	1200	1300	1300	54	230	320	380	500
Trichloroethene		250 U	250 U	120 U	200 U	100 U	2.9 J	25 U	50 U	50 U	50 U
Trichlorofluoromethane		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
Vinyl acetate		2500 UJ	2500 U	1200 U	2000 U	1000 U	—	250 U	500 U	500 U	500 UJ
Vinyl chloride		24000	14000	19000	18000	15000	100	3200	4500	5100	8600
cis-1,2-Dichloroethene		22000	16000	10000	7400	12000	140	180	340	5000	9500
cis-1,3-Dichloropropylene		250 U	250 U	120 U	200 U	100 U	5.0 U	25 U	50 U	50 U	50 U
n-Butylbenzene		250 U	250 U	120 U	200 U	100 U	—	120 U	50 U	50 U	50 U
n-Propylbenzene		250 U	250 U	120 U	200 U	100 U	—	120 U	50 U	50 U	50 U
2-Chlorotoluene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
o-Xylene		250 U	250 U	120 U	200 U	100 U	—	25 U	50 U	50 U	50 U
4-Chlorotoluene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
p-Isopropyltoluene		250 U	250 U	120 U	200 U	100 U	—	120 U	50 U	50 U	50 U
m,p-Xylenes		250 U	250 U	120 U	200 U	100 U	—	25 U	50 U	50 U	50 U
sec-Butylbenzene		250 U	250 U	120 U	200 U	100 U	—	120 U	50 U	50 U	50 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-152	ECJ-2-152' 10:35	ECJ-2-152'	ECJ-2-152'	ECJ-2-152
	SDG ID	L0111491	L0202937	L0205987	L0209411	L0212604	4249	L0102727	L0105640	L0108767	L0111491
	Dilution Factor	500	500	250	400	200	10	50	100	100	100
	Sample Date	12/05/01	03/27/02	06/18/02	09/17/02	12/11/02	12/20/99	03/28/01	06/20/01	09/20/01	12/05/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U
trans-1,2-Dichloroethene		380 U	380 U	190 U	300 U	150 U	14	38 U	75 U	75 U	75 U
trans-1,3-Dichloropropene		250 U	250 U	120 U	200 U	100 U	5.0 U	25 U	50 U	50 U	50 U
trans-1,4-Dichloro-2-butene		1200 U	1200 U	620 U	1000 U	500 U	—	120 U	250 U	250 U	250 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187' 8:55	ECJ-2-187'	ECJ-2-187'	ECJ-2-187	ECJ-2-187
	SDG ID	L0202937	L0205987	L0209411	L0212604	4249	L0102727	L0105542	L0108767	L0111491	L0202937
	Dilution Factor	400	250	400	500	100	100	1	1000	100	100
	Sample Date	03/27/02	06/18/02	09/17/02	12/11/02	12/19/99	03/28/01	06/19/01	09/20/01	12/05/01	03/27/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		200 U	120 U	200 U	250 U	—	250 U	0.5 U	500 U	50 U	50 U
1,1,1-Trichloroethane		200 U	120 U	200 U	250 U	5.0 U	50 U	0.5 U	500 U	50 U	50 U
1,1,2,2-Tetrachloroethane		200 U	120 U	200 U	250 U	5.0 U	50 U	0.5 U	500 U	50 U	50 U
1,1,2-Trichloroethane		300 U	190 U	300 U	380 U	5.0 U	75 U	0.75 U	750 U	75 U	75 U
1,1-Dichloroethane		300 U	190 U	300 U	380 U	1.8 J	75 U	0.75 U	750 U	75 U	75 U
1,1-Dichloroethene		200 U	120 U	200 U	250 U	5.0 U	75 U	0.5 U	500 U	50 U	50 U
1,1-Dichloropropene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
1,2,3-Trichlorobenzene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
1,2,3-Trichloropropane		2000 U	1200 U	2000 U	2500 U	—	500 U	5 U	5000 U	500 U	500 U
1,2,4-Trichlorobenzene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
Benzene, 1,2,4-trimethyl		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
Dibromochloropropane		1000 U	620 U	1000 U	1200 UJ	—	250 U	2.5 U	2500 U	250 U	250 U
1,2-Dibromoethane (EDB)		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
1,2-Dichlorobenzene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
1,2-Dichloroethane		200 U	120 U	200 U	250 U	3.6 J	50 U	0.5 U	500 U	50 U	50 U
1,2-Dichloropropane		700 U	440 U	700 U	880 U	5.0 U	180 U	1.8 U	1800 U	180 U	180 U
Benzene, 1,3,5-trimethyl-		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
1,3-Dichlorobenzene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
1,3-Dichloropropane		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
1,4-Dichlorobenzene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
1,4-Dichlorobutane		2000 U	1200 U	2000 U	2500 U	—	500 U	5 U	5000 U	500 U	500 U
2,2-Dichloropropane		1000 U	—	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
2-Butanone (MEK)		2000 U	1200 U	2000 U	2500 U	100 U	500 U	5 U	5000 U	500 U	500 U
2-Hexanone		2000 U	1200 U	2000 U	2500 U	50 U	500 U	5 U	5000 U	500 U	500 U
4-Methyl-2-pentanone (MIBK)		2000 U	1200 U	2000 U	2500 U	50 U	500 U	5 U	5000 U	500 U	610
Acetone		2000 U	1200 U	2000 U	2500 U	100 U	500 UJ	5 U	5000 U	500 U	500 U
Acrolein		5000 U	3100 U	5000 U	6200 U	—	1200 U	12 U	12000 U	1200 U	1200 U
Acrylonitrile		2000 U	1200 U	2000 U	2500 U	—	500 U	12	5000 U	500 U	500 U
Benzene		200 U	120 U	200 U	250 U	21	50 U	1.8	500 U	50 U	50 U
Bromobenzene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
Bromochloromethane		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
Bromodichloromethane		200 U	120 U	200 U	250 U	5.0 U	50 U	0.5 U	500 U	50 U	50 U
Bromoform		200 U	120 U	800 U	1000 U	5.0 U	50 U	0.5 U	500 U	50 U	50 U
Bromomethane		400 U	250 U	400 U	500 U	10 U	100 UJ	1 UJ	1000 U	100 U	100 U
Carbon disulfide		2000 U	1200 U	2000 U	2500 UJ	5.0 U	500 U	5 U	5000 U	500 U	500 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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File Number: 5509.28602

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187' 8:55	ECJ-2-187'	ECJ-2-187'	ECJ-2-187	ECJ-2-187
	SDG ID	L0202937	L0205987	L0209411	L0212604	4249	L0102727	L0105542	L0108767	L0111491	L0202937
	Dilution Factor	400	250	400	500	100	100	1	1000	100	100
	Sample Date	03/27/02	06/18/02	09/17/02	12/11/02	12/19/99	03/28/01	06/19/01	09/20/01	12/05/01	03/27/02
	Units	ug/L	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	WATER
Carbon tetrachloride		200 U	120 U	200 U	250 U	5.0 U	50 U	0.5 U	500 U	50 U	50 U
Chlorobenzene		200 U	120 U	200 U	250 U	2.6 J	180 U	0.97	500 U	50 U	50 U
Chloroethane		400 U	250 U	400 U	500 U	10 UJ	100 U	1 U	1000 U	100 U	100 U
Chloroform		300 U	190 U	300 U	380 U	5.0 U	75 U	0.75 U	750 U	75 U	75 U
Chloromethane		1000 U	620 U	1000 U	1200 U	10 U	500 U	2.5 U	2500 U	250 U	250 U
Dibromochloromethane		200 U	120 U	200 U	250 U	5.0 U	50 U	0.5 U	500 U	50 U	50 U
Dibromomethane		2000 U	1200 U	2000 U	2500 U	—	500 U	5 U	5000 U	500 U	500 U
Dichlorodifluoromethane		2000 U	1200 U	2000 U	2500 U	—	500 U	5 U	5000 U	500 UJ	500 U
Diethyl ether		1000 U	620 U	1000 U	1200 U	—	1200 U	2.5 U	2500 U	250 U	250 U
Ethyl methacrylate		2000 U	1200 U	2000 U	2500 U	—	500 U	5 U	5000 U	500 U	500 U
Ethylbenzene		550	440	200 U	900	170	130	14	1300	50 U	500
Hexachlorobutadiene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
Methyl iodide		2000 U	1200 U	2000 U	2500 U	—	500 UJ	5 UJ	5000 UJ	500 U	500 U
Isopropylbenzene		200 U	120 U	200 U	250 U	—	250 U	0.5 U	500 U	50 U	50 U
Methyl tert butyl ether		400 U	250 U	400 U	500 U	—	200 U	1 U	1000 U	100 U	100 U
Methylene chloride		1000 U	600 U	1000 U	2500 U	20 U	250 U	5 U	5000 U	250 U	250 U
Naphthalene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
Styrene		200 U	120 U	200 U	250 U	5.0 U	50 U	1	500 U	50 U	50 U
Tetrachloroethene		200 U	120 U	200 U	250 U	5.0 U	50 U	0.5 U	500 U	50 U	50 U
Tetrahydrofuran		4000 U	2500 U	4000 U	5000 U	—	1000 U	10 U	10000 U	1000 U	1000 U
Toluene		990	1200	1600	1600	180	110	14	1500	180	720
Trichloroethene		200 U	120 U	200 U	250 U	1.8 J	50 U	1.1	560	50 U	50 U
Trichlorofluoromethane		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
Vinyl acetate		2000 U	1200 U	2000 U	2500 U	—	500 U	5 U	5000 U	500 UJ	500 U
Vinyl chloride		14000	23000	18000	18000	1500	1300	16	4100	1400	7000
cis-1,2-Dichloroethene		3300	14000	26000	38000	1700	2900	14	36000	3500	11000
cis-1,3-Dichloropropylene		200 U	120 U	200 U	250 U	5.0 U	50 U	0.5 U	500 U	50 U	50 U
s-Butylbenzene		200 U	120 U	200 U	250 U	—	250 U	0.5 U	500 U	50 U	50 U
n-Propylbenzene		200 U	120 U	200 U	250 U	—	250 U	0.5 U	500 U	50 U	50 U
2-Chlorotoluene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
o-Xylene		200 U	120 U	200 U	250 U	—	50 U	0.5 U	500 U	50 U	50 U
4-Chlorotoluene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
p-Isopropyltoluene		200 U	120 U	200 U	250 U	—	250 U	0.5 U	500 U	50 U	50 U
m,p-Xylenes		200 U	120 U	200 U	250 U	—	50 U	0.5 U	500 U	120	50 U
sec-Butylbenzene		200 U	120 U	200 U	250 U	—	250 U	0.5 U	500 U	50 U	50 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187' 8:55	ECJ-2-187'	ECJ-2-187'	ECJ-2-187	ECJ-2-187
	SDG ID	L0202937	L0205987	L0209411	L0212604	4249	L0102727	L0105542	L0108767	L0111491	L0202937
	Dilution Factor	400	250	400	500	100	100	1	1000	100	100
	Sample Date	03/27/02	06/18/02	09/17/02	12/11/02	12/19/99	03/28/01	06/19/01	09/20/01	12/05/01	03/27/02
	Units	ug/L	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	WATER
tert-Butylbenzene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U
trans-1,2-Dichloroethene		300 U	190 U	430	380 U	25	75 U	1.5	750 U	75 U	75 U
trans-1,3-Dichloropropene		200 U	120 U	200 U	250 U	5.0 U	50 U	0.5 U	500 U	50 U	50 U
trans-1,4-Dichloro-2-butene		1000 U	620 U	1000 U	1200 U	—	250 U	2.5 U	2500 U	250 U	250 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-187	ECJ-2-187	ECJ-2-187	ECJ-3-63' 14:15	ECJ-3-51'	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-103' 11:15	ECJ-3-91'
	SDG ID	L0205987	L0209411	L0212604	L0102960	L0105697	L0108729	L0111344	L0212246	L0102960	L0105697
	Dilution Factor	20	20 and 200	200	10	10	1	1	1	1	1
	Sample Date	06/18/02	09/17/02	12/11/02	04/03/01	06/21/01	09/18/01	12/03/01	12/02/02	04/03/01	06/21/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		10 U	10 U	100 U	25 U	5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
1,1,1-Trichloroethane		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1,2,2-Tetrachloroethane		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
1,1,2-Trichloroethane		15 U	15 U	150 U	7.5 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		15 U	15 U	150 U	7.5 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		10 U	17	340	7.5 U	5 U	0.5 U	0.5 U	0.5 U	0.75 U	0.5 U
1,1-Dichloropropene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		100 U	100 U	1000 U	50 U	50 U	5 U	5 U	5 U	5.0 U	5 U
1,2,4-Trichlorobenzene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		50 U	50 U	500 UJ	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
1,2-Dichloropropane		35 U	35 U	350 U	18 U	18 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		100 U	100 U	1000 U	50 U	50 U	5 U	5 U	5 U	5.0 U	5 U
2,2-Dichloropropane		—	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		100 U	100 U	1000 U	50 UJ	50 U	5 U	5 UJ	5 U	5.0 UJ	5 U
2-Hexanone		100 U	100 U	1000 U	50 UJ	50 U	5 U	5 U	5 U	5.0 UJ	5 U
4-Methyl-2-pentanone (MIBK)		100 U	570	1000 U	50 U	50 U	5 U	5 U	5 U	5.0 U	5 U
Acetone		100 U	100 U	1000 U	50 UJ	50 U	5 U	5 UJ	5 UJ	5.0 UJ	5 U
Acrolein		250 U	250 U	2500 U	120 UJ	120 U	12 U	12 UJ	12 U	12 UJ	12 U
Acrylonitrile		100 U	100 U	1000 U	50 U	50 U	5 U	5 U	5 U	5.0 U	5 U
Benzene		10 U	43	150	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
Bromobenzene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
Bromoform		10 U	40 U	400 U	5.0 U	5 U	0.5 U	0.5 U	2 U	0.50 U	0.5 U
Bromomethane		20 U	20 U	200 U	10 UJ	10 U	1 U	1 U	1 U	1.0 UJ	1 U
Carbon disulfide		100 U	100 U	1000 UJ	50 U	50 U	5 U	5 U	5 U	5.0 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

File Number: 5509.28602

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-187	ECJ-2-187	ECJ-2-187	ECJ-3-63' 14:15	ECJ-3-51'	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-103' 11:15	ECJ-3-91'
	SDG ID	L0205987	L0209411	L0212604	L0102960	L0105697	L0108729	L0111344	L0212246	L0102960	L0105697
	Dilution Factor	20	20 and 200	200	10	10	1	1	1	1	1
	Sample Date	06/18/02	09/17/02	12/11/02	04/03/01	06/21/01	09/18/01	12/03/01	12/02/02	04/03/01	06/21/01
	Units	ug/L	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	WATER
Carbon tetrachloride		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
Chlorobenzene		10 U	10 U	100 U	18 U	5 U	0.5 U	0.64	0.5 U	1.8 U	0.5 U
Chloroethane		20 U	20 U	200 U	10 U	10 U	1 U	1 U	1 U	1.0 U	1 U
Chloroform		15 U	15 U	150 U	15	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U	1
Chloromethane		50 U	50 U	500 U	50 U	25 U	2.5 U	2.5 U	2.5 U	5.0 U	2.5 U
Dibromochloromethane		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
Dibromomethane		100 U	100 U	1000 U	50 U	50 U	5 U	5 U	5 U	5.0 U	5 U
Dichlorodifluoromethane		100 U	100 U	1000 U	50 U	50 U	5 U	5 U	5 U	5.0 U	5 U
Diethyl ether		50 U	50 U	500 U	120 U	25 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U
Ethyl methacrylate		100 U	100 U	1000 U	50 U	50 U	5 U	5 U	5 U	5.0 U	5 U
Ethylbenzene		52	470	3000	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
Hexachlorobutadiene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		100 U	100 U	1000 U	50 U	50 U	5 U	5 U	5 U	5.0 U	5 U
Isopropylbenzene		10 U	10 U	100 U	25 U	5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
Methyl tert butyl ether		20 U	20 U	200 U	20 U	10 U	1 U	1 U	1 U	2.0 U	1 U
Methylene chloride		50 U	50 U	1000 U	25 U	50 U	5 U	2.5 U	2.5 U	2.5 U	5 U
Naphthalene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
Tetrachloroethene		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
Tetrahydrofuran		200 U	200 U	2000 U	100 U	100 U	12	10 U	10 UJ	10 U	10 U
Toluene		79	620	2600	7.5 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		10 U	10 U	980	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
Trichlorofluoromethane		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		100 U	100 U	1000 U	50 U	50 U	5 U	5 U	5 U	5.0 U	5 U
Vinyl chloride		680	16000	11000	10 U	10 U	1 U	1 U	1 U	1.0 U	1 U
cis-1,2-Dichloroethene		1200	12000	62000	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
cis-1,3-Dichloropropylene		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
n-Butylbenzene		10 U	10 U	100 U	25 U	5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
n-Propylbenzene		10 U	10 U	100 U	25 U	5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
2-Chlorotoluene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
4-Chlorotoluene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		10 U	10 U	100 U	25 U	5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
m,p-Xylenes		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
sec-Butylbenzene		10 U	10 U	100 U	25 U	5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-2-187	ECJ-2-187	ECJ-2-187	ECJ-3-63' 14:15	ECJ-3-51'	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-103' 11:15	ECJ-3-91'
	SDG ID	L0205987	L0209411	L0212604	L0102960	L0105697	L0108729	L0111344	L0212246	L0102960	L0105697
	Dilution Factor	20	20 and 200	200	10	10	1	1	1	1	1
	Sample Date	06/18/02	09/17/02	12/11/02	04/03/01	06/21/01	09/18/01	12/03/01	12/02/02	04/03/01	06/21/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		15 U	58	170	7.5 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		10 U	10 U	100 U	5.0 U	5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U
trans-1,4-Dichloro-2-butene		50 U	50 U	500 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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FXP F[redacted]509_SU[redacted]\28602[redacted]FUND\[redacted]LL.FX[redacted]

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-138' 10:10	ECJ-3-126'	ECJ-3-126	ECJ-3-126	ECJ-3-126	ECJ-3-146	ECJ-3-146
	SDG ID	L0108729	L0111344	L0212246	L0102960	L0105640	L0108729	L0111344	L0212246	L0108729	L0111344
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	09/18/01	12/03/01	12/02/02	04/03/01	06/21/01	09/18/01	12/03/01	12/02/02	09/18/01	12/03/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
1,1,2-Trichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		0.5 U	0.5 U	0.5 U	0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		5 U	5 UJ	5 U	5.0 UJ	5 U	5 U	5 UJ	5 U	5 U	5 UJ
2-Hexanone		5 U	5 U	5 U	5.0 UJ	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone		5 U	5 UJ	5 UJ	5.0 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ
Acrolein		12 U	12 UJ	12 U	12 UJ	12 U	12 U	12 UJ	12 U	12 U	12 UJ
Acrylonitrile		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		0.5 U	0.5 U	2 U	0.50 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U
Bromomethane		1 U	1 U	1 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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FXP File: Q:\5509_SULLIVAN\28602_SUPERFUND\TABLEALL.FXP

File Number: 5509.28602

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-138' 10:10	ECJ-3-126'	ECJ-3-126	ECJ-3-126	ECJ-3-126	ECJ-3-146	ECJ-3-146
	SDG ID	L0108729	L0111344	L0212246	L0102960	L0105640	L0108729	L0111344	L0212246	L0108729	L0111344
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	09/18/01	12/03/01	12/02/02	04/03/01	06/21/01	09/18/01	12/03/01	12/02/02	09/18/01	12/03/01
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		0.5 U	0.5 U	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane		1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform		0.75 U	1.1	0.75 U	0.75 U	0.96	0.86	1.2	0.75 U	0.75 U	0.75 U
Chloromethane		2.5 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Diethyl ether		2.5 U	2.5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 UJ	5 U
Isopropylbenzene		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether		1 U	1 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride		5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	2.5 U	2.5 U	5 U	2.5 U
Naphthalene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Toluene		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride		1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropylene		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-138' 10:10	ECJ-3-126'	ECJ-3-126	ECJ-3-126	ECJ-3-126	ECJ-3-146	ECJ-3-146
	SDG ID	L0108729	L0111344	L0212246	L0102960	L0105640	L0108729	L0111344	L0212246	L0108729	L0111344
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	09/18/01	12/03/01	12/02/02	04/03/01	06/21/01	09/18/01	12/03/01	12/02/02	09/18/01	12/03/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-3-146	ECJ-4-62	ECJ-4-60' 11:30	ECJ-4-60'	ECJ-4-60'	ECJ-4-62	ECJ-4-62	ECJ-4-87	ECJ-4-85' 9:50	ECJ-4-85'
	SDG ID	L0212246	4357	L0102730	L0107373	L0109029	L0111561	L0212520	4357	L0102730	L0107373
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/02/02	01/05/00	03/27/01	08/09/01	09/26/01	12/06/01	12/09/02	01/05/00	03/27/01	08/09/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U
1,1,1-Trichloroethane		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
1,1,2,2-Tetrachloroethane		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
1,1,2-Trichloroethane		0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U
1,1-Dichloroethane		0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U
1,1-Dichloroethene		0.5 U	0.50 U	0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.75 U	0.5 U
1,1-Dichloropropene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,2,3-Trichlorobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,2,3-Trichloropropane		5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U
1,2,4-Trichlorobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Dibromochloropropane		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,2-Dichlorobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,2-Dichloroethane		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
1,2-Dichloropropane		1.8 U	0.50 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.50 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,3-Dichlorobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,3-Dichloropropane		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,4-Dichlorobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,4-Dichlorobutane		5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U
2,2-Dichloropropane		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
2-Butanone (MEK)		5 U	10 U	5.0 U	5 U	5 U	5 U	5 U	10 U	5.0 U	5 U
2-Hexanone		5 U	5.0 U	5.0 U	5 U	5 U	5 UJ	5 U	5.0 U	5.0 U	5 U
4-Methyl-2-pentanone (MIBK)		5 U	5.0 U	5.0 U	5 U	5 U	5 UJ	5 U	5.0 U	5.0 U	5 U
Acetone		5 UJ	10 U	5.0 U	13	5 UJ	5 U	5 U	10 U	5.0 U	5 U
Acrolein		12 U	—	12 U	12 U	12 U	12 UJ	12 UJ	—	12 U	12 U
Acrylonitrile		5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U
Benzene		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Bromobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Bromochloromethane		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Bromodichloromethane		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Bromoform		2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	2 U	0.50 U	0.50 U	0.5 U
Bromomethane		1 U	1.0 U	1.0 UJ	1 U	1 U	1 U	1 UJ	1.0 U	1.0 UJ	1 U
Carbon disulfide		5 U	0.50 U	5.0 U	5 U	5 U	5 U	5 U	0.50 U	5.0 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-3-146	ECJ-4-62	ECJ-4-60' 11:30	ECJ-4-60'	ECJ-4-60'	ECJ-4-62	ECJ-4-62	ECJ-4-87	ECJ-4-85' 9:50	ECJ-4-85'
	SDG ID	L0212246	4357	L0102730	L0107373	L0109029	L0111561	L0212520	4357	L0102730	L0107373
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/02/02	01/05/00	03/27/01	08/09/01	09/26/01	12/06/01	12/09/02	01/05/00	03/27/01	08/09/01
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Chlorobenzene		0.5 U	0.50 U	1.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	1.8 U	0.5 U
Chloroethane		1 U	1.0 UJ	1.0 U	1 U	1 U	1 U	1 U	1.0 UJ	1.0 U	1 U
Chloroform		0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U
Chloromethane		2.5 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	5.0 U	2.5 U
Dibromochloromethane		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Dibromomethane		5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U
Dichlorodifluoromethane		5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U
Diethyl ether		2.5 U	—	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	12 U	2.5 U
Ethyl methacrylate		5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U
Ethylbenzene		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Hexachlorobutadiene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Methyl iodide		5 U	—	5.0 UJ	5 U	5 U	5 U	5 UJ	—	5.0 UJ	5 U
Isopropylbenzene		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U
Methyl tert butyl ether		1 U	—	2.0 U	1 U	1 U	1 U	1 U	—	2.0 U	1 U
Methylene chloride		2.5 U	2.0 U	2.5 U	5 U	5 U	2.5 U	2.5 U	2.0 U	2.5 U	5 U
Naphthalene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Styrene		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Tetrachloroethene		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Tetrahydrofuran		10 UJ	—	10 U	10 U	10 U	10 U	10 UJ	—	10 U	10 U
Toluene		0.75 U	0.17 J	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.18 J	0.75 U	0.75 U
Trichloroethene		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Trichlorofluoromethane		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Vinyl acetate		5 U	—	5.0 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U
Vinyl chloride		1 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene		0.5 U	0.39 J	0.66 U	0.5 U	0.5 U	0.5 U	0.5 U	0.37 J	0.50 U	0.5 U
cis-1,3-Dichloropropylene		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
n-Butylbenzene		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U
n-Propylbenzene		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U
2-Chlorotoluene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
o-Xylene		0.5 U	—	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U
4-Chlorotoluene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
p-Isopropyltoluene		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U
m,p-Xylenes		0.5 U	—	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U
sec-Butylbenzene		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-3-146	ECJ-4-62	ECJ-4-60' 11:30	ECJ-4-60'	ECJ-4-60'	ECJ-4-62	ECJ-4-62	ECJ-4-87	ECJ-4-85' 9:50	ECJ-4-85'
	SDG ID	L0212246	4357	L0102730	L0107373	L0109029	L0111561	L0212520	4357	L0102730	L0107373
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/02/02	01/05/00	03/27/01	08/09/01	09/26/01	12/06/01	12/09/02	01/05/00	03/27/01	08/09/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
trans-1,2-Dichloroethene		0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
trans-1,4-Dichloro-2-butene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	—	2.5 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-4-85'	ECJ-4-87	ECJ-4-87	ECJ-4-132	ECJ-4-130' 16:00	ECJ-4-130'	ECJ-4-130'	ECJ-4-132	ECJ-4-132	ECJ-4-162
	SDG ID	L0109029	L0111561	L0212520	4345	L0102674	L0107373	L0109029	L0111561	L0212520	4345
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	09/26/01	12/06/01	12/09/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01	12/09/02	01/04/00
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
1,1,1,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—
1,1,1-Trichloroethane		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
1,1,2-Trichloroethane		0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U
1,1-Dichloroethane		0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U
1,1-Dichloroethene		0.5 U	0.5 U	0.5 U	0.50 U	0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
1,1-Dichloropropene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,2,3-Trichloropropane		5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—
1,2,4-Trichlorobenzene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Dibromochloropropane		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,2-Dichlorobenzene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,2-Dichloroethane		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.13 J
1,2-Dichloropropane		1.8 U	1.8 U	1.8 U	0.50 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.50 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,3-Dichlorobenzene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,3-Dichloropropane		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,4-Dichlorobenzene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
1,4-Dichlorobutane		5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—
2,2-Dichloropropane		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
2-Butanone (MEK)		5 U	5 U	5 U	10 UJ	5.0 U	5 U	5 U	5 U	5 U	10 UJ
2-Hexanone		5 U	5 UJ	5 U	5.0 UJ	5.0 U	5 U	5 U	5 UJ	5 U	5.0 UJ
4-Methyl-2-pentanone (MIBK)		5 U	5 UJ	5 U	5.0 U	5.0 U	5 U	5 U	5 UJ	5 U	5.0 U
Acetone		5 UJ	5 U	5 U	10 U	5.0 U	5 U	5 UJ	5 U	5 UJ	3.5 J
Acrolein		12 U	12 UJ	12 UJ	—	12 U	12 U	12 U	12 UJ	12 UJ	—
Acrylonitrile		5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—
Benzene		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.53
Bromobenzene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Bromochloromethane		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Bromodichloromethane		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Bromoform		0.5 U	0.5 U	2 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	2 U	0.50 U
Bromomethane		1 U	1 U	1 UJ	1.0 U	1.0 UJ	1 U	1 U	1 U	1 UJ	1.0 U
Carbon disulfide		5 U	5 U	5 U	0.50 U	5.0 U	5 U	5 U	5 U	5 U	0.50 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-4-85'	ECJ-4-87	ECJ-4-87	ECJ-4-132	ECJ-4-130' 16:00	ECJ-4-130'	ECJ-4-130'	ECJ-4-132	ECJ-4-132	ECJ-4-162
	SDG ID	L0109029	L0111561	L0212520	4345	L0102674	L0107373	L0109029	L0111561	L0212520	4345
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	09/26/01	12/06/01	12/09/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01	12/09/02	01/04/00
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Chlorobenzene		0.5 U	0.5 U	0.5 U	0.50 U	1.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.61
Chloroethane		1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U
Chloroform		0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U
Chloromethane		2.5 U	2.5 U	2.5 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U
Dibromochloromethane		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Dibromomethane		5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—
Dichlorodifluoromethane		5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—
Diethyl ether		2.5 U	2.5 U	2.5 U	—	12 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Ethyl methacrylate		5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—
Ethylbenzene		0.5 U	0.5 U	0.5 U	0.20 J	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4
Hexachlorobutadiene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Methyl iodide		5 U	5 U	5 UJ	—	5.0 UJ	5 U	5 U	5 U	5 UJ	—
Isopropylbenzene		0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—
Methyl tert butyl ether		1 U	1 U	1 U	—	2.0 U	1 U	1 U	1 U	1 U	—
Methylene chloride		5 U	2.5 U	2.5 U	2.0 U	2.5 U	5 U	5 U	2.5 U	2.5 U	0.42 J
Naphthalene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Styrene		0.5 U	0.5 U	0.5 U	0.47 J	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	6.1
Tetrachloroethene		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Tetrahydrofuran		10 U	10 U	10 UJ	—	10 U	10 U	10 U	10 U	10 UJ	—
Toluene		0.75 U	0.75 U	0.75 U	0.20 J	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.77
Trichloroethene		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
Trichlorofluoromethane		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
Vinyl acetate		5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U	5 U	—
Vinyl chloride		1 U	1 U	1 U	0.41 J	1.0 U	1 U	1 U	1 U	1 U	1.7
cis-1,2-Dichloroethene		0.5 U	0.5 U	0.5 U	0.23 J	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.39 J
cis-1,3-Dichloropropylene		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
n-Butylbenzene		0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—
n-Propylbenzene		0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—
2-Chlorotoluene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
o-Xylene		0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—
4-Chlorotoluene		2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—
p-Isopropyltoluene		0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—
m,p-Xylenes		0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	—
sec-Butylbenzene		0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-4-85'	ECJ-4-87	ECJ-4-87	ECJ-4-132	ECJ-4-130' 16:00	ECJ-4-130'	ECJ-4-130'	ECJ-4-132	ECJ-4-132	ECJ-4-162
	SDG ID	L0109029	L0111561	L0212520	4345	L0102674	L0107373	L0109029	L0111561	L0212520	4345
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	09/26/01	12/06/01	12/09/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01	12/09/02	01/04/00
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		2.5 U	2.5 U	2.5 U	---	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	---
trans-1,2-Dichloroethene		0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 U	2.5 UJ	---	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	---

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-4-160' 14:40	ECJ-4-160'	ECJ-4-160'	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-225' 11:40	ECJ-4-225'	ECJ-4-223'	ECJ-4-227
	SDG ID	L0102629	L0107373	L0109029	L0111561	L0212520	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/26/01	08/09/01	09/26/01	12/06/01	12/09/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.75 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		5 U	5 U	5 U	5 U	5 U	—	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.50 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		5 U	5 U	5 U	5 U	5 U	—	5 U	5 U	5 U	5 U
2,2-Dichloropropane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 UJ	5 U	5.0 U	5 U	5 U	5 U	5 UJ
4-Methyl-2-pentanone (MIBK)		5 U	5 U	5 U	5 UJ	5 U	5.0 U	5 U	5 U	5 U	5 UJ
Acetone		5 UJ	5 U	5 UJ	5 U	5 UJ	10 U	5 UJ	5 U	5 UJ	5 U
Acrolein		12 U	12 U	12 U	12 UJ	12 UJ	—	12 U	12 U	12 U	12 UJ
Acrylonitrile		17	5 U	5 U	5 U	5 U	—	5 U	5 U	5 U	5 U
Benzene		0.52	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane		1 UJ	1 U	1 U	1 U	1 UJ	1.0 U	1 UJ	1 U	1 U	1 U
Carbon disulfide		5 U	5 U	5 U	5 U	16	0.64	5 U	5 U	5 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-4-160' 14:40	ECJ-4-160'	ECJ-4-160'	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-225' 11:40	ECJ-4-225'	ECJ-4-223'	ECJ-4-227
	SDG ID	L0102629	L0107373	L0109029	L0111561	L0212520	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/26/01	08/09/01	09/26/01	12/06/01	12/09/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		1.8 U	0.5 U	0.51	0.89	1.1	1.6	1.8 U	1.3	1.4	1.7
Chloroethane		1 U	1 U	1 U	1 U	1 U	1.0 UJ	1 U	1 U	1 U	1 U
Chloroform		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		5 U	5 U	5 U	5 U	5 U	—	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 U	5 U	—	5 U	5 U	5 U	5 U
Diethyl ether		12 U	2.5 U	2.5 U	2.5 U	2.5 U	—	12 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		5 U	5 U	5 U	5 U	5 U	—	5 U	5 U	5 U	5 U
Ethylbenzene		2.7	1.8	3.9	4	3.2	1.8	1.7	1.6	1.7	1.8
Hexachlorobutadiene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		5 UJ	5 U	5 U	5 U	5 UJ	—	5 UJ	5 U	5 U	5 U
Isopropylbenzene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether		2 U	1 U	1 U	1 U	1 U	—	2 U	1 U	1 U	1 U
Methylene chloride		2.5 U	5 U	5 U	2.5 U	2.5 U	2.0 U	2.5 U	5 U	5 U	2.5 U
Naphthalene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		6	1.6	1.5	1	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		10 U	10 U	10 U	10 U	10 UJ	—	10 U	10 U	10 U	10 U
Toluene		0.75 U	0.75 U	0.75 U	0.75 U	0.89	0.94	0.75	0.82	0.75 U	0.75 U
Trichloroethene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.19 J	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		5 U	5 U	5 U	5 U	5 U	—	5 U	5 U	5 U	5 U
Vinyl chloride		1.7	2.5	1.2	1.5	5	1.2	1.2	1.2	1.2	1.4
cis-1,2-Dichloroethene		0.92 U	0.5 U	0.5 U	0.56 U	0.5 U	0.58	0.68 U	0.82	0.5 U	0.5 U
cis-1,3-Dichloropropylene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-4-160' 14:40	ECJ-4-160'	ECJ-4-160'	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-225' 11:40	ECJ-4-225'	ECJ-4-223'	ECJ-4-227
	SDG ID	L0102629	L0107373	L0109029	L0111561	L0212520	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/26/01	08/09/01	09/26/01	12/06/01	12/09/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	—	2.5 U	2.5 U	2.5 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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FXP File: Q:\5509_SULLIVAN\28602_SUPERFUND\TABLEALL.FXP

File Number: 5509.28602

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-4-227	ECJ-4-245	ECJ-4-245' 10:00	ECJ-4-245'	ECJ-4-245'	ECJ-4-245	ECJ-4-245	Equipment Blank	Trip Blank	Trip Blank
	SDG ID	L0212377	4345	L0102629	L0107373	L0109029	L0111561	L0212377	L0212763	L0212520	L0212377
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01	12/05/02	12/17/02	11/02/02	11/21/02
	Units	ug/L	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	WATER
1,1,1,2-Tetrachloroethane		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane		0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		0.5 U	0.50 U	0.75 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		5 U	—	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Benzene, 1,2,4-trimethyl		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane		1.8 U	0.50 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		5 U	—	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		5 UJ	5.0 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)		5 U	5.0 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Acetone		5 U	10 U	5 UJ	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
Acrolein		12 UJ	—	12 U	12 U	12 U	12 UJ	12 UJ	12 U	12 U	12 U
Acrylonitrile		5 U	—	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		2 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	2 U	2 U
Bromomethane		1 UJ	1.0 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Carbon disulfide		5 U	0.85	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-4-227	ECJ-4-245	ECJ-4-245' 10:00	ECJ-4-245'	ECJ-4-245'	ECJ-4-245	ECJ-4-245	Equipment Blank	Trip Blank	Trip Blank
	SDG ID	L0212377	4345	L0102629	L0107373	L0109029	L0111561	L0212377	L0212763	L0212520	L0212377
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01	12/05/02	12/17/02	11/02/02	11/21/02
	Units	ug/L	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	WATER
Carbon tetrachloride		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		1.6	0.15 J	1.8 U	0.54	0.61	1.1	1.1	0.5 U	0.5 U	0.5 U
Chloroethane		1 U	1.0 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform		0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		2.5 U	1.0 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		5 U	—	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	—	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Diethyl ether		2.5 U	—	12 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		5 U	—	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene		2.4	7.0	2.3	2.1	2.2	2.8	1.8	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		5 UJ	—	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Isopropylbenzene		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether		1 U	—	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride		2.5 U	2.0 U	2.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		0.5 U	1.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	0.5 U	0.5 U
Tetrachloroethene		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		10 U	—	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene		0.85	0.68	0.75 U	0.75 U	0.75 U	1	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		5 U	—	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride		2.2	3.9	1 U	1.1	1.1	1.9	1.3	1 U	1 U	1 U
cis-1,2-Dichloroethene		0.5 U	1.0	2.8 U	0.5 U	0.5 U	1.6 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropylene		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		0.5 U	—	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes		0.5 U	—	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		0.5 U	—	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-4-227	ECJ-4-245	ECJ-4-245' 10:00	ECJ-4-245'	ECJ-4-245'	ECJ-4-245	ECJ-4-245	Equipment Blank	Trip Blank	Trip Blank
	SDG ID	L0212377	4345	L0102629	L0107373	L0109029	L0111561	L0212377	L0212763	L0212520	L0212377
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01	12/05/02	12/17/02	11/02/02	11/21/02
	Units	ug/L	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	WATER
tert-Butylbenzene		2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		0.75 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		2.5 UJ	—	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	Trip Blank
	SDG ID	L0212246
	Dilution Factor	1
	Sample Date	11/24/02
	Units	ug/L
Compound	Matrix	WATER
1,1,1,2-Tetrachloroethane		0.5 U
1,1,1-Trichloroethane		0.5 U
1,1,2,2-Tetrachloroethane		0.5 U
1,1,2-Trichloroethane		0.75 U
1,1-Dichloroethane		0.75 U
1,1-Dichloroethene		0.5 U
1,1-Dichloropropene		2.5 U
1,2,3-Trichlorobenzene		2.5 U
1,2,3-Trichloropropane		5 U
1,2,4-Trichlorobenzene		2.5 U
Benzene, 1,2,4-trimethyl		2.5 U
Dibromochloropropane		2.5 U
1,2-Dibromoethane (EDB)		2.5 U
1,2-Dichlorobenzene		2.5 U
1,2-Dichloroethane		0.5 U
1,2-Dichloropropane		1.8 U
Benzene, 1,3,5-trimethyl-		2.5 U
1,3-Dichlorobenzene		2.5 U
1,3-Dichloropropane		2.5 U
1,4-Dichlorobenzene		2.5 U
1,4-Dichlorobutane		5 U
2,2-Dichloropropane		2.5 U
2-Butanone (MEK)		5 U
2-Hexanone		5 U
4-Methyl-2-pentanone (MIBK)		5 U
Acetone		5 U
Acrolein		12 U
Acrylonitrile		5 U
Benzene		0.5 U
Bromobenzene		2.5 U
Bromochloromethane		2.5 U
Bromodichloromethane		0.5 U
Bromoform		2 U
Bromomethane		1 U
Carbon disulfide		5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	Trip Blank
	SDG ID	L0212246
	Dilution Factor	1
	Sample Date	11/24/02
	Units	ug/L
Compound	Matrix	WATER
Carbon tetrachloride		0.5 U
Chlorobenzene		0.5 U
Chloroethane		1 U
Chloroform		0.75 U
Chloromethane		2.5 U
Dibromochloromethane		0.5 U
Dibromomethane		5 U
Dichlorodifluoromethane		5 U
Diethyl ether		2.5 U
Ethyl methacrylate		5 U
Ethylbenzene		0.5 U
Hexachlorobutadiene		2.5 U
Methyl iodide		5 U
Isopropylbenzene		0.5 U
Methyl tert butyl ether		1 U
Methylene chloride		2.5 U
Naphthalene		2.5 U
Styrene		0.5 U
Tetrachloroethene		0.5 U
Tetrahydrofuran		10 U
Toluene		0.75 U
Trichloroethene		0.5 U
Trichlorofluoromethane		2.5 U
Vinyl acetate		5 U
Vinyl chloride		1 U
cis-1,2-Dichloroethene		0.5 U
cis-1,3-Dichloropropylene		0.5 U
n-Butylbenzene		0.5 U
n-Propylbenzene		0.5 U
2-Chlorotoluene		2.5 U
o-Xylene		0.5 U
4-Chlorotoluene		2.5 U
p-Isopropyltoluene		0.5 U
m,p-Xylenes		0.5 U
sec-Butylbenzene		0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	Trip Blank
	SDG ID	L0212246
	Dilution Factor	1
	Sample Date	11/24/02
	Units	ug/L
Compound	Matrix	WATER
tert-Butylbenzene		2.5 U
trans-1,2-Dichloroethene		0.75 U
trans-1,3-Dichloropropene		0.5 U
trans-1,4-Dichloro-2-butene		2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-1	INF-BEI-1	BEI-1	BEI-2	INF-BEI-2	BEI-2	BEI-3	INF-BEI-3	BEI-3	OBG-1
	SDG ID	L0102477	L0111561	L0212377	L0102477	L0111561	L0212377	L0102477	L0111561	L0212377	L0102477
	Dilution Factor	1	5	1	1	5	1	1	1	1	1
	Sample Date	03/21/01	12/06/01	12/05/02	03/21/01	12/06/01	12/05/02	03/21/01	12/06/01	12/05/02	03/21/01
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene		44	82	70	9.3 J	25 U	7.6	5.0 U	7.8	5 U	21
1,2-Dichlorobenzene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
1,3-Dichlorobenzene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
1,4-Dichlorobenzene		5.1	25 U	8.9	11 J	25 U	9	5.0 U	5 U	5 U	5.0 U
1-Chloronaphthalene		5.0 U	25 U	5 U	7.0 J	25 U	5.9	5.0 U	5.3	5 U	5.8
1-Methylnaphthalene		5.0 U	25 U	5 U	9.9 J	25 U	9.8	5.0 U	5 U	5 U	7.4
2,4,5-Trichlorophenol		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
2,4,6-Trichlorophenol		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
2,4-Dichlorophenol		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene		5.0 U	30 U	6 U	5.0 UJ	30 U	6 U	5.0 U	6 U	6 U	5.0 U
2,6-Dichlorophenol		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
2-Chloronaphthalene		5.0 U	30 U	6 U	5.0 UJ	30 U	6 U	5.0 U	6 U	6 U	5.0 U
2-Chlorophenol		5.0 U	30 U	6 U	5.0 UJ	30 U	6 U	5.0 U	6 U	6 U	5.0 U
2-Methylnaphthalene		5.0 U	40 U	8 U	5.0 UJ	40 U	8 U	5.0 U	8 U	8 U	5.0 U
2-Methylphenol		5.0 U	30 U	6 U	5.0 UJ	30 U	6 U	5.0 U	6 U	6 U	5.0 U
2-Nitroaniline		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
2-Nitrophenol		10 U	100 U	20 U	10 UJ	100 U	20 U	10 U	20 U	20 U	10 U
2-Picoline		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
3,3-Dichlorobenzidine		50 U	250 UJ	50 U	50 UJ	250 UJ	50 U	50 U	50 U	50 U	50 U
3-Methylcholanthrene		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol		5.0 U	30 U	6 U	5.0 UJ	30 U	6 U	5.0 U	6 U	6 U	5.0 U
3-Nitroaniline		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
4,6-Dinitro-2-methylphenol		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
4-Aminobiphenyl		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
4-Chloroaniline		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
4-Chlorophenyl phenyl ether		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
4-Nitroaniline		5.0 U	35 U	7 U	5.0 UJ	35 U	7 U	5.0 U	7 U	7 U	5.0 U
4-Nitrophenol		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
7,12-Dimethylbenz(a)anthracene		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-1	INF-BEI-1	BEI-1	BEI-2	INF-BEI-2	BEI-2	BEI-3	INF-BEI-3	BEI-3	OBG-1
	SDG ID	L0102477	L0111561	L0212377	L0102477	L0111561	L0212377	L0102477	L0111561	L0212377	L0102477
	Dilution Factor	1	5	1	1	5	1	1	1	1	1
	Sample Date	03/21/01	12/06/01	12/05/02	03/21/01	12/06/01	12/05/02	03/21/01	12/06/01	12/05/02	03/21/01
	Units	ug/L	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	WATER
Acenaphthylene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Acetophenone		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
Aniline		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
Anthracene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Azobenzene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Benzidine		50 U	250 UJ	50 U	50 UJ	250 UJ	50 U	50 U	50 UJ	50 U	50 U
Benzo(a)anthracene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Benzo[a]pyrene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Benzo(b)fluoranthene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Benzo(e)pyrene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Benzo(ghi)perylene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Benzo(k)fluoranthene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Benzoic acid		50 U	250 UJ	50 U	50 UJ	250 UJ	50 U	50 U	50 U	50 U	50 U
Benzyl alcohol		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
Biphenyl		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
bis(2-Chloroethoxy)methane		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
bis(2-Chloroethyl)ether		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
2,2'-oxybis(1-Chloropropane)		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
bis(2-Ethylhexyl)phthalate (BEHP)		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Carbazole		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Chlorobenzilate		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
Chrysene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Di-n-butyl phthalate		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Di-n-octyl phthalate		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Dibenzo(a,h)anthracene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Dibenzofuran		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Diethyl phthalate		5.0 U	25 U	12 U	5.0 UJ	25 U	12 U	5.0 U	5 U	12 U	5.0 U
Dimethoate		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
Dimethyl phthalate		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Ethyl methanesulfonate		15 U	75 U	15 U	15 UJ	75 U	15 U	15 U	15 U	15 U	15 U
Fluoranthene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Fluorene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Hexachlorobenzene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Hexachlorobutadiene		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	BEI-1	INF-BEI-1	BEI-1	BEI-2	INF-BEI-2	BEI-2	BEI-3	INF-BEI-3	BEI-3	OBG-1
	SDG ID	L0102477	L0111561	L0212377	L0102477	L0111561	L0212377	L0102477	L0111561	L0212377	L0102477
	Dilution Factor	1	5	1	1	5	1	1	1	1	1
	Sample Date	03/21/01	12/06/01	12/05/02	03/21/01	12/06/01	12/05/02	03/21/01	12/06/01	12/05/02	03/21/01
	Units	ug/L	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	WATER
Hexachlorocyclopentadiene		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Hexachloropropene		50 U	250 U	50 UJ	50 UJ	250 U	50 UJ	50 U	50 U	50 UJ	50 U
Indeno(1,2,3-cd)pyrene		5.0 U	35 U	7 U	5.0 UJ	35 U	7 U	5.0 U	7 U	7 U	5.0 U
Isodrin		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
Isophorone		7.8	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	6.6
Methyl methanesulfonate		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
NDPA/DPA		5.0 U	75 U	15 U	11 J	75 U	15 U	5.0 U	15 U	15 U	8.7
Naphthalene		11	25 U	13	26 J	66	7	5.0 U	5 U	5 U	73
Nitrobenzene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Nitrosodi-n-butylamine		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
Nitrosodipiperidine		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
Pentachlorobenzene		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
PCNB		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol		20 U	100 UJ	20 U	20 UJ	100 UJ	20 U	20 U	20 U	20 U	20 U
Perylene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Phenacetin		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Phenol		5.0 U	35 U	7 U	5.0 UJ	35 U	7 U	5.0 U	7 U	7 U	5.0 U
Pronamide		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
Pyrene		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
Pyridine		50 U	250 U	50 U	50 UJ	250 U	50 U	50 U	50 U	50 U	50 U
a,a-Dimethylphenethylamine		50 U	250 U	50 U	50 UJ	250 U	50 U	50 U	50 U	50 U	50 U
a-Naphthylamine		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
b-Naphthylamine		20 U	100 U	20 U	20 UJ	100 U	20 U	20 U	20 U	20 U	20 U
N-Nitrosodipropylamine		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
N-Nitrosodimethylamine		50 U	250 U	50 U	50 UJ	250 U	50 U	50 U	50 U	50 U	50 U
4-Chloro-3-methylphenol		5.0 U	25 U	5 U	5.0 UJ	25 U	5 U	5.0 U	5 U	5 U	5.0 U
p-Dimethylaminoazobenzene		10 U	50 U	10 U	10 UJ	50 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	INF-OBG-1	OBG-1	OBG-2	INF-OBG-2	OBG-2	OBG-3	INF-OBG-3	TRENCH	Collection Trench	Shallow Trench
	SDG ID	L0111561	L0212377	L0102477	L0111561	L0212377	L0102477	L0111561	L0102477	L0111561	L0212377
	Dilution Factor	5	1	1	2	1	1	5	1	5	1
	Sample Date	12/06/01	12/05/02	03/21/01	12/06/01	12/05/02	03/21/01	12/06/01	03/21/01	12/07/01	12/05/02
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
1,2,4-Trichlorobenzene		25 U	36	8.6 J	10 U	5.1	5.0 U	25 U	4.9 UJ	25 U	5 U
1,2-Dichlorobenzene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
1,3-Dichlorobenzene		25 U	5 U	11 J	10 U	7	5.0 U	25 U	4.9 UJ	25 U	5 U
1,4-Dichlorobenzene		25 U	6.9	33 J	10 U	20	5.0 U	25 U	8.6 J	25 U	9.1
1-Chloronaphthalene		25 U	6.6	25 J	10 U	19	5.0 U	25 U	6.6 J	25 U	9.5
1-Methylnaphthalene		25 U	9.9	26 J	10 U	18	5.0 U	25 U	13 J	25 U	15
2,4,5-Trichlorophenol		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
2,4,6-Trichlorophenol		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
2,4-Dichlorophenol		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
2,4-Dimethylphenol		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
2,4-Dinitrophenol		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
2,4-Dinitrotoluene		30 U	6 U	4.6 UJ	12 U	6 U	5.0 U	30 U	4.9 UJ	30 U	6 U
2,6-Dichlorophenol		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
2,6-Dinitrotoluene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
2-Chloronaphthalene		30 U	6 U	4.6 UJ	12 U	6 U	5.0 U	30 U	4.9 UJ	30 U	6 U
2-Chlorophenol		30 U	6 U	4.6 UJ	12 U	6 U	5.0 U	30 U	4.9 UJ	30 U	6 U
2-Methylnaphthalene		40 U	8 U	25 J	16 U	16	5.0 U	40 U	6.5 J	40 U	8 U
2-Methylphenol		30 U	6 U	4.6 UJ	12 U	6 U	5.0 U	30 U	4.9 UJ	30 U	6 U
2-Nitroaniline		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
2-Nitrophenol		100 U	20 U	9.3 UJ	40 U	20 U	10 U	100 U	9.8 UJ	100 U	20 U
2-Picoline		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
3,3-Dichlorobenzidine		250 UJ	50 U	46 UJ	100 UJ	50 U	50 U	250 UJ	49 UJ	250 UJ	50 U
3-Methylcholanthrene		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
3-Methylphenol/4-Methylphenol		30 U	6 U	4.6 UJ	12 U	6 U	5.0 U	30 U	4.9 UJ	30 U	6 U
3-Nitroaniline		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
4,6-Dinitro-2-methylphenol		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
4-Aminobiphenyl		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
4-Bromophenyl phenyl ether		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
4-Chloroaniline		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
4-Chlorophenyl phenyl ether		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
4-Nitroaniline		35 U	7 U	4.6 UJ	14 U	7 U	5.0 U	35 U	4.9 UJ	35 U	7 U
4-Nitrophenol		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
7,12-Dimethylbenz(a)anthracene		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
Acenaphthene		25 U	5 U	5.7 J	10 U	5 U	5.0 U	25 U	7.4 J	25 U	7.2

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	INF-OBG-1	OBG-1	OBG-2	INF-OBG-2	OBG-2	OBG-3	INF-OBG-3	TRENCH	Collection Trench	Shallow Trench
	SDG ID	L0111561	L0212377	L0102477	L0111561	L0212377	L0102477	L0111561	L0102477	L0111561	L0212377
	Dilution Factor	5	1	1	2	1	1	5	1	5	1
	Sample Date	12/06/01	12/05/02	03/21/01	12/06/01	12/05/02	03/21/01	12/06/01	03/21/01	12/07/01	12/05/02
	Units	ug/L	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	WATER
Acenaphthylene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Acetophenone		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
Aniline		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
Anthracene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Azobenzene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Benzidine		250 UJ	50 U	46 UJ	100 UJ	50 U	50 U	250 UJ	49 UJ	250 UJ	50 U
Benzo(a)anthracene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Benzo[a]pyrene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Benzo(b)fluoranthene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Benzo(e)pyrene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Benzo(ghi)perylene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Benzo(k)fluoranthene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Benzoic acid		250 UJ	50 U	46 UJ	100 UJ	50 U	50 U	250 UJ	49 UJ	250 UJ	50 U
Benzyl alcohol		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
Biphenyl		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
bis(2-Chloroethoxy)methane		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
bis(2-Chloroethyl)ether		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
2,2'-oxybis(1-Chloropropane)		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
bis(2-Ethylhexyl)phthalate (BEHP)		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
Butyl benzyl phthalate		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Carbazole		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Chlorobenzilate		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
Chrysene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Di-n-butyl phthalate		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Di-n-octyl phthalate		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Dibenzo(a,h)anthracene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Dibenzofuran		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Diethyl phthalate		25 U	12 U	4.6 UJ	10 U	12 U	5.0 U	25 U	4.9 UJ	25 U	12 U
Dimethoate		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
Dimethyl phthalate		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Ethyl methanesulfonate		75 U	15 U	14 UJ	30 U	15 U	15 U	75 U	15 UJ	75 U	15 U
Fluoranthene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Fluorene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Hexachlorobenzene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Hexachlorobutadiene		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	INF-OBG-1	OBG-1	OBG-2	INF-OBG-2	OBG-2	OBG-3	INF-OBG-3	TRENCH	Collection Trench	Shallow Trench
	SDG ID	L0111561	L0212377	L0102477	L0111561	L0212377	L0102477	L0111561	L0102477	L0111561	L0212377
	Dilution Factor	5	1	1	2	1	1	5	1	5	1
	Sample Date	12/06/01	12/05/02	03/21/01	12/06/01	12/05/02	03/21/01	12/06/01	03/21/01	12/07/01	12/05/02
	Units	ug/L	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	WATER
Hexachlorocyclopentadiene		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
Hexachloroethane		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Hexachloropropene		250 U	50 UJ	46 UJ	100 U	50 UJ	50 U	250 U	49 UJ	250 U	50 UJ
Indeno(1,2,3-cd)pyrene		35 U	7 U	4.6 UJ	14 U	7 U	5.0 U	35 U	4.9 UJ	35 U	7 U
Isodrin		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
Isophorone		25 U	7.4	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Methyl methanesulfonate		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
NDPA/DPA		75 U	15 U	47 J	30 U	31	5.0 U	75 U	14 J	75 U	19
Naphthalene		110	100	190 J	26	90	16	46	17 J	25 U	6.3
Nitrobenzene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Nitrosodi-n-butylamine		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
Nitrosodipiperidine		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
Pentachlorobenzene		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
PCNB		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
Pentachlorophenol		100 UJ	20 U	18 UJ	40 UJ	20 U	20 U	100 UJ	20 UJ	100 UJ	20 U
Perylene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Phenacetin		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U
Phenanthrene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5.3
Phenol		35 U	7 U	4.6 UJ	14 U	7 U	5.0 U	35 U	4.9 UJ	35 U	7 U
Pronamide		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
Pyrene		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
Pyridine		250 U	50 U	46 UJ	100 U	50 U	50 U	250 U	49 UJ	250 U	50 U
a,a-Dimethylphenethylamine		250 U	50 U	46 UJ	100 U	50 U	50 U	250 U	49 UJ	250 U	50 U
a-Naphthylamine		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
b-Naphthylamine		100 U	20 U	18 UJ	40 U	20 U	20 U	100 U	20 UJ	100 U	20 U
N-Nitrosodipropylamine		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
N-Nitrosodimethylamine		250 U	50 U	46 UJ	100 U	50 U	50 U	250 U	49 UJ	250 U	50 U
4-Chloro-3-methylphenol		25 U	5 U	4.6 UJ	10 U	5 U	5.0 U	25 U	4.9 UJ	25 U	5 U
p-Dimethylaminoazobenzene		50 U	10 U	9.3 UJ	20 U	10 U	10 U	50 U	9.8 UJ	50 U	10 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-2	MW-2	MW-4	MW-4	MW-4A	MW-4A	MW-5	MW-5	MW-5A	MW-5A
	SDG ID	3903	L0102408	3930	L0102674	3930	L0102627	3930	L0102630	3930	L0102630
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/12/99	03/19/01	11/15/99	03/26/01	11/15/99	03/24/01	11/16/99	03/26/01	11/16/99	03/26/01
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
1,2,4-Trichlorobenzene		53	15	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
1,2-Dichlorobenzene		2.6 J	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
1,3-Dichlorobenzene		20	8.5	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
1,4-Dichlorobenzene		59	24	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
1-Chloronaphthalene		—	5.0 U	—	4.8 U	—	5.0 U	—	4.3 U	—	4.3 U
1-Methylnaphthalene		—	5.0 U	—	4.8 U	—	5.0 U	—	4.3 U	—	4.3 U
2,4,5-Trichlorophenol		51 U	5.0 U	50 U	4.8 U	51 U	5.0 U	50 U	4.3 U	53 U	4.3 U
2,4,6-Trichlorophenol		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
2,4-Dichlorophenol		10 U	10 U	10 U	9.6 U	10 U	10 U	10 U	8.7 U	11 U	8.6 U
2,4-Dimethylphenol		10 U	10 U	10 U	9.6 U	10 U	10 U	10 U	8.7 U	11 U	8.6 U
2,4-Dinitrophenol		51 U	20 U	50 U	19 U	51 U	20 U	50 U	17 U	53 U	17 U
2,4-Dinitrotoluene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
2,6-Dichlorophenol		—	10 U	—	9.6 U	—	10 U	—	8.7 U	—	8.6 U
2,6-Dinitrotoluene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
2-Chloronaphthalene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
2-Chlorophenol		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
2-Methylnaphthalene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
2-Methylphenol		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
2-Nitroaniline		51 U	5.0 U	50 U	4.8 U	51 U	5.0 U	50 U	4.3 U	53 U	4.3 U
2-Nitrophenol		10 U	10 U	10 U	9.6 U	10 U	10 U	10 U	8.7 U	11 U	8.6 U
2-Picoline		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
3,3-Dichlorobenzidine		20 U	50 U	20 U	48 U	20 U	50 U	20 U	43 U	21 U	43 U
3-Methylcholanthrene		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
3-Methylphenol/4-Methylphenol		—	5.0 U	—	4.8 U	—	5.0 U	—	4.3 U	—	4.3 U
3-Nitroaniline		51 U	5.0 U	50 U	4.8 U	51 U	5.0 U	50 U	4.3 U	53 U	4.3 U
4,6-Dinitro-2-methylphenol		51 U	20 U	50 U	19 U	51 U	20 U	50 U	17 U	53 U	17 U
4-Aminobiphenyl		—	10 U	—	9.6 U	—	10 U	—	8.7 U	—	8.6 U
4-Bromophenyl phenyl ether		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
4-Chloroaniline		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
4-Chlorophenyl phenyl ether		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
4-Nitroaniline		51 U	5.0 U	50 U	4.8 U	51 U	5.0 U	50 U	4.3 U	53 U	4.3 U
4-Nitrophenol		51 U	10 U	50 U	9.6 U	51 U	10 U	50 U	8.7 U	53 U	8.6 U
7,12-Dimethylbenz(a)anthracene		—	10 U	—	9.6 U	—	10 U	—	8.7 U	—	8.6 U
Acenaphthene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-2	MW-2	MW-4	MW-4	MW-4A	MW-4A	MW-5	MW-5	MW-5A	MW-5A
	SDG ID	3903	L0102408	3930	L0102674	3930	L0102627	3930	L0102630	3930	L0102630
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/12/99	03/19/01	11/15/99	03/26/01	11/15/99	03/24/01	11/16/99	03/26/01	11/16/99	03/26/01
	Units	ug/L	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	WATER
Acenaphthylene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Acetophenone		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
Aniline		—	10 U	—	9.6 U	—	10 U	—	8.7 U	—	8.6 U
Anthracene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Azobenzene		—	5.0 U	—	4.8 U	—	5.0 U	—	4.3 U	—	4.3 U
Benzidine		—	50 U	—	48 U	—	50 U	—	43 U	—	43 U
Benzo(a)anthracene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Benzo[a]pyrene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Benzo(b)fluoranthene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Benzo(e)pyrene		—	5.0 U	—	4.8 U	—	5.0 U	—	4.3 U	—	4.3 U
Benzo(ghi)perylene		10 UJ	5.0 U	10 UJ	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Benzo(k)fluoranthene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Benzoic acid		—	50 U	—	48 U	—	50 U	—	43 U	—	43 U
Benzyl alcohol		—	10 U	—	9.6 U	—	10 U	—	8.7 U	—	8.6 U
Biphenyl		—	5.0 U	—	4.8 U	—	5.0 U	—	4.3 U	—	4.3 U
bis(2-Chloroethoxy)methane		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
bis(2-Chloroethyl)ether		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
2,2'-oxybis(1-Chloropropane)		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
bis(2-Ethylhexyl)phthalate (BEHP)		10 U	10 U	10 U	9.6 U	10 U	10 U	10 U	8.7 U	11 U	8.6 U
Butyl benzyl phthalate		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Carbazole		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Chlorobenzilate		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
Chrysene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Di-n-butyl phthalate		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Di-n-octyl phthalate		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Dibenzo(a,h)anthracene		10 UJ	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Dibenzofuran		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Diethyl phthalate		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Dimethoate		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
Dimethyl phthalate		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Ethyl methanesulfonate		—	15 U	—	14 U	—	15 U	—	13 U	—	13 U
Fluoranthene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Fluorene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Hexachlorobenzene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Hexachlorobutadiene		10 U	10 U	10 U	9.6 U	10 U	10 U	10 U	8.7 U	11 U	8.6 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-2	MW-2	MW-4	MW-4	MW-4A	MW-4A	MW-5	MW-5	MW-5A	MW-5A
	SDG ID	3903	L0102408	3930	L0102674	3930	L0102627	3930	L0102630	3930	L0102630
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/12/99	03/19/01	11/15/99	03/26/01	11/15/99	03/24/01	11/16/99	03/26/01	11/16/99	03/26/01
	Units	ug/L	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	WATER
Hexachlorocyclopentadiene		10 U	10 U	10 U	9.6 U	10 U	10 U	10 U	8.7 U	11 U	8.6 U
Hexachloroethane		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Hexachloropropene		—	50 U	—	48 U	—	50 U	—	43 U	—	43 U
Indeno(1,2,3-cd)pyrene		10 UJ	5.0 U	10 UJ	4.8 U	10 UJ	5.0 U	10 UJ	4.3 U	11 UJ	4.3 U
Isodrin		—	10 U	—	9.6 U	—	10 U	—	8.7 U	—	8.6 U
Isophorone		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Methyl methanesulfonate		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
NDPA/DPA		—	5.0 U	—	4.8 U	—	5.0 U	—	4.3 U	—	4.3 U
Naphthalene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Nitrobenzene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Nitrosodi-n-butylamine		—	10 U	—	9.6 U	—	10 U	—	8.7 U	—	8.6 U
Nitrosodipiperidine		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
Pentachlorobenzene		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
PCNB		—	10 U	—	9.6 U	—	10 U	—	8.7 U	—	8.6 U
Pentachlorophenol		51 U	20 U	50 U	19 U	51 U	20 U	50 U	17 U	53 U	17 U
Perylene		—	5.0 U	—	4.8 U	—	5.0 U	—	4.3 U	—	4.3 U
Phenacetin		—	10 U	—	9.6 U	—	10 U	—	8.7 U	—	8.6 U
Phenanthrene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Phenol		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Pronamide		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
Pyrene		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
Pyridine		—	50 U	—	48 U	—	50 U	—	43 U	—	43 U
a,a-Dimethylphenethylamine		—	50 U	—	48 U	—	50 U	—	43 U	—	43 U
a-Naphthylamine		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
b-Naphthylamine		—	20 U	—	19 U	—	20 U	—	17 U	—	17 U
N-Nitrosodipropylamine		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
N-Nitrosodimethylamine		—	50 U	—	48 U	—	50 U	—	43 U	—	43 U
4-Chloro-3-methylphenol		10 U	5.0 U	10 U	4.8 U	10 U	5.0 U	10 U	4.3 U	11 U	4.3 U
p-Dimethylaminoazobenzene		—	10 U	—	9.6 U	—	10 U	—	8.7 U	—	8.6 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-6	MW-6	MW-6A	MW-6A	MW-8	MW-8	MW-8A	MW-8A	MW-10	MW-10A
	SDG ID	3970	L0102437	3930	L0102437	3930	L0102437	3930	L0102437	L0102479	L0102674
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/17/99	03/20/01	11/16/99	03/20/01	11/15/99	03/20/01	11/15/99	03/20/01	03/21/01	03/27/01
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
1,2,4-Trichlorobenzene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
1,2-Dichlorobenzene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
1,3-Dichlorobenzene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
1,4-Dichlorobenzene		5.6 J	5.0 U	4.6 J	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
1-Chloronaphthalene		—	5.0 U	—	5.0 U	—	5.0 UJ	—	5.0 UJ	5.0 U	4.7 U
1-Methylnaphthalene		—	5.0 U	—	5.0 U	—	5.0 UJ	—	5.0 UJ	5.0 U	4.7 U
2,4,5-Trichlorophenol		51 U	5.0 U	53 U	5.0 U	50 U	5.0 UJ	51 U	5.0 UJ	5.0 U	4.7 U
2,4,6-Trichlorophenol		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
2,4-Dichlorophenol		10 U	10 U	11 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	9.5 U
2,4-Dimethylphenol		10 U	10 U	11 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	9.5 U
2,4-Dinitrophenol		51 U	20 U	53 U	20 U	50 U	20 UJ	51 U	20 UJ	20 U	19 U
2,4-Dinitrotoluene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
2,6-Dichlorophenol		—	10 U	—	10 U	—	10 UJ	—	10 UJ	10 U	9.5 U
2,6-Dinitrotoluene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
2-Chloronaphthalene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
2-Chlorophenol		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
2-Methylnaphthalene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
2-Methylphenol		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
2-Nitroaniline		51 U	5.0 U	53 U	5.0 U	50 U	5.0 UJ	51 U	5.0 UJ	5.0 U	4.7 U
2-Nitrophenol		10 U	10 U	11 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	9.5 U
2-Picoline		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
3,3-Dichlorobenzidine		20 U	50 U	21 U	50 U	20 U	50 UJ	21 U	50 UJ	50 U	47 U
3-Methylcholanthrene		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
3-Methylphenol/4-Methylphenol		—	5.0 U	—	5.0 U	—	5.0 UJ	—	5.0 UJ	5.0 U	4.7 U
3-Nitroaniline		51 U	5.0 U	53 U	5.0 U	50 U	5.0 UJ	51 U	5.0 UJ	5.0 U	4.7 U
4,6-Dinitro-2-methylphenol		51 U	20 U	53 U	20 U	50 U	20 UJ	51 U	20 UJ	20 U	19 U
4-Aminobiphenyl		—	10 U	—	10 U	—	10 UJ	—	10 UJ	10 U	9.5 U
4-Bromophenyl phenyl ether		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
4-Chloroaniline		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
4-Chlorophenyl phenyl ether		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
4-Nitroaniline		51 U	5.0 U	53 U	5.0 U	50 U	5.0 UJ	51 U	5.0 UJ	5.0 U	4.7 U
4-Nitrophenol		51 U	10 U	53 U	10 U	50 U	10 UJ	51 U	10 UJ	10 U	9.5 U
7,12-Dimethylbenz(a)anthracene		—	10 U	—	10 U	—	10 UJ	—	10 UJ	10 U	9.5 U
Acenaphthene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-6	MW-6	MW-6A	MW-6A	MW-8	MW-8	MW-8A	MW-8A	MW-10	MW-10A
	SDG ID	3970	L0102437	3930	L0102437	3930	L0102437	3930	L0102437	L0102479	L0102674
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/17/99	03/20/01	11/16/99	03/20/01	11/15/99	03/20/01	11/15/99	03/20/01	03/21/01	03/27/01
	Units	ug/L	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	WATER
Acenaphthylene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Acetophenone		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
Aniline		—	10 U	—	10 U	—	10 UJ	—	10 UJ	10 U	9.5 U
Anthracene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Azobenzene		—	5.0 U	—	5.0 U	—	5.0 UJ	—	5.0 UJ	5.0 U	4.7 U
Benzidine		—	50 U	—	50 U	—	50 UJ	—	50 UJ	50 U	47 U
Benzo(a)anthracene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Benzo[a]pyrene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Benzo(b)fluoranthene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Benzo(e)pyrene		—	5.0 U	—	5.0 U	—	5.0 UJ	—	5.0 UJ	5.0 U	4.7 U
Benzo(ghi)perylene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Benzo(k)fluoranthene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Benzoic acid		—	50 U	—	50 U	—	50 UJ	—	50 UJ	50 U	47 U
Benzyl alcohol		—	10 U	—	10 U	—	10 UJ	—	10 UJ	10 U	9.5 U
Biphenyl		—	5.0 U	—	5.0 U	—	5.0 UJ	—	5.0 UJ	5.0 U	4.7 U
bis(2-Chloroethoxy)methane		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
bis(2-Chloroethyl)ether		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
2,2'-oxybis(1-Chloropropane)		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
bis(2-Ethylhexyl)phthalate (BEHP)		10 U	10 U	11 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	9.5 U
Butyl benzyl phthalate		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Carbazole		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Chlorobenzilate		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
Chrysene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Di-n-butyl phthalate		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Di-n-octyl phthalate		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Dibenzo(a,h)anthracene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Dibenzofuran		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Diethyl phthalate		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Dimethoate		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
Dimethyl phthalate		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Ethyl methanesulfonate		—	15 U	—	15 U	—	15 UJ	—	15 UJ	15 U	14 U
Fluoranthene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Fluorene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Hexachlorobenzene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Hexachlorobutadiene		10 U	10 U	11 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	9.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-6	MW-6	MW-6A	MW-6A	MW-8	MW-8	MW-8A	MW-8A	MW-10	MW-10A
	SDG ID	3970	L0102437	3930	L0102437	3930	L0102437	3930	L0102437	L0102479	L0102674
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/17/99	03/20/01	11/16/99	03/20/01	11/15/99	03/20/01	11/15/99	03/20/01	03/21/01	03/27/01
	Units	ug/L	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	WATER
Hexachlorocyclopentadiene		10 U	10 U	11 U	10 U	10 U	10 UJ	10 U	10 UJ	10 U	9.5 U
Hexachloroethane		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Hexachloropropene		—	50 U	—	50 U	—	50 UJ	—	50 UJ	50 U	47 U
Indeno(1,2,3-cd)pyrene		10 U	5.0 U	11 UJ	5.0 U	10 UJ	5.0 UJ	10 UJ	5.0 UJ	5.0 U	4.7 U
Isodrin		—	10 U	—	10 U	—	10 UJ	—	10 UJ	10 U	9.5 U
Isophorone		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Methyl methanesulfonate		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
NDPA/DPA		—	5.0 U	—	5.0 U	—	5.0 UJ	—	5.0 UJ	5.0 U	4.7 U
Naphthalene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Nitrobenzene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Nitrosodi-n-butylamine		—	10 U	—	10 U	—	10 UJ	—	10 UJ	10 U	9.5 U
Nitrosodipiperidine		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
Pentachlorobenzene		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
PCNB		—	10 U	—	10 U	—	10 UJ	—	10 UJ	10 U	9.5 U
Pentachlorophenol		51 U	20 U	53 U	20 U	50 U	20 UJ	51 U	20 UJ	20 U	19 U
Perylene		—	5.0 U	—	5.0 U	—	5.0 UJ	—	5.0 UJ	5.0 U	4.7 U
Phenacetin		—	10 U	—	10 U	—	10 UJ	—	10 UJ	10 U	9.5 U
Phenanthrene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Phenol		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Pronamide		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
Pyrene		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
Pyridine		—	50 U	—	50 U	—	50 UJ	—	50 UJ	50 U	47 U
a,a-Dimethylphenethylamine		—	50 U	—	50 U	—	50 UJ	—	50 UJ	50 U	47 U
a-Naphthylamine		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
b-Naphthylamine		—	20 U	—	20 U	—	20 UJ	—	20 UJ	20 U	19 U
N-Nitrosodipropylamine		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
N-Nitrosodimethylamine		—	50 U	—	50 U	—	50 UJ	—	50 UJ	50 U	47 U
4-Chloro-3-methylphenol		10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ	10 U	5.0 UJ	5.0 U	4.7 U
p-Dimethylaminoazobenzene		—	10 U	—	10 U	—	10 UJ	—	10 UJ	10 U	9.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-10B	MW-12	MW-12AR	MW-13	MW-13	MW-13A	MW-13A	MW-14	MW-14	MW-15
	SDG ID	L0102479	3958	L0102630	3970	L0102597	3970	L0102597	3903	L0102408	3886
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/21/01	11/18/99	03/26/01	11/17/99	03/23/01	11/17/99	03/23/01	11/12/99	03/19/01	11/10/99
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
1,2,4-Trichlorobenzene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
1,2-Dichlorobenzene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
1,3-Dichlorobenzene		4.6 UJ	10 UJ	4.2 U	10 U	4.1 U	10 U	4.1 U	4.8 J	5.0 U	11 U
1,4-Dichlorobenzene		4.6 UJ	5.9 J	6.3	10 U	4.1 U	10 U	4.1 U	17	8.1	11 U
1-Chloronaphthalene		4.6 UJ	—	19	—	4.1 U	—	4.1 U	—	5.0 U	—
1-Methylnaphthalene		4.6 UJ	—	8.6	—	4.1 U	—	4.1 U	—	5.0 U	—
2,4,5-Trichlorophenol		4.6 UJ	51 U	4.2 U	51 U	4.1 U	52 U	4.1 U	52 U	5.0 U	53 U
2,4,6-Trichlorophenol		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
2,4-Dichlorophenol		9.3 UJ	10 U	8.3 U	10 U	8.2 U	10 U	8.2 U	10 U	10 U	11 U
2,4-Dimethylphenol		9.3 UJ	10 U	8.3 U	10 U	8.2 U	10 U	8.2 U	10 U	10 U	11 U
2,4-Dinitrophenol		18 UJ	51 U	17 U	51 U	16 U	52 U	16 U	52 U	20 U	53 U
2,4-Dinitrotoluene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
2,6-Dichlorophenol		9.3 UJ	—	8.3 U	—	8.2 U	—	8.2 U	—	10 U	—
2,6-Dinitrotoluene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
2-Chloronaphthalene		4.6 UJ	8.6 J	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
2-Chlorophenol		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
2-Methylnaphthalene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
2-Methylphenol		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
2-Nitroaniline		4.6 UJ	51 U	4.2 U	51 U	4.1 U	52 U	4.1 U	52 U	5.0 U	53 U
2-Nitrophenol		9.3 UJ	10 U	8.3 U	10 U	8.2 U	10 U	8.2 U	10 U	10 U	11 U
2-Picoline		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
3,3-Dichlorobenzidine		46 UJ	21 U	42 U	20 U	41 U	21 U	41 U	21 U	50 U	21 U
3-Methylcholanthrene		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
3-Methylphenol/4-Methylphenol		4.6 UJ	—	4.2 U	—	4.1 U	—	4.1 U	—	5.0 U	—
3-Nitroaniline		4.6 UJ	51 U	4.2 U	51 U	4.1 U	52 U	4.1 U	52 U	5.0 U	53 U
4,6-Dinitro-2-methylphenol		18 UJ	51 U	17 U	51 U	16 U	52 U	16 U	52 U	20 U	53 U
4-Aminobiphenyl		9.3 UJ	—	8.3 U	—	8.2 U	—	8.2 U	—	10 U	—
4-Bromophenyl phenyl ether		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
4-Chloroaniline		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
4-Chlorophenyl phenyl ether		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
4-Nitroaniline		4.6 UJ	51 U	4.2 U	51 U	4.1 U	52 U	4.1 U	52 U	5.0 U	53 U
4-Nitrophenol		9.3 UJ	51 U	8.3 U	51 U	8.2 U	52 U	8.2 U	52 U	10 U	53 U
7,12-Dimethylbenz(a)anthracene		9.3 UJ	—	8.3 U	—	8.2 U	—	8.2 U	—	10 U	—
Acenaphthene		4.6 UJ	3.1 J	4.2 U	10 U	4.1 U	10 U	4.1 U	2.8 J	5.0 U	11 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-10B	MW-12	MW-12AR	MW-13	MW-13	MW-13A	MW-13A	MW-14	MW-14	MW-15
	SDG ID	L0102479	3958	L0102630	3970	L0102597	3970	L0102597	3903	L0102408	3886
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/21/01	11/18/99	03/26/01	11/17/99	03/23/01	11/17/99	03/23/01	11/12/99	03/19/01	11/10/99
	Units	ug/L	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	WATER
Acenaphthylene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Acetophenone		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
Aniline		9.3 UJ	—	8.3 U	—	8.2 U	—	8.2 U	—	10 U	—
Anthracene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Azobenzene		4.6 UJ	—	4.2 U	—	4.1 U	—	4.1 U	—	5.0 U	—
Benzidine		46 UJ	—	42 U	—	41 U	—	41 U	—	50 U	—
Benzo(a)anthracene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Benzo[a]pyrene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Benzo(b)fluoranthene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Benzo(e)pyrene		4.6 UJ	—	4.2 U	—	4.1 U	—	4.1 U	—	5.0 U	—
Benzo(ghi)perylene		4.6 UJ	10 UJ	4.2 U	10 U	4.1 U	10 U	4.1 U	10 UJ	5.0 U	11 UJ
Benzo(k)fluoranthene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Benzoic acid		46 UJ	—	42 U	—	41 U	—	41 U	—	50 U	—
Benzyl alcohol		9.3 UJ	—	8.3 U	—	8.2 U	—	8.2 U	—	10 U	—
Biphenyl		4.6 UJ	—	4.2 U	—	4.1 U	—	4.1 U	—	5.0 U	—
bis(2-Chloroethoxy)methane		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
bis(2-Chloroethyl)ether		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
2,2'-oxybis(1-Chloropropane)		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
bis(2-Ethylhexyl)phthalate (BEHP)		9.3 UJ	10 U	8.3 U	10 U	8.2 U	10 U	8.2 U	10 U	10 U	11 U
Butyl benzyl phthalate		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Carbazole		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Chlorobenzilate		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
Chrysene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Di-n-butyl phthalate		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Di-n-octyl phthalate		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Dibenzo(a,h)anthracene		4.6 UJ	10 UJ	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 UJ
Dibenzofuran		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Diethyl phthalate		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Dimethoate		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
Dimethyl phthalate		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Ethyl methanesulfonate		14 UJ	—	12 U	—	12 U	—	12 U	—	15 U	—
Fluoranthene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Fluorene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Hexachlorobenzene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Hexachlorobutadiene		9.3 UJ	10 UJ	8.3 U	10 U	8.2 U	10 U	8.2 U	10 U	10 U	11 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

	Sample ID	MW-10B	MW-12	MW-12AR	MW-13	MW-13	MW-13A	MW-13A	MW-14	MW-14	MW-15
	SDG ID	L0102479	3958	L0102630	3970	L0102597	3970	L0102597	3903	L0102408	3886
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/21/01	11/18/99	03/26/01	11/17/99	03/23/01	11/17/99	03/23/01	11/12/99	03/19/01	11/10/99
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Hexachlorocyclopentadiene		9.3 UJ	10 U	8.3 U	10 U	8.2 U	10 U	8.2 U	10 U	10 U	11 U
Hexachloroethane		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Hexachloropropene		46 UJ	—	42 U	—	41 U	—	41 U	—	50 U	—
Indeno(1,2,3-cd)pyrene		4.6 UJ	10 UJ	4.2 U	10 U	4.1 U	10 U	4.1 U	10 UJ	5.0 U	11 UJ
Isodrin		9.3 UJ	—	8.3 U	—	8.2 U	—	8.2 U	—	10 U	—
Isophorone		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Methyl methanesulfonate		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
NDPA/DPA		4.6 UJ	—	14	—	4.1 U	—	4.1 U	—	5.0 U	—
Naphthalene		4.6 UJ	4.5 J	4.2 U	10 U	4.1 U	10 U	4.1 U	40	55	11 U
Nitrobenzene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Nitrosodi-n-butylamine		9.3 UJ	—	8.3 U	—	8.2 U	—	8.2 U	—	10 U	—
Nitrosodipiperidine		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
Pentachlorobenzene		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
PCNB		9.3 UJ	—	8.3 U	—	8.2 U	—	8.2 U	—	10 U	—
Pentachlorophenol		18 UJ	51 U	17 U	51 U	16 U	52 U	16 U	52 U	20 U	53 U
Perylene		4.6 UJ	—	4.2 U	—	4.1 U	—	4.1 U	—	5.0 U	—
Phenacetin		9.3 UJ	—	8.3 U	—	8.2 U	—	8.2 U	—	10 U	—
Phenanthrene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Phenol		4.6 UJ	3.7 J	4.2 U	10 U	4.1 U	10 U	4.1 U	27	5.0 U	11 U
Pronamide		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
Pyrene		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
Pyridine		46 UJ	—	42 U	—	41 U	—	41 U	—	50 U	—
a,a-Dimethylphenethylamine		46 UJ	—	42 U	—	41 U	—	41 U	—	50 U	—
a-Naphthylamine		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
b-Naphthylamine		18 UJ	—	17 U	—	16 U	—	16 U	—	20 U	—
N-Nitrosodipropylamine		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
N-Nitrosodimethylamine		46 UJ	—	42 U	—	41 U	—	41 U	—	50 U	—
4-Chloro-3-methylphenol		4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U	4.1 U	10 U	5.0 U	11 U
p-Dimethylaminoazobenzene		9.3 UJ	—	8.3 U	—	8.2 U	—	8.2 U	—	10 U	—

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-15	MW-16	MW-16	MW-17	MW-17	MW-22A	MW-22A	MW-24	MW-24	GCA-1
	SDG ID	L0102408	3886	L0102479	3958	L0102674	3970	L0102674	3886	L0102408	3958
	Dilution Factor	1	1	1	1	1	10	1	1	1	1
	Sample Date	03/19/01	11/11/99	03/21/01	11/18/99	03/27/01	11/17/99	03/27/01	11/11/99	03/19/01	11/18/99
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
1,2,4-Trichlorobenzene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	4.1 J
1,2-Dichlorobenzene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	3.7 J
1,3-Dichlorobenzene		5.0 U	11 U	5.0 U	10 UJ	4.7 U	4.3 J	4.6 U	3.2 J	5.0 U	12 J
1,4-Dichlorobenzene		5.0 U	11 U	5.0 U	10 U	4.7 U	12	17	11	9.8	36
1-Chloronaphthalene		5.0 U	—	5.0 U	—	4.7 U	—	4.6 U	—	5.0 U	—
1-Methylnaphthalene		5.0 U	—	5.0 U	—	4.7 U	—	4.6 U	—	5.0 U	—
2,4,5-Trichlorophenol		5.0 U	53 U	5.0 U	52 U	4.7 U	53 U	4.6 U	52 U	5.0 U	53 U
2,4,6-Trichlorophenol		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
2,4-Dichlorophenol		10 U	11 U	10 U	10 U	9.4 U	11 U	9.3 U	10 U	10 U	11 U
2,4-Dimethylphenol		10 U	11 U	10 U	10 U	9.4 U	140	21	10 U	10 U	11 U
2,4-Dinitrophenol		20 U	53 U	20 U	52 U	19 U	53 U	18 U	52 U	20 U	53 U
2,4-Dinitrotoluene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
2,6-Dichlorophenol		10 U	—	10 U	—	9.4 U	—	9.3 U	—	10 U	—
2,6-Dinitrotoluene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
2-Chloronaphthalene		5.0 U	11 U	5.0 U	10 U	4.7 U	270	4.6 U	10 U	5.0 U	29
2-Chlorophenol		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
2-Methylnaphthalene		5.0 U	11 U	5.0 U	10 U	4.7 U	100	4.6 U	10 U	5.0 U	15
2-Methylphenol		5.0 U	11 U	5.0 U	10 U	4.7 U	36	24	10 U	5.0 U	11 U
2-Nitroaniline		5.0 U	53 U	5.0 U	52 U	4.7 U	53 U	4.6 U	52 U	5.0 U	53 U
2-Nitrophenol		10 U	11 U	10 U	10 U	9.4 U	11 U	9.3 U	10 U	10 U	11 U
2-Picoline		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
3,3-Dichlorobenzidine		50 U	21 U	50 U	21 U	47 U	21 U	46 U	21 U	50 U	21 U
3-Methylcholanthrene		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
3-Methylphenol/4-Methylphenol		5.0 U	—	5.0 U	—	4.7 U	—	46	—	5.0 U	—
3-Nitroaniline		5.0 U	53 U	5.0 U	52 U	4.7 U	53 U	4.6 U	52 U	5.0 U	53 U
4,6-Dinitro-2-methylphenol		20 U	53 U	20 U	52 U	19 U	53 U	18 U	52 U	20 U	53 U
4-Aminobiphenyl		10 U	—	10 U	—	9.4 U	—	9.3 U	—	10 U	—
4-Bromophenyl phenyl ether		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
4-Chloroaniline		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
4-Chlorophenyl phenyl ether		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
4-Nitroaniline		5.0 U	53 U	5.0 U	52 U	4.7 U	53 U	4.6 U	52 U	5.0 U	53 U
4-Nitrophenol		10 U	53 U	10 U	52 U	9.4 U	53 U	9.3 U	52 U	10 U	53 U
7,12-Dimethylbenz(a)anthracene		10 U	—	10 U	—	9.4 U	—	9.3 U	—	10 U	—
Acenaphthene		5.0 U	11 U	5.0 U	10 U	4.7 U	16	9.1	10 U	5.0 U	3.9 J

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-15	MW-16	MW-16	MW-17	MW-17	MW-22A	MW-22A	MW-24	MW-24	GCA-1
	SDG ID	L0102408	3886	L0102479	3958	L0102674	3970	L0102674	3886	L0102408	3958
	Dilution Factor	1	1	1	1	1	10	1	1	1	1
	Sample Date	03/19/01	11/11/99	03/21/01	11/18/99	03/27/01	11/17/99	03/27/01	11/11/99	03/19/01	11/18/99
	Units	ug/L	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	WATER
Acenaphthylene		5.0 U	11 U	5.0 U	10 U	4.7 U	3.1 J	4.6 U	10 U	5.0 U	11 U
Acetophenone		20 U	—	20 U	—	19 U	—	20	—	20 U	—
Aniline		10 U	—	10 U	—	9.4 U	—	9.3 U	—	10 U	—
Anthracene		5.0 U	11 U	5.0 U	10 U	4.7 U	2.1 J	4.6 U	10 U	5.0 U	11 U
Azobenzene		5.0 U	—	5.0 U	—	4.7 U	—	4.6 U	—	5.0 U	—
Benzidine		50 U	—	50 U	—	47 U	—	46 U	—	50 U	—
Benzo(a)anthracene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Benzo[a]pyrene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 UJ	4.6 U	10 U	5.0 U	11 UJ
Benzo(b)fluoranthene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 UJ	4.6 U	10 U	5.0 U	11 UJ
Benzo(e)pyrene		5.0 U	—	5.0 U	—	4.7 U	—	4.6 U	—	5.0 U	—
Benzo(ghi)perylene		5.0 U	11 UJ	5.0 U	10 UJ	4.7 U	11 UJ	4.6 U	10 UJ	5.0 U	11 UJ
Benzo(k)fluoranthene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 UJ	4.6 U	10 U	5.0 U	11 UJ
Benzoic acid		50 U	—	50 U	—	47 U	—	46 U	—	50 U	—
Benzyl alcohol		10 U	—	10 U	—	9.4 U	—	9.3 U	—	10 U	—
Biphenyl		5.0 U	—	5.0 U	—	4.7 U	—	4.6 U	—	5.0 U	—
bis(2-Chloroethoxy)methane		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
bis(2-Chloroethyl)ether		5.0 U	11 U	5.0 U	10 U	4.7 U	26	4.6 U	10 U	5.0 U	11 U
2,2'-oxybis(1-Chloropropane)		5.0 U	11 U	5.0 U	10 U	4.7 U	63	53	10 U	5.0 U	11 U
bis(2-Ethylhexyl)phthalate (BEHP)		10 U	11 U	10 U	15	9.4 U	11 U	9.3 U	10 U	10 U	11 U
Butyl benzyl phthalate		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Carbazole		5.0 U	11 U	5.0 U	10 U	4.7 U	8.6 J	4.6 U	10 U	5.0 U	11 U
Chlorobenzilate		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
Chrysene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Di-n-butyl phthalate		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Di-n-octyl phthalate		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Dibenzo(a,h)anthracene		5.0 U	11 UJ	5.0 U	10 UJ	4.7 U	11 UJ	4.6 U	10 UJ	5.0 U	11 UJ
Dibenzofuran		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Diethyl phthalate		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Dimethoate		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
Dimethyl phthalate		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Ethyl methanesulfonate		15 U	—	15 U	—	14 U	—	14 U	—	15 U	—
Fluoranthene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Fluorene		5.0 U	11 U	5.0 U	10 U	4.7 U	5.5 J	4.6 U	10 U	5.0 U	11 U
Hexachlorobenzene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Hexachlorobutadiene		10 U	11 U	10 U	10 UJ	9.4 U	11 U	9.3 U	10 U	10 U	11 UJ

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	MW-15	MW-16	MW-16	MW-17	MW-17	MW-22A	MW-22A	MW-24	MW-24	GCA-1
	SDG ID	L0102408	3886	L0102479	3958	L0102674	3970	L0102674	3886	L0102408	3958
	Dilution Factor	1	1	1	1	1	10	1	1	1	1
	Sample Date	03/19/01	11/11/99	03/21/01	11/18/99	03/27/01	11/17/99	03/27/01	11/11/99	03/19/01	11/18/99
	Units	ug/L	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	WATER
Hexachlorocyclopentadiene		10 U	11 U	10 U	10 U	9.4 U	11 U	9.3 U	10 U	10 U	11 U
Hexachloroethane		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Hexachloropropene		50 U	—	50 U	—	47 U	—	46 U	—	50 U	—
Indeno(1,2,3-cd)pyrene		5.0 U	11 UJ	5.0 U	10 UJ	4.7 U	11 UJ	4.6 U	10 UJ	5.0 U	11 UJ
Isodrin		10 U	—	10 U	—	9.4 U	—	9.3 U	—	10 U	—
Isophorone		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Methyl methanesulfonate		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
NDPA/DPA		5.0 U	—	5.0 U	—	4.7 U	—	4.6 U	—	5.0 U	—
Naphthalene		6.0	11 U	5.0 U	10 U	4.7 U	1200	5.6	3.0 J	16	100
Nitrobenzene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Nitrosodi-n-butylamine		10 U	—	10 U	—	9.4 U	—	9.3 U	—	10 U	—
Nitrosodipiperidine		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
Pentachlorobenzene		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
PCNB		10 U	—	10 U	—	9.4 U	—	9.3 U	—	10 U	—
Pentachlorophenol		20 U	53 U	20 U	52 U	19 U	53 U	18 U	52 U	20 U	53 U
Perylene		5.0 U	—	5.0 U	—	4.7 U	—	4.6 U	—	5.0 U	—
Phenacetin		10 U	—	10 U	—	9.4 U	—	9.3 U	—	10 U	—
Phenanthrene		5.0 U	11 U	5.0 U	10 U	4.7 U	4.7 J	4.6 U	10 U	5.0 U	11 U
Phenol		5.0 U	11 U	5.0 U	10 U	4.7 U	200	34	45	14	5.7 J
Pronamide		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
Pyrene		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
Pyridine		50 U	—	50 U	—	47 U	—	46 U	—	50 U	—
a,a-Dimethylphenethylamine		50 U	—	50 U	—	47 U	—	46 U	—	50 U	—
a-Naphthylamine		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
b-Naphthylamine		20 U	—	20 U	—	19 U	—	18 U	—	20 U	—
N-Nitrosodipropylamine		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
N-Nitrosodimethylamine		50 U	—	50 U	—	47 U	—	46 U	—	50 U	—
4-Chloro-3-methylphenol		5.0 U	11 U	5.0 U	10 U	4.7 U	11 U	4.6 U	10 U	5.0 U	11 U
p-Dimethylaminoazobenzene		10 U	—	10 U	—	9.4 U	—	9.3 U	—	10 U	—

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	GCA-1	GWTP COMP	ECJ-1-37	ECJ-1-35' 1635	ECJ-1-62	ECJ-1-60' 1545	ECJ-1-72	ECJ-1-70' 1430	ECJ-1-122	ECJ-1-120' 1200
	SDG ID	L0102627	L0212246	4237	L0102627	4237	L0102627	4237	L0102625	4237	L0102625
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/23/01	12/03/02	12/19/99	03/24/01	12/18/99	03/24/01	12/18/99	03/24/01	12/18/99	03/24/01
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
1,2,4-Trichlorobenzene		4.0 U	5 U	12	4.0 U	74	4.3 U	90	4.6 U	3.1 J	4.2 U
1,2-Dichlorobenzene		4.0 U	5 U	10 U	4.0 U	7.2 J	4.3 U	10 J	4.6 U	5.9 J	4.2 U
1,3-Dichlorobenzene		4.0 U	5 U	6.0 J	4.0 U	21 J	4.3 U	17 J	4.6 U	18 J	9.4
1,4-Dichlorobenzene		4.0 U	5.5	12	4.0 U	12	4.3 U	9.8 J	21	50	33
1-Chloronaphthalene		13	5 U	—	4.0 U	—	4.3 U	—	4.6 U	—	4.2 U
1-Methylnaphthalene		5.2	9.5	—	4.0 U	—	4.3 U	—	4.6 U	—	6.5
2,4,5-Trichlorophenol		4.0 U	5 U	52 U	4.0 U	55 U	4.3 U	54 U	4.6 U	52 UJ	4.2 U
2,4,6-Trichlorophenol		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 UJ	4.2 U
2,4-Dichlorophenol		8.0 U	10 U	10 U	8.1 U	11 U	8.7 U	11 U	9.2 U	10 UJ	8.4 U
2,4-Dimethylphenol		8.0 U	10 U	10 U	8.1 U	11 U	8.7 U	11 U	9.2 U	10 UJ	8.4 U
2,4-Dinitrophenol		16 U	20 U	52 U	16 U	55 U	17 U	54 U	18 U	52 UJ	17 U
2,4-Dinitrotoluene		4.0 U	6 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
2,6-Dichlorophenol		8.0 U	10 U	—	8.1 U	—	8.7 U	—	9.2 U	—	8.4 U
2,6-Dinitrotoluene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
2-Chloronaphthalene		4.0 U	6 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
2-Chlorophenol		4.0 U	6 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 UJ	4.2 U
2-Methylnaphthalene		4.0 U	8 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	6.0
2-Methylphenol		4.0 U	6 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	2.2 J	4.2 U
2-Nitroaniline		4.0 U	5 U	52 U	4.0 U	55 U	4.3 U	54 U	4.6 U	52 U	4.2 U
2-Nitrophenol		8.0 U	20 U	10 U	8.1 U	11 U	8.7 U	11 U	9.2 U	10 UJ	8.4 U
2-Picoline		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
3,3-Dichlorobenzidine		40 U	50 U	21 U	40 U	22 U	43 U	22 U	46 U	21 U	42 U
3-Methylcholanthrene		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
3-Methylphenol/4-Methylphenol		4.0 U	6 U	—	4.0 U	—	4.3 U	—	4.6 U	—	4.2 U
3-Nitroaniline		4.0 U	5 U	52 U	4.0 U	55 U	4.3 U	54 U	4.6 U	52 U	4.2 U
4,6-Dinitro-2-methylphenol		16 U	20 U	52 U	16 U	55 U	17 U	54 U	18 U	52 UJ	17 U
4-Aminobiphenyl		8.0 U	10 U	—	8.1 U	—	8.7 U	—	9.2 U	—	8.4 U
4-Bromophenyl phenyl ether		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
4-Chloroaniline		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
4-Chlorophenyl phenyl ether		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
4-Nitroaniline		4.0 U	7 U	52 U	4.0 U	55 U	4.3 U	54 U	4.6 U	52 U	4.2 U
4-Nitrophenol		8.0 U	10 U	52 U	8.1 U	55 U	8.7 U	54 U	9.2 U	52 UJ	8.4 U
7,12-Dimethylbenz(a)anthracene		8.0 U	10 U	—	8.1 U	—	8.7 U	—	9.2 U	—	8.4 U
Acenaphthene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	GCA-1	GWTP COMP	ECJ-1-37	ECJ-1-35' 1635	ECJ-1-62	ECJ-1-60' 1545	ECJ-1-72	ECJ-1-70' 1430	ECJ-1-122	ECJ-1-120' 1200
	SDG ID	L0102627	L0212246	4237	L0102627	4237	L0102627	4237	L0102625	4237	L0102625
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/23/01	12/03/02	12/19/99	03/24/01	12/18/99	03/24/01	12/18/99	03/24/01	12/18/99	03/24/01
	Units	ug/L	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	WATER
Acenaphthylene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Acetophenone		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
Aniline		8.0 U	10 U	—	8.1 U	—	8.7 U	—	9.2 U	—	8.4 U
Anthracene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Azobenzene		4.0 U	5 U	—	4.0 U	—	4.3 U	—	4.6 U	—	4.2 U
Benzidine		40 U	50 U	—	40 U	—	43 U	—	46 U	—	42 U
Benzo(a)anthracene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Benzo[a]pyrene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Benzo(b)fluoranthene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Benzo(e)pyrene		4.0 U	5 U	—	4.0 U	—	4.3 U	—	4.6 U	—	4.2 U
Benzo(ghi)perylene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Benzo(k)fluoranthene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Benzoic acid		40 U	50 U	—	40 U	—	43 U	—	46 U	—	42 U
Benzyl alcohol		8.0 U	10 U	—	8.1 U	—	8.7 U	—	9.2 U	—	8.4 U
Biphenyl		4.0 U	5 U	—	4.0 U	—	4.3 U	—	4.6 U	—	4.2 U
bis(2-Chloroethoxy)methane		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
bis(2-Chloroethyl)ether		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
2,2'-oxybis(1-Chloropropane)		4.0 U	5 U	10 UJ	4.0 U	11 UJ	4.3 U	11 UJ	4.6 U	10 UJ	4.2 U
bis(2-Ethylhexyl)phthalate (BEHP)		8.0 U	10 U	10 U	8.1 U	11 U	8.7 U	11 U	9.2 U	10 U	8.4 U
Butyl benzyl phthalate		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Carbazole		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Chlorobenzilate		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
Chrysene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Di-n-butyl phthalate		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Di-n-octyl phthalate		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Dibenzo(a,h)anthracene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Dibenzofuran		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Diethyl phthalate		4.0 U	5.4	10 U	4.0 U	11 U	4.3 U	3.7 J	4.6 U	2.7 J	4.2 U
Dimethoate		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
Dimethyl phthalate		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Ethyl methanesulfonate		12 U	15 U	—	12 U	—	13 U	—	14 U	—	12 U
Fluoranthene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Fluorene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Hexachlorobenzene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Hexachlorobutadiene		8.0 U	10 U	10 UJ	8.1 U	11 UJ	8.7 U	11 UJ	9.2 U	10 UJ	8.4 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	GCA-1	GWTP COMP	ECJ-1-37	ECJ-1-35' 1635	ECJ-1-62	ECJ-1-60' 1545	ECJ-1-72	ECJ-1-70' 1430	ECJ-1-122	ECJ-1-120' 1200
	SDG ID	L0102627	L0212246	4237	L0102627	4237	L0102627	4237	L0102625	4237	L0102625
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/23/01	12/03/02	12/19/99	03/24/01	12/18/99	03/24/01	12/18/99	03/24/01	12/18/99	03/24/01
	Units	ug/L	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	WATER
Hexachlorocyclopentadiene		8.0 U	10 U	10 U	8.1 U	11 U	8.7 U	11 U	9.2 U	10 U	8.4 U
Hexachloroethane		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Hexachloropropene		40 U	50 U	—	40 U	—	43 U	—	46 U	—	42 U
Indeno(1,2,3-cd)pyrene		4.0 U	7 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Isodrin		8.0 U	10 U	—	8.1 U	—	8.7 U	—	9.2 U	—	8.4 U
Isophorone		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	6.9 J	4.6 U	3.6 J	4.2 U
Methyl methanesulfonate		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
NDPA/DPA		8.4	16	—	4.0 U	—	4.3 U	—	4.6 U	—	14
Naphthalene		4.0 U	12	10 U	4.0 U	3.8 J	4.3 U	15	4.6 U	15	120
Nitrobenzene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Nitrosodi-n-butylamine		8.0 U	10 U	—	8.1 U	—	8.7 U	—	9.2 U	—	8.4 U
Nitrosodipiperidine		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
Pentachlorobenzene		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
PCNB		8.0 U	10 U	—	8.1 U	—	8.7 U	—	9.2 U	—	8.4 U
Pentachlorophenol		16 U	20 U	52 U	16 U	55 U	17 U	54 U	18 U	52 UJ	17 U
Perylene		4.0 U	5 U	—	4.0 U	—	4.3 U	—	4.6 U	—	4.2 U
Phenacetin		8.0 U	10 U	—	8.1 U	—	8.7 U	—	9.2 U	—	8.4 U
Phenanthrene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Phenol		4.0 U	7 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 UJ	4.2 U
Pronamide		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
Pyrene		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
Pyridine		40 U	50 U	—	40 U	—	43 U	—	46 U	—	42 U
a,a-Dimethylphenethylamine		40 U	50 U	—	40 U	—	43 U	—	46 U	—	42 U
a-Naphthylamine		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
b-Naphthylamine		16 U	20 U	—	16 U	—	17 U	—	18 U	—	17 U
N-Nitrosodipropylamine		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 U	4.2 U
N-Nitrosodimethylamine		40 U	50 U	—	40 U	—	43 U	—	46 U	—	42 U
4-Chloro-3-methylphenol		4.0 U	5 U	10 U	4.0 U	11 U	4.3 U	11 U	4.6 U	10 UJ	4.2 U
p-Dimethylaminoazobenzene		8.0 U	10 U	—	8.1 U	—	8.7 U	—	9.2 U	—	8.4 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-148	ECJ-1-145'	ECJ-1-267	ECJ-1-265' 1620	ECJ-2-47	ECJ-2-47' 0910	ECJ-2-47	ECJ-2-82	ECJ-2-82' 15:10	ECJ-2-82
	SDG ID	4237	L0102625	4237	L0102597	4345	L0102765	L0212604	4345	L0102727	L0212604
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/17/99	03/23/01	12/17/99	03/23/01	01/03/00	03/29/01	12/11/02	01/03/00	03/28/01	12/11/02
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
1,2,4-Trichlorobenzene		65	62	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
1,2-Dichlorobenzene		6.7 J	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
1,3-Dichlorobenzene		24 J	17	11 UJ	3.8 U	11 U	4.8 U	4.8 U	2.2 J	4.7 U	4.9 U
1,4-Dichlorobenzene		7.4 J	29	5.9 J	3.8 U	3.2 J	4.8 U	4.8 U	2.2 J	4.7 U	4.9 U
1-Chloronaphthalene		—	4.0 U	—	3.8 U	—	4.8 U	4.8 U	—	4.7 U	4.9 U
1-Methylnaphthalene		—	4.0 U	—	3.8 U	—	4.8 U	4.8 U	—	4.7 U	4.9 U
2,4,5-Trichlorophenol		56 U	4.0 U	55 U	3.8 U	53 U	4.8 U	4.8 U	53 U	4.7 U	4.9 U
2,4,6-Trichlorophenol		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
2,4-Dichlorophenol		11 U	8.1 U	11 U	7.5 U	11 U	9.7 U	9.6 U	11 U	9.4 U	9.9 U
2,4-Dimethylphenol		11 U	8.1 U	11 U	7.5 U	11 U	9.7 U	9.6 U	11 U	9.4 U	9.9 U
2,4-Dinitrophenol		56 U	16 U	55 U	15 U	R	19 U	19 U	R	19 U	20 U
2,4-Dinitrotoluene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	5.8 U	11 U	4.7 U	5.9 U
2,6-Dichlorophenol		—	8.1 U	—	7.5 U	—	9.7 U	9.6 U	—	9.4 U	9.9 U
2,6-Dinitrotoluene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
2-Chloronaphthalene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	5.8 U	11 U	4.7 U	5.9 U
2-Chlorophenol		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	5.8 U	11 U	4.7 U	5.9 U
2-Methylnaphthalene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	7.7 U	11 U	4.7 U	7.9 U
2-Methylphenol		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	5.8 U	11 U	4.7 U	5.9 U
2-Nitroaniline		56 U	4.0 U	55 U	3.8 U	53 U	4.8 U	4.8 U	53 U	4.7 U	4.9 U
2-Nitrophenol		11 U	8.1 U	11 U	7.5 U	11 U	9.7 U	19 U	11 U	9.4 U	20 U
2-Picoline		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
3,3-Dichlorobenzidine		22 U	40 U	22 U	38 U	21 U	48 U	48 U	21 U	47 U	49 U
3-Methylcholanthrene		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
3-Methylphenol/4-Methylphenol		—	4.6	—	3.8 U	—	4.8 U	5.8 U	—	4.7 U	5.9 U
3-Nitroaniline		56 U	4.0 U	55 U	3.8 U	53 U	4.8 U	4.8 U	53 U	4.7 U	4.9 U
4,6-Dinitro-2-methylphenol		56 U	16 U	55 U	15 U	53 UJ	19 U	19 U	53 UJ	19 U	20 U
4-Aminobiphenyl		—	8.1 U	—	7.5 U	—	9.7 U	9.6 U	—	9.4 U	9.9 U
4-Bromophenyl phenyl ether		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
4-Chloroaniline		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 UJ	11 U	4.7 U	4.9 UJ
4-Chlorophenyl phenyl ether		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
4-Nitroaniline		56 U	4.0 U	55 U	3.8 U	53 U	4.8 U	6.7 U	53 U	4.7 U	6.9 U
4-Nitrophenol		56 U	8.1 U	55 U	7.5 U	53 UJ	9.7 U	9.6 U	53 UJ	9.4 U	9.9 U
7,12-Dimethylbenz(a)anthracene		—	8.1 U	—	7.5 U	—	9.7 U	9.6 U	—	9.4 U	9.9 U
Acenaphthene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-148	ECJ-1-145'	ECJ-1-267	ECJ-1-265' 1620	ECJ-2-47	ECJ-2-47' 0910	ECJ-2-47	ECJ-2-82	ECJ-2-82' 15:10	ECJ-2-82
	SDG ID	4237	L0102625	4237	L0102597	4345	L0102765	L0212604	4345	L0102727	L0212604
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/17/99	03/23/01	12/17/99	03/23/01	01/03/00	03/29/01	12/11/02	01/03/00	03/28/01	12/11/02
	Units	ug/L	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	WATER
Acenaphthylene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Acetophenone		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
Aniline		—	8.1 U	—	7.5 U	—	9.7 U	9.6 U	—	9.4 U	9.9 U
Anthracene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Azobenzene		—	4.0 U	—	3.8 U	—	4.8 U	4.8 U	—	4.7 U	4.9 U
Benzidine		—	40 U	—	38 U	—	48 U	48 U	—	47 U	49 U
Benzo(a)anthracene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Benzo[a]pyrene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Benzo(b)fluoranthene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Benzo(e)pyrene		—	4.0 U	—	3.8 U	—	4.8 U	4.8 U	—	4.7 U	4.9 U
Benzo(ghi)perylene		11 U	4.0 U	11 U	3.8 U	11 UJ	4.8 U	4.8 U	11 UJ	4.7 U	4.9 U
Benzo(k)fluoranthene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Benzoic acid		—	40 U	—	38 U	—	48 U	48 U	—	47 U	49 U
Benzyl alcohol		—	8.1 U	—	7.5 U	—	9.7 U	9.6 U	—	9.4 U	9.9 U
Biphenyl		—	4.0 U	—	3.8 U	—	4.8 U	4.8 U	—	4.7 U	4.9 U
bis(2-Chloroethoxy)methane		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
bis(2-Chloroethyl)ether		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
2,2'-oxybis(1-Chloropropane)		11 UJ	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
bis(2-Ethylhexyl)phthalate (BEHP)		11 U	8.1 U	11 U	7.5 U	11 U	9.7 U	9.6 U	11 U	9.4 U	9.9 U
Butyl benzyl phthalate		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Carbazole		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Chlorobenzilate		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
Chrysene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Di-n-butyl phthalate		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Di-n-octyl phthalate		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Dibenzo(a,h)anthracene		11 U	4.0 U	11 U	3.8 U	11 UJ	4.8 U	4.8 U	11 UJ	4.7 U	4.9 U
Dibenzofuran		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Diethyl phthalate		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Dimethoate		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
Dimethyl phthalate		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Ethyl methanesulfonate		—	12 U	—	11 U	—	14 U	14 U	—	14 U	15 U
Fluoranthene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Fluorene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Hexachlorobenzene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Hexachlorobutadiene		11 UJ	8.1 U	11 UJ	7.5 U	11 U	9.7 U	9.6 U	11 U	9.4 U	9.9 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-1-148	ECJ-1-145'	ECJ-1-267	ECJ-1-265' 1620	ECJ-2-47	ECJ-2-47' 0910	ECJ-2-47	ECJ-2-82	ECJ-2-82' 15:10	ECJ-2-82
	SDG ID	4237	L0102625	4237	L0102597	4345	L0102765	L0212604	4345	L0102727	L0212604
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/17/99	03/23/01	12/17/99	03/23/01	01/03/00	03/29/01	12/11/02	01/03/00	03/28/01	12/11/02
	Units	ug/L	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	WATER
Hexachlorocyclopentadiene		11 U	8.1 U	11 U	7.5 U	11 U	9.7 U	9.6 U	11 U	9.4 U	9.9 U
Hexachloroethane		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Hexachloropropene		—	40 U	—	38 U	—	48 U	48 U	—	47 U	49 U
Indeno(1,2,3-cd)pyrene		11 U	4.0 U	11 U	3.8 U	11 UJ	4.8 U	6.7 U	11 UJ	4.7 U	6.9 U
Isodrin		—	8.1 U	—	7.5 U	—	9.7 U	9.6 U	—	9.4 U	9.9 U
Isophorone		11 U	43	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Methyl methanesulfonate		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
NDPA/DPA		—	4.0 U	—	3.8 U	—	4.8 U	14 U	—	4.7 U	15 U
Naphthalene		6.3 J	27	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Nitrobenzene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Nitrosodi-n-butylamine		—	8.1 U	—	7.5 U	—	9.7 U	9.6 U	—	9.4 U	9.9 U
Nitrosodipiperidine		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
Pentachlorobenzene		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
PCNB		—	8.1 U	—	7.5 U	—	9.7 U	9.6 U	—	9.4 U	9.9 U
Pentachlorophenol		56 U	16 U	55 U	15 U	53 U	19 U	19 U	53 U	19 U	20 U
Perylene		—	4.0 U	—	3.8 U	—	4.8 U	4.8 U	—	4.7 U	4.9 U
Phenacetin		—	8.1 U	—	7.5 U	—	9.7 U	9.6 U	—	9.4 U	9.9 U
Phenanthrene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Phenol		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	6.7 U	11 U	4.7 U	6.9 U
Pronamide		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
Pyrene		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
Pyridine		—	40 U	—	38 U	—	48 U	48 U	—	47 U	49 U
a,a-Dimethylphenethylamine		—	40 U	—	38 U	—	48 U	48 U	—	47 U	49 U
a-Naphthylamine		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
b-Naphthylamine		—	16 U	—	15 U	—	19 U	19 U	—	19 U	20 U
N-Nitrosodipropylamine		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
N-Nitrosodimethylamine		—	40 U	—	38 U	—	48 U	48 U	—	47 U	49 U
4-Chloro-3-methylphenol		11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	4.8 U	11 U	4.7 U	4.9 U
p-Dimethylaminoazobenzene		—	8.1 U	—	7.5 U	—	9.7 U	9.6 U	—	9.4 U	9.9 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-117	ECJ-2-117' 12:25	ECJ-2-117	ECJ-2-152	ECJ-2-152' 10:35	ECJ-2-152	ECJ-2-187	ECJ-2-187' 8:55	ECJ-2-187	ECJ-3-63' 14:15
	SDG ID	4345	L0102727	L0212604	4249	L0102727	L0212604	4249	L0102727	L0212604	L0102960
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/03/00	03/28/01	12/11/02	12/20/99	03/28/01	12/11/02	12/19/99	03/28/01	12/11/02	04/03/01
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
1,2,4-Trichlorobenzene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
1,2-Dichlorobenzene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
1,3-Dichlorobenzene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
1,4-Dichlorobenzene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
1-Chloronaphthalene		—	4.5 U	4.9 U	—	4.9 U	4.8 U	—	4.9 U	4.8 U	4.9 U
1-Methylnaphthalene		—	4.5 U	4.9 U	—	4.9 U	4.8 U	—	4.9 U	4.8 U	4.9 U
2,4,5-Trichlorophenol		53 U	4.5 U	4.9 U	60 U	4.9 U	4.8 U	52 U	4.9 U	4.8 U	4.9 U
2,4,6-Trichlorophenol		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
2,4-Dichlorophenol		11 U	9.1 U	9.8 U	12 U	9.8 U	9.7 U	10 U	9.8 U	9.7 U	9.8 U
2,4-Dimethylphenol		3.9 J	9.1 U	9.8 U	12 U	9.8 U	9.7 U	10 U	9.8 U	9.7 U	9.8 U
2,4-Dinitrophenol		R	18 U	20 U	60 U	20 U	19 U	52 U	20 U	19 U	20 U
2,4-Dinitrotoluene		11 U	4.5 U	5.9 U	12 U	4.9 U	5.8 U	10 U	4.9 U	5.8 U	4.9 U
2,6-Dichlorophenol		—	9.1 U	9.8 U	—	9.8 U	9.7 U	—	9.8 U	9.7 U	9.8 U
2,6-Dinitrotoluene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
2-Chloronaphthalene		11 U	4.5 U	5.9 U	12 U	4.9 U	5.8 U	10 U	4.9 U	5.8 U	4.9 U
2-Chlorophenol		11 U	4.5 U	5.9 U	12 U	4.9 U	5.8 U	10 U	4.9 U	5.8 U	4.9 U
2-Methylnaphthalene		11 U	4.5 U	7.8 U	12 U	4.9 U	7.8 U	10 U	4.9 U	7.8 U	4.9 U
2-Methylphenol		4.9 J	4.5 U	5.9 U	12 U	4.9 U	5.8 U	2.6 J	4.9 U	5.8 U	4.9 U
2-Nitroaniline		53 U	4.5 U	4.9 U	60 U	4.9 U	4.8 U	52 U	4.9 U	4.8 U	4.9 U
2-Nitrophenol		11 U	9.1 U	20 U	12 U	9.8 U	19 U	10 U	9.8 U	19 U	9.8 U
2-Picoline		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
3,3-Dichlorobenzidine		21 UJ	45 U	49 U	24 U	49 U	48 U	21 U	49 U	48 U	49 U
3-Methylcholanthrene		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
3-Methylphenol/4-Methylphenol		—	4.5 U	5.9 U	—	4.9 U	5.8 U	—	4.9 U	5.8 U	4.9 U
3-Nitroaniline		53 U	4.5 U	4.9 U	60 U	4.9 U	4.8 U	52 U	4.9 U	4.8 U	4.9 U
4,6-Dinitro-2-methylphenol		53 UJ	18 U	20 U	60 U	20 U	19 U	52 U	20 U	19 U	20 U
4-Aminobiphenyl		—	9.1 U	9.8 U	—	9.8 U	9.7 U	—	9.8 U	9.7 U	9.8 U
4-Bromophenyl phenyl ether		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
4-Chloroaniline		11 U	4.5 U	4.9 UJ	12 U	4.9 U	4.8 UJ	10 U	4.9 U	4.8 UJ	4.9 U
4-Chlorophenyl phenyl ether		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
4-Nitroaniline		53 U	4.5 U	6.8 U	60 U	4.9 U	6.8 U	52 U	4.9 U	6.8 U	4.9 U
4-Nitrophenol		53 UJ	9.1 U	9.8 U	60 U	9.8 U	9.7 U	52 U	9.8 U	9.7 U	9.8 U
7,12-Dimethylbenz(a)anthracene		—	9.1 U	9.8 U	—	9.8 U	9.7 U	—	9.8 U	9.7 U	9.8 U
Acenaphthene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-117	ECJ-2-117' 12:25	ECJ-2-117	ECJ-2-152	ECJ-2-152' 10:35	ECJ-2-152	ECJ-2-187	ECJ-2-187' 8:55	ECJ-2-187	ECJ-3-63' 14:15
	SDG ID	4345	L0102727	L0212604	4249	L0102727	L0212604	4249	L0102727	L0212604	L0102960
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/03/00	03/28/01	12/11/02	12/20/99	03/28/01	12/11/02	12/19/99	03/28/01	12/11/02	04/03/01
	Units	ug/L	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	WATER
Acenaphthylene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Acetophenone		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
Aniline		—	9.1 U	9.8 U	—	9.8 U	9.7 U	—	9.8 U	9.7 U	9.8 U
Anthracene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Azobenzene		—	4.5 U	4.9 U	—	4.9 U	4.8 U	—	4.9 U	4.8 U	4.9 U
Benzidine		—	45 U	49 U	—	49 U	48 U	—	49 U	48 U	49 U
Benzo(a)anthracene		11 UJ	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Benzo[a]pyrene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Benzo(b)fluoranthene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Benzo(e)pyrene		—	4.5 U	4.9 U	—	4.9 U	4.8 U	—	4.9 U	4.8 U	4.9 U
Benzo(ghi)perylene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Benzo(k)fluoranthene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Benzoic acid		—	45 U	49 U	—	49 U	48 U	—	49 U	48 U	49 U
Benzyl alcohol		—	9.1 U	9.8 U	—	9.8 U	9.7 U	—	9.8 U	9.7 U	9.8 U
Biphenyl		—	4.5 U	4.9 U	—	4.9 U	4.8 U	—	4.9 U	4.8 U	4.9 U
bis(2-Chloroethoxy)methane		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
bis(2-Chloroethyl)ether		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
2,2'-oxybis(1-Chloropropane)		11 U	4.5 U	4.9 U	12 UJ	4.9 U	4.8 U	10 UJ	4.9 U	4.8 U	4.9 U
bis(2-Ethylhexyl)phthalate (BEHP)		11 UJ	9.1 U	13	12 U	9.8 U	9.7 U	10 U	9.8 U	20	9.8 U
Butyl benzyl phthalate		11 UJ	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Carbazole		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Chlorobenzilate		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
Chrysene		11 UJ	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Di-n-butyl phthalate		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Di-n-octyl phthalate		11 UJ	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Dibenzo(a,h)anthracene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Dibenzofuran		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Diethyl phthalate		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Dimethoate		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
Dimethyl phthalate		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Ethyl methanesulfonate		—	14 U	15 U	—	15 U	14 U	—	15 U	14 U	15 U
Fluoranthene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Fluorene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Hexachlorobenzene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Hexachlorobutadiene		11 U	9.1 U	9.8 U	12 U	9.8 U	9.7 U	10 U	9.8 U	9.7 U	9.8 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-2-117	ECJ-2-117' 12:25	ECJ-2-117	ECJ-2-152	ECJ-2-152' 10:35	ECJ-2-152	ECJ-2-187	ECJ-2-187' 8:55	ECJ-2-187	ECJ-3-63' 14:15
	SDG ID	4345	L0102727	L0212604	4249	L0102727	L0212604	4249	L0102727	L0212604	L0102960
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/03/00	03/28/01	12/11/02	12/20/99	03/28/01	12/11/02	12/19/99	03/28/01	12/11/02	04/03/01
	Units	ug/L	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	WATER
Hexachlorocyclopentadiene		11 U	9.1 U	9.8 U	12 U	9.8 U	9.7 U	10 U	9.8 U	9.7 U	9.8 U
Hexachloroethane		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Hexachloropropene		—	45 U	49 U	—	49 U	48 U	—	49 U	48 U	49 U
Indeno(1,2,3-cd)pyrene		11 U	4.5 U	6.8 U	12 U	4.9 U	6.8 U	10 U	4.9 U	6.8 U	4.9 U
Isodrin		—	9.1 U	9.8 U	—	9.8 U	9.7 U	—	9.8 U	9.7 U	9.8 U
Isophorone		11 U	4.5 U	4.9 U	12 U	9.0	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Methyl methanesulfonate		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
NDPA/DPA		—	4.5 U	15 U	—	4.9 U	14 U	—	4.9 U	14 U	4.9 U
Naphthalene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Nitrobenzene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Nitrosodi-n-butylamine		—	9.1 U	9.8 U	—	9.8 U	9.7 U	—	9.8 U	9.7 U	9.8 U
Nitrosodipiperidine		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
Pentachlorobenzene		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
PCNB		—	9.1 U	9.8 U	—	9.8 U	9.7 U	—	9.8 U	9.7 U	9.8 U
Pentachlorophenol		53 U	18 U	20 U	60 U	20 U	19 U	52 U	20 U	19 U	20 U
Perylene		—	4.5 U	4.9 U	—	4.9 U	4.8 U	—	4.9 U	4.8 U	4.9 U
Phenacetin		—	9.1 U	9.8 U	—	9.8 U	9.7 U	—	9.8 U	9.7 U	9.8 U
Phenanthrene		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Phenol		11 U	4.5 U	6.8 U	12 U	4.9 U	6.8 U	10 U	4.9 U	6.8 U	4.9 U
Pronamide		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
Pyrene		11 UJ	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
Pyridine		—	45 U	49 U	—	49 U	48 U	—	49 U	48 U	49 U
a,a-Dimethylphenethylamine		—	45 U	49 U	—	49 U	48 U	—	49 U	48 U	49 U
a-Naphthylamine		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
b-Naphthylamine		—	18 U	20 U	—	20 U	19 U	—	20 U	19 U	20 U
N-Nitrosodipropylamine		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
N-Nitrosodimethylamine		—	45 U	49 U	—	49 U	48 U	—	49 U	48 U	49 U
4-Chloro-3-methylphenol		11 U	4.5 U	4.9 U	12 U	4.9 U	4.8 U	10 U	4.9 U	4.8 U	4.9 U
p-Dimethylaminoazobenzene		—	9.1 U	9.8 U	—	9.8 U	9.7 U	—	9.8 U	9.7 U	9.8 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-3-103' 11:15	ECJ-3-138' 10:10	ECJ-4-62	ECJ-4-60' 11:30	ECJ-4-87	ECJ-4-85' 9:50	ECJ-4-132	ECJ-4-130' 16:15	ECJ-4-162	ECJ-4-160' 15:00
	SDG ID	L0102960	L0102960	4357	L0102730	4357	L0102730	4345	L0102674	4345	L0102629
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	04/03/01	04/03/01	01/05/00	03/27/01	01/05/00	03/27/01	01/04/00	03/26/01	01/04/00	04/03/01
	Units	ug/L	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	WATER
1,2,4,5-Tetrachlorobenzene		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
1,2,4-Trichlorobenzene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
1,2-Dichlorobenzene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
1,3-Dichlorobenzene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
1,4-Dichlorobenzene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
1-Chloronaphthalene		4.5 U	4.5 U	—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U
1-Methylnaphthalene		4.5 U	4.5 U	—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U
2,4,5-Trichlorophenol		4.5 U	4.5 U	52 U	5.0 U	51 U	4.8 U	51 U	4.7 U	R	4.2 U
2,4,6-Trichlorophenol		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
2,4-Dichlorophenol		9.1 U	9.0 U	10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U
2,4-Dimethylphenol		9.1 U	9.0 U	10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U
2,4-Dinitrophenol		18 U	18 U	52 U	20 U	51 U	19 U	R	19 U	53 U	17 U
2,4-Dinitrotoluene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
2,6-Dichlorophenol		9.1 U	9.0 U	—	10 U	—	9.6 U	—	9.5 U	—	8.4 U
2,6-Dinitrotoluene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
2-Chloronaphthalene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
2-Chlorophenol		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
2-Methylnaphthalene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
2-Methylphenol		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
2-Nitroaniline		4.5 U	4.5 U	52 U	5.0 U	51 U	4.8 U	51 U	4.7 U	53 U	4.2 U
2-Nitrophenol		9.1 U	9.0 U	10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U
2-Picoline		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
3,3-Dichlorobenzidine		45 U	45 U	21 U	50 U	20 U	48 U	20 U	47 U	21 U	42 U
3-Methylcholanthrene		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
3-Methylphenol/4-Methylphenol		4.5 U	4.5 U	—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U
3-Nitroaniline		4.5 U	4.5 U	52 U	5.0 U	51 U	4.8 U	51 U	4.7 U	53 U	4.2 U
4,6-Dinitro-2-methylphenol		18 U	18 U	52 U	20 U	51 U	19 U	51 UJ	19 U	53 UJ	17 U
4-Aminobiphenyl		9.1 U	9.0 U	—	10 U	—	9.6 U	—	9.5 U	—	8.4 U
4-Bromophenyl phenyl ether		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
4-Chloroaniline		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
4-Chlorophenyl phenyl ether		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
4-Nitroaniline		4.5 U	4.5 U	52 U	5.0 U	51 U	4.8 U	51 U	4.7 U	53 U	4.2 U
4-Nitrophenol		9.1 U	9.0 U	52 U	10 U	51 U	9.6 U	51 UJ	9.5 U	53 UJ	8.4 U
7,12-Dimethylbenz(a)anthracene		9.1 U	9.0 U	—	10 U	—	9.6 U	—	9.5 U	—	8.4 U
Acenaphthene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-3-103' 11:15	ECJ-3-138' 10:10	ECJ-4-62	ECJ-4-60' 11:30	ECJ-4-87	ECJ-4-85' 9:50	ECJ-4-132	ECJ-4-130' 16:15	ECJ-4-162	ECJ-4-160' 15:00
	SDG ID	L0102960	L0102960	4357	L0102730	4357	L0102730	4345	L0102674	4345	L0102629
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	04/03/01	04/03/01	01/05/00	03/27/01	01/05/00	03/27/01	01/04/00	03/26/01	01/04/00	04/03/01
	Units	ug/L	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	WATER
Acenaphthylene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Acetophenone		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
Aniline		9.1 U	9.0 U	—	10 U	—	9.6 U	—	9.5 U	—	8.4 U
Anthracene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Azobenzene		4.5 U	4.5 U	—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U
Benzidine		45 U	45 U	—	50 U	—	48 U	—	47 U	—	42 U
Benzo(a)anthracene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Benzo(a)pyrene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Benzo(b)fluoranthene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Benzo(e)pyrene		4.5 U	4.5 U	—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U
Benzo(ghi)perylene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 UJ	4.7 U	11 U	4.2 U
Benzo(k)fluoranthene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Benzoic acid		45 U	45 U	—	50 U	—	48 U	—	47 U	—	42 U
Benzyl alcohol		9.1 U	9.0 U	—	10 U	—	9.6 U	—	9.5 U	—	8.4 U
Biphenyl		4.5 U	4.5 U	—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U
bis(2-Chloroethoxy)methane		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
bis(2-Chloroethyl)ether		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
2,2'-oxybis(1-Chloropropane)		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
bis(2-Ethylhexyl)phthalate (BEHP)		9.1 U	9.0 U	10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U
Butyl benzyl phthalate		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Carbazole		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Chlorobenzilate		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
Chrysene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 UJ	4.2 U
Di-n-butyl phthalate		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Di-n-octyl phthalate		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Dibenzo(a,h)anthracene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 UJ	4.7 U	11 U	4.2 U
Dibenzofuran		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Diethyl phthalate		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Dimethoate		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
Dimethyl phthalate		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Ethyl methanesulfonate		14 U	13 U	—	15 U	—	14 U	—	14 U	—	13 U
Fluoranthene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Fluorene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Hexachlorobenzene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Hexachlorobutadiene		9.1 U	9.0 U	10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-3-103' 11:15	ECJ-3-138' 10:10	ECJ-4-62	ECJ-4-60' 11:30	ECJ-4-87	ECJ-4-85' 9:50	ECJ-4-132	ECJ-4-130' 16:15	ECJ-4-162	ECJ-4-160' 15:00
	SDG ID	L0102960	L0102960	4357	L0102730	4357	L0102730	4345	L0102674	4345	L0102629
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	04/03/01	04/03/01	01/05/00	03/27/01	01/05/00	03/27/01	01/04/00	03/26/01	01/04/00	04/03/01
	Units	ug/L	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	WATER
Hexachlorocyclopentadiene		9.1 U	9.0 U	10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U
Hexachloroethane		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Hexachloropropene		45 U	45 U	—	50 U	—	48 U	—	47 U	—	42 U
Indeno(1,2,3-cd)pyrene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 UJ	4.7 U	11 U	4.2 U
Isodrin		9.1 U	9.0 U	—	10 U	—	9.6 U	—	9.5 U	—	8.4 U
Isophorone		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Methyl methanesulfonate		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
NDPA/DPA		4.5 U	4.5 U	—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U
Naphthalene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Nitrobenzene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Nitrosodi-n-butylamine		9.1 U	9.0 U	—	10 U	—	9.6 U	—	9.5 U	—	8.4 U
Nitrosodipiperidine		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
Pentachlorobenzene		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
PCNB		9.1 U	9.0 U	—	10 U	—	9.6 U	—	9.5 U	—	8.4 U
Pentachlorophenol		18 U	18 U	52 U	20 U	51 U	19 U	51 U	19 U	53 U	17 U
Perylene		4.5 U	4.5 U	—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U
Phenacetin		9.1 U	9.0 U	—	10 U	—	9.6 U	—	9.5 U	—	8.4 U
Phenanthrene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Phenol		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Pronamide		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
Pyrene		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
Pyridine		45 U	45 U	—	50 U	—	48 U	—	47 U	—	42 U
a,a-Dimethylphenethylamine		45 U	45 U	—	50 U	—	48 U	—	47 U	—	42 U
a-Naphthylamine		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
b-Naphthylamine		18 U	18 U	—	20 U	—	19 U	—	19 U	—	17 U
N-Nitrosodipropylamine		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
N-Nitrosodimethylamine		45 U	45 U	—	50 U	—	48 U	—	47 U	—	42 U
4-Chloro-3-methylphenol		4.5 U	4.5 U	10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U
p-Dimethylaminoazobenzene		9.1 U	9.0 U	—	10 U	—	9.6 U	—	9.5 U	—	8.4 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-4-227	ECJ-4-225' 12:10	ECJ-4-245	ECJ-4-245' 10:40	Equipment Blank
	SDG ID	4345	L0102629	4345	L0102629	L0212763
	Dilution Factor	1	1	1	1	1
	Sample Date	01/04/00	04/03/01	01/04/00	04/03/01	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER
1,2,4,5-Tetrachlorobenzene		—	16 U	—	R	20 U
1,2,4-Trichlorobenzene		11 U	4 U	11 U	R	5 U
1,2-Dichlorobenzene		11 U	4 U	11 U	R	5 U
1,3-Dichlorobenzene		11 U	4 U	11 U	R	5 U
1,4-Dichlorobenzene		11 U	4 U	11 U	R	5 U
1-Chloronaphthalene		—	4 U	—	R	5 U
1-Methylnaphthalene		—	4 U	—	R	5 U
2,4,5-Trichlorophenol		53 U	4 U	53 U	R	5 U
2,4,6-Trichlorophenol		11 U	4 U	11 U	R	5 U
2,4-Dichlorophenol		11 U	8.1 U	11 U	R	10 U
2,4-Dimethylphenol		11 U	8.1 U	11 U	R	10 U
2,4-Dinitrophenol		R	16 U	R	R	20 U
2,4-Dinitrotoluene		11 U	4 U	11 U	R	6 U
2,6-Dichlorophenol		—	8.1 U	—	R	10 U
2,6-Dinitrotoluene		11 U	4 U	11 U	R	5 U
2-Chloronaphthalene		11 U	4 U	11 U	R	6 U
2-Chlorophenol		11 U	4 U	11 U	R	6 U
2-Methylnaphthalene		11 U	4 U	11 U	R	8 U
2-Methylphenol		11 U	4 U	11 U	R	6 U
2-Nitroaniline		53 U	4 U	53 U	R	5 U
2-Nitrophenol		11 U	8.1 U	11 U	R	20 U
2-Picoline		—	16 U	—	R	20 U
3,3-Dichlorobenzidine		21 U	40 U	21 U	R	50 U
3-Methylcholanthrene		—	16 U	—	R	20 U
3-Methylphenol/4-Methylphenol		—	4 U	—	R	6 U
3-Nitroaniline		53 U	4 U	53 U	R	5 U
4,6-Dinitro-2-methylphenol		53 UJ	16 U	53 UJ	R	20 U
4-Aminobiphenyl		—	8.1 U	—	R	10 U
4-Bromophenyl phenyl ether		11 U	4 U	11 U	R	5 U
4-Chloroaniline		11 U	4 U	11 U	R	5 U
4-Chlorophenyl phenyl ether		11 U	4 U	11 U	R	5 U
4-Nitroaniline		53 U	4 U	53 U	R	7 U
4-Nitrophenol		53 UJ	8.1 U	53 UJ	R	10 U
7,12-Dimethylbenz(a)anthracene		—	8.1 U	—	R	10 U
Acenaphthene		11 U	4 U	11 U	R	5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-4-227	ECJ-4-225' 12:10	ECJ-4-245	ECJ-4-245' 10:40	Equipment Blank
	SDG ID	4345	L0102629	4345	L0102629	L0212763
	Dilution Factor	1	1	1	1	1
	Sample Date	01/04/00	04/03/01	01/04/00	04/03/01	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER
Acenaphthylene		11 U	4 U	11 U	R	5 U
Acetophenone		—	16 U	—	R	20 U
Aniline		—	8.1 U	—	R	10 U
Anthracene		11 U	4 U	11 U	R	5 U
Azobenzene		—	4 U	—	R	5 U
Benzidine		—	40 U	—	R	50 U
Benzo(a)anthracene		11 U	4 U	11 U	R	5 U
Benzo[a]pyrene		11 UJ	4 U	11 UJ	R	5 U
Benzo(b)fluoranthene		11 UJ	4 U	11 UJ	R	5 U
Benzo(e)pyrene		—	4 U	—	R	5 U
Benzo(ghi)perylene		11 UJ	4 U	11 UJ	R	5 U
Benzo(k)fluoranthene		11 UJ	4 U	11 UJ	R	5 U
Benzoic acid		—	40 U	—	R	50 U
Benzyl alcohol		—	8.1 U	—	R	10 U
Biphenyl		—	4 U	—	R	5 U
bis(2-Chloroethoxy)methane		11 U	4 U	11 U	R	5 U
bis(2-Chloroethyl)ether		11 U	4 U	11 U	R	5 U
2,2'-oxybis(1-Chloropropane)		11 U	4 U	11 U	R	5 U
bis(2-Ethylhexyl)phthalate (BEHP)		11 U	8.1 U	11 U	R	10 U
Butyl benzyl phthalate		11 U	4 U	11 U	R	5 U
Carbazole		11 U	4 U	11 U	R	5 U
Chlorobenzilate		—	16 U	—	R	20 U
Chrysene		11 U	4 U	11 U	R	5 U
Di-n-butyl phthalate		11 U	4 U	11 U	R	5 U
Di-n-octyl phthalate		11 U	4 U	11 U	R	5 U
Dibenzo(a,h)anthracene		11 UJ	4 U	11 UJ	R	5 U
Dibenzofuran		11 U	4 U	11 U	R	5 U
Diethyl phthalate		11 U	4 U	11 U	R	5 U
Dimethoate		—	16 U	—	R	20 U
Dimethyl phthalate		11 U	4 U	11 U	R	5 U
Ethyl methanesulfonate		—	12 U	—	R	15 U
Fluoranthene		11 U	4 U	11 U	R	5 U
Fluorene		11 U	4 U	11 U	R	5 U
Hexachlorobenzene		11 U	4 U	11 U	R	5 U
Hexachlorobutadiene		11 U	8.1 U	11 U	R	10 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data
Historical Data Summary

Compound	Sample ID	ECJ-4-227	ECJ-4-225' 12:10	ECJ-4-245	ECJ-4-245' 10:40	Equipment Blank
	SDG ID	4345	L0102629	4345	L0102629	L0212763
	Dilution Factor	1	1	1	1	1
	Sample Date	01/04/00	04/03/01	01/04/00	04/03/01	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Matrix	WATER	WATER	WATER	WATER	WATER
Hexachlorocyclopentadiene		11 U	8.1 U	11 U	R	10 U
Hexachloroethane		11 U	4 U	11 U	R	5 U
Hexachloropropene		—	40 U	—	R	50 U
Indeno(1,2,3-cd)pyrene		11 UJ	4 U	11 UJ	R	7 U
Isodrin		—	8.1 U	—	R	10 U
Isophorone		11 U	4 U	11 U	R	5 U
Methyl methanesulfonate		—	16 U	—	R	20 U
NDPA/DPA		—	4 U	—	R	15 U
Naphthalene		11 U	4 U	11 U	R	5 U
Nitrobenzene		11 U	4 U	11 U	R	5 U
Nitrosodi-n-butylamine		—	8.1 U	—	R	10 U
Nitrosodipiperidine		—	16 U	—	R	20 U
Pentachlorobenzene		—	16 U	—	R	20 U
PCNB		—	8.1 U	—	R	10 U
Pentachlorophenol		53 U	16 U	53 U	R	20 U
Perylene		—	4 U	—	R	5 U
Phenacetin		—	8.1 U	—	R	10 U
Phenanthrene		11 U	4 U	11 U	R	5 U
Phenol		11 U	4 U	11 U	R	7 U
Pronamide		—	16 U	—	R	20 U
Pyrene		11 U	4 U	11 U	R	5 U
Pyridine		—	40 U	—	R	50 U
a,a-Dimethylphenethylamine		—	40 U	—	R	50 U
a-Naphthylamine		—	16 U	—	R	20 U
b-Naphthylamine		—	16 U	—	R	20 U
N-Nitrosodipropylamine		11 U	4 U	11 U	R	5 U
N-Nitrosodimethylamine		—	40 U	—	R	50 U
4-Chloro-3-methylphenol		11 U	4 U	11 U	R	5 U
p-Dimethylaminoazobenzene		—	8.1 U	—	R	10 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

Table 3
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8081 Pesticide Data
Historical Data Summary

	Sample ID	BEI-1	BEI-2	BEI-3	OBG-1	OBG-2	OBG-3	Collection Trench
	SDG ID	L0111855	L0111855	L0111855	L0111855	L0111855	L0111855	L0111855
	Dilution Factor	1	1	1	25	1	1	1
	Sample Date	12/14/01	12/14/01	12/14/01	12/14/01	12/14/01	12/14/01	12/14/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER
4,4'-DDD		0.021 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U	0.02 U
4,4'-DDE		0.021 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U	0.02 U
4,4'-DDT		0.021 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U	0.02 U
Aldrin		0.0105 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U
alpha-BHC		0.0105 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U
beta-BHC		0.0105 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U
Chlordane		0.105 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
delta-BHC		0.0105 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U
Dieldrin		0.021 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U	0.02 U
Endosulfan I		0.0105 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U
Endosulfan II		0.021 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U	0.02 U
Endosulfan sulfate		0.021 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U	0.02 U
Endrin		0.021 UJ	0.02 UJ	0.02 UJ	0.5 UJ	0.02 UJ	0.02 UJ	0.02 UJ
Endrin aldehyde		0.021 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U	0.02 U
Endrin ketone		0.021 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U	0.02 U
Heptachlor		0.0105 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U
Heptachlor epoxide		0.0105 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U
gamma-BHC (Lindane)		0.0105 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U
Methoxychlor		0.105 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
Toxaphene		0.105 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
a-Chlordane		0.0105 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U
gamma-Chlordane		0.0105 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

Compound	Sample ID	BEI-1	BEI-1	INF-BEI-1	BEI-1	BEI-1	BEI-1	BEI-1	BEI-2	BEI-2	INF-BEI-2
	SDG ID	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01
	Units	ug/L	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	WATER
Aroclor 1221		0.500 U	0.5 U	0.459 U	0.5 U	0.5 U	0.5 U	0.25 U	0.500 UJ	0.5 U	0.454 U
Aroclor 1232		0.500 U	5.16 J*	0.459 U	0.5 U	0.5 U	0.5 U	0.25 U	0.500 UJ	2.04 J*	0.454 U
Aroclor 1242/1016		0.500 U	0.5 U	4.2	2.97 *	2.66 J*	5.34 *	5.56 *	0.500 UJ	0.5 U	1.66
Aroclor 1248		0.500 U	0.5 U	0.459 U	0.5 U	0.5 U	0.5 U	0.25 U	0.500 UJ	0.5 U	0.454 U
Aroclor 1254		0.953 J*	1.23 *	0.459 U	0.795 J	0.583 J*	1.18 *	1.26 *	0.500 UJ	0.546 *	0.454 U
Aroclor 1260		0.500 U	0.5 U	0.459 U	0.5 U	0.5 U	0.5 U	0.25 U	0.500 UJ	0.5 U	0.454 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

* - Altered PCB Aroclor.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	BEI-2	BEI-2	BEI-2	BEI-2	BEI-3	BEI-3	INF-BEI-3	BEI-3	BEI-3	BEI-3
	SDG ID	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.5 U	0.5 U	0.5 U	0.252 U	0.500 U	0.5 U	0.454 U	0.5 U	0.5 U	0.5 U
Aroclor 1232		0.5 U	0.5 U	0.5 U	0.252 U	0.500 U	0.5 U	0.454 U	0.5 U	0.5 U	0.5 U
Aroclor 1242/1016		2.05 *	2.3 *	2.42 *	1.76 *	0.500 U	0.5 U	1.26 *	0.5 U	0.5 U	0.5 U
Aroclor 1248		0.5 U	0.5 U	0.5 U	0.252 U	0.500 U	0.5 U	0.454 U	0.5 U	0.5 U	0.5 U
Aroclor 1254		0.5 U	0.5 U	0.568 *	0.684 *	0.867 J*	4.42	0.454 U	1.04 J	1.05 J*	1.56 *
Aroclor 1260		0.5 U	0.5 U	0.5 U	0.252 U	0.500 U	0.5 U	0.454 U	0.5 U	0.5 U	0.5 U

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

Compound	Sample ID	BEI-3	OBG-1	OBG-1	INF-OBG-1	OBG-1	OBG-1	OBG-1	OBG-2	OBG-2	INF-OBG-2
	SDG ID	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0212377	L0102477	L0108901	L0111561
	Dilution Factor	1	5	10	50	1,20	5	100	1	1	1
	Sample Date	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	12/05/02	03/21/01	09/24/01	12/06/01
	Units	ug/L	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	WATER
Aroclor 1221		0.25 U	2.50 U	5 U	23 U	0.5 U	2.5 U	0.25 U	0.500 U	0.5 U	0.454 U
Aroclor 1232		0.25 U	2.50 U	14 J*	23 U	0.5 U	2.5 U	0.25 U	0.500 U	4.9 J*	0.454 U
Aroclor 1242/1016		0.25 U	2.50 U	5 U	104	22 *	9.18 J *	11.5 *	0.500 U	0.5 U	8.4
Aroclor 1248		0.25 U	2.50 U	5 U	23 U	0.5 U	2.5 U	0.25 U	0.500 U	0.5 U	0.454 U
Aroclor 1254		1.31 *	29.6	12.2	408	108	32.4 J	303	1.01 J*	1.14 *	0.454 U
Aroclor 1260		0.25 U	2.50 U	5 U	23 U	0.5 U	2.5 U	0.25 U	0.500 U	0.5 U	0.454 U

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	OBG-2	OBG-2	OBG-2	OBG-2	OBG-3	OBG-3	INF-OBG-3	OBG-3	OBG-3	OBG-3
	SDG ID	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486
	Dilution Factor	1	2	1	1	1	1	1	1	1	1
	Sample Date	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.5 U	1 U	0.5 U	0.252 U	0.500 U	0.5 U	0.5 U	0.5 U	0.5 U	0.526 U
Aroclor 1232		0.5 U	1 U	0.5 U	0.252 U	0.500 U	0.5 U	0.5 U	0.5 U	0.5 U	0.526 U
Aroclor 1242/1016		0.5 U	5.48 *	5.46 J*	6.1 *	0.500 U	0.5 U	0.5 U	6.04 *	0.5 U	0.526 U
Aroclor 1248		0.5 U	1 U	0.5 U	0.252 U	0.500 U	0.5 U	0.5 U	0.5 U	0.5 U	0.526 U
Aroclor 1254		0.5 U	1 U	0.637	0.786 *	0.500 U	0.5 U	0.5 U	0.5 U	0.5 U	0.526 U
Aroclor 1260		0.5 U	1 U	0.5 U	0.252 U	0.500 U	0.5 U	0.5 U	0.5 U	0.5 U	0.526 U

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	TRENCH	Collection Trench	Collection Trench	Collection Trench	Recovery Trench	Shallow Trench	MW-2	MW-2	MW-2	MW-2
	SDG ID	L0102477	L0111561	L0203390	L0206116	L0209486	L0212377	3903	L0102408	L0105431	L0108729
	Dilution Factor	1	1	1	1	1	1	5	1	1	1
	Sample Date	03/21/01	12/07/01	04/09/02	06/20/02	09/18/02	12/05/02	11/12/99	03/19/01	06/14/01	09/19/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.500 U	0.459 U	0.5 U	0.5 U	0.5 U	0.25 U	2.5 U	2.50 U	0.426 U	0.5 U
Aroclor 1232		0.500 U	0.459 U	0.5 U	0.5 U	0.5 U	0.25 U	2.5 U	2.50 U	0.426 U	0.5 U
Aroclor 1242/1016		0.500 U	0.459 U	2.9 *	2.33 *	3.87 *	1.01	17 *	8.61 J*	5.9	R
Aroclor 1248		0.500 U	0.459 U	0.5 U	0.5 U	0.5 U	0.25 U	2.5 U	2.50 U	0.426 U	0.5 U
Aroclor 1254		0.500 U	0.459 U	0.5 U	0.5 U	0.5 U	0.25 U	2.5 U	2.50 U	0.426 U	0.5 U
Aroclor 1260		0.500 U	0.459 U	0.5 U	0.5 U	0.5 U	0.25 U	2.5 U	2.50 U	0.426 U	0.5 U

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-2	MW-2	MW-2	MW-2	MW-2	MW-4	MW-4	MW-4	MW-4	MW-4
	SDG ID	L0111345	L0203024	L0206031	L0209486	L0212735	3930	L0102674	L0108767	L0111491	L0203024
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/03/01	03/29/02	06/19/02	09/18/02	12/16/02	11/15/99	03/26/01	09/20/01	12/05/01	03/29/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.479 U	0.535 U	0.51 U	0.5 U	0.5 U	0.51 U	0.479 U	0.469 U	0.474 U	0.521 U
Aroclor 1232		0.479 U	0.535 U	0.51 U	0.5 U	0.5 U	0.51 U	0.479 U	0.469 U	0.474 U	0.521 U
Aroclor 1242/1016		4.55*	2.31 *	2.63 *	2.9 *	3.02	0.51 U	0.479 U	0.469 U	0.474 U	0.521 U
Aroclor 1248		0.479 U	0.535 U	0.51 U	0.5 U	0.5 U	0.51 U	0.479 U	0.469 U	0.474 U	0.521 U
Aroclor 1254		0.479 U	0.535 U	0.51 U	0.5 U	0.5 U	0.51 U	0.479 U	0.469 U	0.474 U	0.521 U
Aroclor 1260		0.479 U	0.535 U	0.51 U	0.5 U	0.5 U	0.51 U	0.479 U	0.469 U	0.474 U	0.521 U

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-4	MW-4	MW-4	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A	MW-5	MW-5
	SDG ID	L0206116	L0209630	L0212604	3930	L0102627	L0108767	L0111491	L0212763	3930	L0102630
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	06/20/02	09/19/02	12/12/02	11/15/99	03/24/01	09/20/01	12/05/01	12/17/02	11/16/99	03/26/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.5 U	0.5 U	0.25 U	0.51 U	0.500 U	0.462 U	0.479 U	0.25 U	0.53 U	0.435 U
Aroclor 1232		0.5 U	0.5 U	0.25 U	0.51 U	0.500 U	0.462 U	0.479 U	0.25 U	0.53 U	0.435 U
Aroclor 1242/1016		0.5 U	0.5 U	0.25 U	0.51 U	0.500 U	0.462 U	0.479 U	0.25 U	0.53 U	0.435 U
Aroclor 1248		0.5 U	0.5 U	0.25 U	0.51 U	0.500 U	0.462 U	0.479 U	0.25 U	0.53 U	0.435 U
Aroclor 1254		0.5 U	0.5 U	0.25 U	0.51 U	0.500 U	0.462 U	0.479 U	0.25 U	0.53 U	0.435 U
Aroclor 1260		0.5 U	0.5 U	0.25 U	0.51 U	0.500 U	0.462 U	0.479 U	0.25 U	0.53 U	0.435 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-5	MW-5	MW-5	MW-5A	MW-5A	MW-5A	MW-5A	MW-5A	MW-6	MW-6
	SDG ID	L0108767	L0111491	L0212604	3930	L0102630	L0108767	L0111491	L0212604	3970	L0102437
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	09/20/01	12/05/01	12/12/02	11/16/99	03/26/01	09/20/01	12/05/01	12/12/02	11/17/99	03/20/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.481 U	0.484 U	0.25 U	0.53 U	0.430 U	0.476 U	0.5 U	0.25 U	0.50 U	2.50 U
Aroclor 1232		0.481 U	0.484 U	0.25 U	0.53 U	0.430 U	0.476 U	0.5 U	0.25 U	0.50 U	2.50 U
Aroclor 1242/1016		0.481 U	0.484 U	0.25 U	0.53 U	0.430 U	0.476 U	0.5 U	0.25 U	0.50 U	2.50 U
Aroclor 1248		0.481 U	0.484 U	0.25 U	0.53 U	0.430 U	0.476 U	0.5 U	0.25 U	0.50 U	2.50 U
Aroclor 1254		0.481 U	0.484 U	0.25 U	0.53 U	0.430 U	0.476 U	0.5 U	0.25 U	0.50 U	2.50 U
Aroclor 1260		0.481 U	0.484 U	0.25 U	0.53 U	0.430 U	0.476 U	0.5 U	0.25 U	0.50 U	2.50 U

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-6	MW-6	MW-6	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A
	SDG ID	L0108838	L0111491	L0212604	3930	L0102437	L0108838	L0111491	L0202990	L0206116	L0209565
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	09/20/01	12/05/01	12/11/02	11/16/99	03/20/01	09/20/01	12/05/01	03/27/02	06/20/02	09/19/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.489 U	0.5 U	0.25 U	0.53 U	2.50 U	0.464 U	0.474 U	0.5 U	0.5 U	0.5 U
Aroclor 1232		0.489 U	0.5 U	0.25 U	0.53 U	2.50 U	0.464 U	0.474 U	0.5 U	0.5 U	0.5 U
Aroclor 1242/1016		0.489 U	0.5 U	0.25 U	0.53 U	2.50 U	0.464 U	0.474 U	0.5 U	0.5 U	0.5 U
Aroclor 1248		0.489 U	0.5 U	0.25 U	0.53 U	2.50 U	0.464 U	0.474 U	0.5 U	0.5 U	0.5 U
Aroclor 1254		0.489 U	0.5 U	0.25 U	0.12 J	2.50 U	0.464 U	0.474 U	0.5 U	0.5 U	0.5 U
Aroclor 1260		0.489 U	0.5 U	0.25 U	0.53 U	2.50 U	0.464 U	0.474 U	0.5 U	0.5 U	0.5 U

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-6A	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8A	MW-8A	MW-8A
	SDG ID	L0212604	3930	L0102437	L0107373	L0109029	L0111561	L0212377	3930	L0102437	L0107373
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/11/02	11/15/99	03/20/01	08/09/01	09/26/01	12/06/01	12/05/02	11/15/99	03/20/01	08/09/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.25 U	0.51 U	2.50 U	2.5 U	0.5 U	0.474 U	0.263 U	0.53 U	2.50 U	2.5 U
Aroclor 1232		0.25 U	0.51 U	2.50 U	2.5 U	0.5 U	0.474 U	0.263 U	0.53 U	2.50 U	2.5 U
Aroclor 1242/1016		0.282 *	0.51 U	2.50 U	2.5 U	0.5 U	0.474 U	0.263 U	0.53 U	2.50 U	2.5 U
Aroclor 1248		0.25 U	0.51 U	2.50 U	2.5 U	0.5 U	0.474 U	0.263 U	0.53 U	2.50 U	2.5 U
Aroclor 1254		0.25 U	0.51 U	2.50 U	2.5 U	0.5 U	0.474 U	0.263 U	0.53 U	2.50 U	2.5 U
Aroclor 1260		0.25 U	0.51 U	2.50 U	2.5 U	0.5 U	0.474 U	0.263 U	0.53 U	2.50 U	2.5 U

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-8A	MW-8A	MW-8A	MW-10	MW-10	MW-10	MW-10	MW-10A	MW-10AR	MW-10AR
	SDG ID	L0109029	L0111561	L0212377	L0102479	L0109029	L0111561	L0212520	L0102674	L0108901	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	09/26/01	12/06/01	12/05/02	03/21/01	09/27/01	12/06/01	12/10/02	03/27/01	09/24/01	12/06/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.5 U	0.489 UJ	0.25 U	2.50 U	0.5 U	0.479 U	0.258 U	0.474 U	0.5 U	0.5 UJ
Aroclor 1232		0.5 U	0.489 UJ	0.25 U	2.50 U	0.5 U	0.479 U	0.258 U	0.474 U	0.5 U	0.5 UJ
Aroclor 1242/1016		0.5 U	0.489 UJ	0.25 U	2.50 U	0.5 U	0.479 U	0.258 U	0.474 U	0.5 U	0.5 UJ
Aroclor 1248		0.5 U	0.489 UJ	0.25 U	2.50 U	0.5 U	0.479 U	0.258 U	0.474 U	0.5 U	0.5 UJ
Aroclor 1254		0.5 U	0.489 UJ	0.25 U	2.50 U	0.5 U	0.479 U	0.258 U	0.474 U	0.5 U	0.5 UJ
Aroclor 1260		0.5 U	0.489 UJ	0.25 U	2.50 U	0.5 U	0.479 U	0.258 U	0.474 U	0.5 U	0.5 UJ

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-10AR	MW-10B	MW-10B	MW-10B	MW-10B	MW-12	MW-12AR	MW-12AR	MW-12AR	MW-12AR
	SDG ID	L0212763	L0102479	L0109029	L0111561	L0212520	3958	L0102630	L0105431	L0109029	L0212735
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/17/02	03/21/01	09/27/01	12/06/01	12/10/02	11/18/99	03/26/01	06/14/01	09/26/01	12/16/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.25 U	2.50 U	0.5 U	0.469 U	0.256 U	0.52 U	0.417 U	0.426 U	0.5 U	0.5 U
Aroclor 1232		0.25 U	2.50 U	0.5 U	0.469 U	0.256 U	0.52 U	0.417 U	0.426 U	0.5 U	0.5 U
Aroclor 1242/1016		0.25 U	2.50 U	0.5 U	0.469 U	0.256 U	0.27 J*	0.417 U	0.426 U	2.26 *	1.07 *
Aroclor 1248		0.25 U	2.50 U	0.5 U	0.469 U	0.256 U	0.52 U	0.417 U	0.426 U	0.5 U	0.5 U
Aroclor 1254		0.25 U	2.50 U	0.5 U	0.469 U	0.256 U	0.52 U	0.417 U	0.426 U	0.5 U	0.5 U
Aroclor 1260		0.25 U	2.50 U	0.5 U	0.469 U	0.256 U	0.52 U	0.417 U	0.426 U	0.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

* - Altered PCB Aroclor.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A
	SDG ID	3970	L0102597	L0109029	L0111394	L0212377	3970	L0102597	L0108838	L0111394	L0212735
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/17/99	03/23/01	09/26/01	12/04/01	12/04/02	11/17/99	03/23/01	09/21/01	12/04/01	12/16/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.52 U	0.408 U	0.5 U	0.474 U	0.266 U	0.51 U	0.408 U	0.5 U	0.479 U	0.5 U
Aroclor 1232		0.52 U	0.408 U	0.5 U	0.474 U	0.266 U	0.51 U	0.408 U	0.5 U	0.479 U	0.5 U
Aroclor 1242/1016		0.26 J*	0.408 U	0.5 U	0.474 U	0.266 U	0.31 J*	0.408 U	0.5 U	0.479 U	0.5 U
Aroclor 1248		0.52 U	0.408 U	0.5 U	0.474 U	0.266 U	0.51 U	0.408 U	0.5 U	0.479 U	0.5 U
Aroclor 1254		0.52 U	0.408 U	0.5 U	0.474 U	0.266 U	0.51 U	0.408 U	0.5 U	0.479 U	0.5 U
Aroclor 1260		0.52 U	0.408 U	0.5 U	0.474 U	0.266 U	0.51 U	0.408 U	0.5 U	0.479 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

* - Altered PCB Aroclor.

O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-15
	SDG ID	3903	L0102408	L0105431	L0108838	L0111345	L0203024	L0206031	L0209565	L0212604	3886
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/12/99	03/19/01	06/14/01	09/21/01	12/03/01	03/29/02	06/19/02	09/18/02	12/11/02	11/10/99
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.52 U	2.50 U	0.43 U	0.459 U	0.474 U	0.538 U	0.5 U	0.5 U	0.25 U	0.56 U
Aroclor 1232		0.52 U	2.50 U	0.43 U	0.459 U	0.474 U	0.538 U	0.5 U	0.5 U	0.25 U	0.56 U
Aroclor 1242/1016		0.83 *	2.50 U	0.43 U	0.459 U	0.96*	0.538 U	0.5 U	0.5 U	0.25 U	1.5 *
Aroclor 1248		0.52 U	2.50 U	0.43 U	0.459 U	0.474 U	0.538 U	0.5 U	0.5 U	0.25 U	0.56 U
Aroclor 1254		0.52 U	2.50 U	0.43 U	0.459 U	0.474 U	0.538 U	0.5 U	0.5 U	0.25 U	0.56 U
Aroclor 1260		0.52 U	2.50 U	0.43 U	0.459 U	0.474 U	0.538 U	0.5 U	0.5 U	0.25 U	0.56 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

* - Altered PCB Aroclor.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-16	MW-16
	SDG ID	L0102408	L0105431	L0108729	L0111345	L0202937	L0206031	L0209565	L0212735	3886	L0102479
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/19/01	06/13/01	09/18/01	12/03/01	03/26/02	06/19/02	09/19/02	12/16/02	11/11/99	03/21/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		2.50 U	0.417 U	0.5 U	0.479 U	0.5 U	0.521 U	0.5 U	0.5 U	0.52 U	2.50 U
Aroclor 1232		2.50 U	0.417 U	0.5 U	0.479 U	0.5 U	0.521 U	0.5 U	0.5 U	0.52 U	2.50 U
Aroclor 1242/1016		3.70 J*	0.417 U	R	2.24*	1.26 *	1.28 *	1.71 *	2.66 *	0.52 U	2.50 U
Aroclor 1248		2.50 U	0.417 U	0.5 U	0.479 U	0.5 U	0.521 U	0.5 U	0.5 U	0.52 U	2.50 U
Aroclor 1254		2.50 U	0.417 U	0.5 U	0.479 U	0.5 U	0.521 U	0.5 U	0.5 U	0.090 J	2.50 U
Aroclor 1260		2.50 U	0.417 U	0.5 U	0.479 U	0.5 U	0.521 U	0.5 U	0.5 U	0.52 U	2.50 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

* - Altered PCB Aroclor.

O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17	MW-17 12/6	MW-17	MW-22A
	SDG ID	L0105431	L0108729	L0111345	L0212246	3958	L0102674	L0108838	L0111561	L0212763	3970
	Dilution Factor	1	1	1	1	1	1	1	1	1	5
	Sample Date	06/13/01	09/18/01	12/03/01	12/02/02	11/18/99	03/27/01	09/21/01	12/06/01	12/17/02	11/17/99
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.408 U	0.464 U	0.476 U	0.25 U	0.53 U	0.469 U	0.5 U	0.489 U	0.25 U	2.6 U
Aroclor 1232		0.408 U	0.464 U	0.476 U	0.25 U	0.53 U	0.469 U	0.5 U	0.489 U	0.25 U	2.6 U
Aroclor 1242/1016		0.408 U	0.464 U	0.476 U	0.25 U	0.53 U	0.469 U	0.5 U	0.489 U	0.25 U	22 *
Aroclor 1248		0.408 U	0.464 U	0.476 U	0.25 U	0.53 U	0.469 U	0.5 U	0.489 U	0.25 U	2.6 U
Aroclor 1254		0.408 U	0.464 U	0.476 U	0.25 U	0.53 U	0.469 U	0.5 U	0.489 U	0.25 U	2.6 U
Aroclor 1260		0.408 U	0.464 U	0.476 U	0.25 U	0.53 U	0.469 U	0.5 U	0.489 U	0.25 U	3.2

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

* - Altered PCB Aroclor.

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-22A	MW-22A	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24
	SDG ID	L0102674	L0109029	3886	L0102408	L0105431	L0108729	L0111345	L0202990	L0206031	L0209565
	Dilution Factor	10	25	10	5	1	1	1	1,10	5	1 and 25
	Sample Date	03/27/01	09/27/01	11/11/99	03/19/01	06/13/01	09/19/01	12/03/01	03/28/02	06/18/02	09/19/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		4.64 U	12.5 U	5.1 U	12.5 U	0.435 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
Aroclor 1232		4.64 U	12.5 U	5.1 U	12.5 U	0.435 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
Aroclor 1242/1016		4.64 U	61.2 J*	47 *	36.7 J*	0.435 U	R	26* J	17 J	13.1 *	35.5 *
Aroclor 1248		4.64 U	12.5 U	5.1 U	12.5 U	0.435 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
Aroclor 1254		4.64 U	12.5 U	5.1 U	12.5 U	0.435 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
Aroclor 1260		4.64 U	12.5 U	5.1 U	12.5 U	0.435 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

* - Altered PCB Aroclor.

O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	MW-24	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	ECJ-1-37	ECJ-1-35' 1715	ECJ-1-37'	ECJ-1-37'
	SDG ID	L0212604	3958	L0102627	L0109029	L0111394	L0212604	4237	L0102627	L0105697	L0108767
	Dilution Factor	1	5	1	1	1	1	1	1	1	1
	Sample Date	12/11/02	11/18/99	03/23/01	09/26/01	12/04/01	12/12/02	12/19/99	03/24/01	06/22/01	09/19/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.25 U	2.6 U	0.400 U	0.5 U	0.459 U	0.25 U	0.53 U	0.500 U	0.5 U	0.474 U
Aroclor 1232		0.25 U	2.6 U	0.400 U	0.5 U	0.459 U	0.25 U	0.53 U	0.500 U	0.5 U	0.474 U
Aroclor 1242/1016		23.6 *	14 *	0.400 U	4.07	2.53 *	4.9 J*	1.1 *	0.500 U	0.5 U	0.474 U
Aroclor 1248		0.25 U	2.6 U	0.400 U	0.5 U	0.459 U	6.32 *	0.53 U	0.500 U	0.5 U	0.474 U
Aroclor 1254		0.25 U	2.6 U	0.400 U	1.76	0.459 U	1.37	0.53 U	2.85 J*	1.67 J	1.12 J
Aroclor 1260		0.25 U	2.6 U	0.400 U	0.5 U	0.459 U	0.25 U	0.53 U	0.500 U	0.5 U	0.474 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

* - Altered PCB Aroclor.

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	ECJ-1-37	ECJ-1-37	ECJ-1-62	ECJ-1-60' 1555	ECJ-1-62'	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-72	ECJ-1-70' 1500
	SDG ID	L0111395	L0212377	4237	L0102627	L0105697	L0108729	L0111395	L0212377	4237	L0102625
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/04/01	12/04/02	12/18/99	03/24/01	06/22/01	09/19/01	12/04/01	12/04/02	12/18/99	03/24/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.459 U	0.258 U	0.56 UJ	0.374 U	0.464 U	0.474 U	0.459 U	0.258 U	0.57 UJ	0.355 U
Aroclor 1232		0.459 U	0.258 U	0.56 UJ	0.374 U	0.464 U	0.474 U	0.459 U	0.258 U	0.57 UJ	0.355 U
Aroclor 1242/1016		1.82 *	1.35	0.52 J*	0.374 U	0.464 U	R	0.459 U	0.258 U	0.57 UJ	0.355 U
Aroclor 1248		0.459 U	0.258 U	0.56 UJ	0.374 U	0.464 U	0.474 U	0.459 U	0.258 U	0.57 UJ	0.355 U
Aroclor 1254		4.29 *	0.258 U	0.56 UJ	0.747 J*	0.464 U	0.474 U	0.459 U	0.258 U	0.57 UJ	0.355 U
Aroclor 1260		0.459 U	0.258 U	0.56 UJ	0.374 U	0.464 U	0.474 U	0.459 U	0.258 U	0.57 UJ	0.355 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

* - Altered PCB Aroclor.

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	ECJ-1-72'	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-122	ECJ-1-120' 1120	ECJ-1-122'	ECJ-1-122	ECJ-1-122	ECJ-1-122
	SDG ID	L0105697	L0108729	L0111395	L0212377	4237	L0102625	L0105697	L0108729	L0111395	L0212377
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	06/22/01	09/19/01	12/04/01	12/04/02	12/18/99	03/24/01	06/21/01	09/19/01	12/04/01	12/03/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.479 U	0.5 U	0.5 U	0.25 U	0.58 U	0.410 U	0.489 U	0.5 U	0.459 U	0.25 U
Aroclor 1232		0.479 U	0.5 U	0.5 U	0.25 U	0.58 U	0.410 U	0.489 U	0.5 U	0.459 U	0.25 U
Aroclor 1242/1016		0.479 U	0.5 U	0.5 U	0.25 U	0.58 U	0.410 U	1.56	R	3.27 *	1.62 J*
Aroclor 1248		0.479 U	0.5 U	0.5 U	0.25 U	0.58 U	0.410 U	0.489 U	0.5 U	0.459 U	0.25 U
Aroclor 1254		0.479 U	0.5 U	0.5 U	0.25 U	0.58 U	0.410 U	0.489 U	0.5 U	0.459 U	0.986 *
Aroclor 1260		0.479 U	0.5 U	0.5 U	0.25 U	0.58 U	0.410 U	0.489 U	0.5 U	0.459 U	0.25 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

* - Altered PCB Aroclor.

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	ECJ-1-148	ECJ-1-145' 1030	ECJ-1-148'	ECJ-1-146	ECJ-1-148	ECJ-1-148	ECJ-1-267	ECJ-1-265' 1600	ECJ-1-267'	ECJ-1-267
	SDG ID	4237	L0102625	L0105697	L0108729	L0111395	L0212246	4237	L0102597	L0105697	L0108729
	Dilution Factor	1	1	1	1	1	5	1	1	1	1
	Sample Date	12/17/99	03/24/01	06/21/01	09/19/01	12/04/01	12/03/02	12/17/99	03/23/01	06/21/01	09/19/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.53 U	0.417 U	0.459 U	0.5 U	0.459 U	0.25 U	0.53 U	0.410 U	0.459 U	0.454 U
Aroclor 1232		0.53 U	0.417 U	0.459 U	0.5 U	0.459 U	0.25 U	0.53 U	0.410 U	0.459 U	0.454 U
Aroclor 1242/1016		0.44 J*	0.417 U	0.459 U	R	2.60 *	4.24 *	0.53 U	0.410 U	0.459 U	0.454 U
Aroclor 1248		0.53 U	0.417 U	0.459 U	0.5 U	0.459 U	0.25 U	0.53 U	0.410 U	0.459 U	0.454 U
Aroclor 1254		0.53 U	0.417 U	0.459 U	0.5 U	0.459 U	0.882 *	0.53 U	0.410 U	0.459 U	0.454 U
Aroclor 1260		0.53 U	0.417 U	0.459 U	0.5 U	0.459 U	0.338	0.53 U	0.410 U	0.459 U	0.454 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

* - Altered PCB Aroclor.

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2-47' 0925	ECJ-2-47'	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-82	ECJ-2-82' 15:25
	SDG ID	L0111344	L0212246	4345	L0102765	L0105640	L0108838	L0111491	L0212604	4345	L0102727
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/03/01	12/03/02	01/03/00	03/29/01	06/20/01	09/21/01	12/05/01	12/11/02	01/03/00	03/28/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.489 U	0.25 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.25 U	0.51 U	0.464 U
Aroclor 1232		0.489 U	0.25 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.25 U	0.51 U	0.464 U
Aroclor 1242/1016		0.489 U	0.25 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.25 U	0.51 U	0.464 U
Aroclor 1248		0.489 U	0.25 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.25 U	0.51 U	0.464 U
Aroclor 1254		0.489 U	0.25 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.25 U	0.51 U	0.464 U
Aroclor 1260		0.489 U	0.25 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.25 U	0.51 U	0.464 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

* - Altered PCB Aroclor.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	ECJ-2-82'	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-117	ECJ-2-117' 13:25	ECJ-2-117'	ECJ-2-117	ECJ-2-117	ECJ-2-117
	SDG ID	L0105640	L0108838	L0111491	L0212604	4345	L0102727	L0105640	L0108838	L0111491	L0212604
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	06/20/01	09/20/01	12/05/01	12/11/02	01/03/00	03/28/01	06/20/01	09/20/01	12/05/01	12/11/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.404 U	0.47 U	0.479 U	0.255 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.266 U
Aroclor 1232		0.404 U	0.47 U	0.479 U	0.255 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.266 U
Aroclor 1242/1016		0.404 U	0.47 U	0.479 U	0.255 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.266 U
Aroclor 1248		0.404 U	0.47 U	0.479 U	0.255 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.266 U
Aroclor 1254		0.404 U	0.47 U	0.479 U	0.255 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.266 U
Aroclor 1260		0.404 U	0.47 U	0.479 U	0.255 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.266 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	ECJ-2-152	ECJ-2-152' 11:20	ECJ-2-152'	ECJ-2-152'	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187' 9:30	ECJ-2-187'	ECJ-2-187
	SDG ID	4249	L0102727	L0105640	L0108767	L0111491	L0212604	4249	L0102727	L0108767	L0111491
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/20/99	03/28/01	06/20/01	09/20/01	12/05/01	12/11/02	12/19/99	03/28/01	09/20/01	12/05/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.58 U	0.474 U	0.4 U	0.494 U	0.5 U	0.256 U	0.53 U	0.459 U	0.5 U	0.479 U
Aroclor 1232		0.58 U	0.474 U	0.4 U	0.494 U	0.5 U	0.256 U	0.53 U	0.459 U	0.5 U	0.479 U
Aroclor 1242/1016		0.58 U	0.474 U	0.4 U	0.494 U	0.5 U	0.256 U	0.53 U	0.459 U	0.5 U	0.479 U
Aroclor 1248		0.58 U	0.474 U	0.4 U	0.494 U	0.5 U	0.256 U	0.53 U	0.459 U	0.5 U	0.479 U
Aroclor 1254		0.58 U	0.474 U	0.4 U	0.494 U	0.5 U	0.256 U	0.53 U	0.459 U	0.5 U	0.479 U
Aroclor 1260		0.58 U	0.474 U	0.4 U	0.494 U	0.5 U	0.256 U	0.53 U	0.459 U	0.5 U	0.479 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	ECJ-2-187	ECJ-3-63' 14:40	ECJ-3-51'	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-103' 11:35	ECJ-3-91'	ECJ-3-91	ECJ-3-91
	SDG ID	L0212604	L0102960	L0105697	L0108729	L0111344	L0212246	L0102960	L0105697	L0108729	L0111344
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/11/02	04/03/01	06/21/01	09/18/01	12/03/01	12/02/02	04/03/01	06/21/01	09/18/01	12/03/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.258 U	0.469 U	0.454 U	0.476 U	0.459 U	0.25 U	0.500 U	0.469 U	0.46 U	0.459 U
Aroclor 1232		0.258 U	0.469 U	0.454 U	0.476 U	0.459 U	0.25 U	0.500 U	0.469 U	0.46 U	0.459 U
Aroclor 1242/1016		0.258 U	0.469 U	0.454 U	0.476 U	0.459 U	0.25 U	0.500 U	0.469 U	0.46 U	0.459 U
Aroclor 1248		0.258 U	0.469 U	0.454 U	0.476 U	0.459 U	0.25 U	0.500 U	0.469 U	0.46 U	0.459 U
Aroclor 1254		0.258 U	0.469 U	0.454 U	0.476 U	0.459 U	0.25 U	0.500 U	0.469 U	0.46 U	0.459 U
Aroclor 1260		0.258 U	0.469 U	0.454 U	0.476 U	0.459 U	0.25 U	0.500 U	0.469 U	0.46 U	0.459 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	ECJ-3-91	ECJ-3-138' 10:30	ECJ-3-126'	ECJ-3-126	ECJ-3-126	ECJ-3-126	ECJ-3-146	ECJ-3-146	ECJ-3-146	ECJ-4-62
	SDG ID	L0212246	L0102960	L0105640	L0108729	L0111344	L0212246	L0108729	L0111344	L0212246	4357
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/02/02	04/03/01	06/21/01	09/18/01	12/03/01	12/02/02	09/18/01	12/03/01	12/02/02	01/05/00
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.25 U	0.484 U	0.44 U	0.474 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.52 U
Aroclor 1232		0.25 U	0.484 U	0.44 U	0.474 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.52 U
Aroclor 1242/1016		0.25 U	0.484 U	0.44 U	0.474 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.52 U
Aroclor 1248		0.25 U	0.484 U	0.44 U	0.474 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.52 U
Aroclor 1254		0.25 U	0.484 U	0.44 U	0.474 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.52 U
Aroclor 1260		0.25 U	0.484 U	0.44 U	0.474 U	0.5 U	0.25 U	0.5 U	0.5 U	0.25 U	0.52 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

Compound	Sample ID	ECJ-4-60' 11:30	ECJ-4-60'	ECJ-4-60'	ECJ-4-62	ECJ-4-62	ECJ-4-87	ECJ-4-85' 10:20	ECJ-4-85'	ECJ-4-85'	ECJ-4-87
	SDG ID	L0102730	L0107373	L0109029	L0111561	L0212520	4357	L0102730	L01073'/3	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/27/01	08/09/01	09/26/01	12/06/01	12/09/02	01/05/00	03/27/01	08/09/01	09/26/01	12/06/01
	Units	ug/L	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	WATER
Aroclor 1221		0.500 U	2.5 U	0.464 U	0.462 U	0.26 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U
Aroclor 1232		0.500 U	2.5 U	0.464 U	0.462 U	0.26 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U
Aroclor 1242/1016		0.500 U	2.5 U	0.464 U	0.462 U	0.26 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U
Aroclor 1248		0.500 U	2.5 U	0.464 U	0.462 U	0.26 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U
Aroclor 1254		0.500 U	2.5 U	0.464 U	0.462 U	0.26 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U
Aroclor 1260		0.500 U	2.5 U	0.464 U	0.462 U	0.26 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

Compound	Sample ID	ECJ-4-87	ECJ-4-132	ECJ-4-130' 16:00	ECJ-4-130'	ECJ-4-130'	ECJ-4-132	ECJ-4-132	ECJ-4-162	ECJ-4-160' 14:40	ECJ-4-160'
	SDG ID	L0212520	4345	L0102674	L0107373	L0109029	L0111561	L0212520	4345	L0102629	L0107373
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/09/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01	12/09/02	01/04/00	03/26/01	08/09/01
	Units	ug/L	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	WATER
Aroclor 1221		0.26 U	0.53 U	0.440 U	2.5 U	0.469 U	2.37 U	0.258 U	0.58 U	0.319 U	2.5 U
Aroclor 1232		0.26 U	0.53 U	0.440 U	2.5 U	0.469 U	2.37 U	0.258 U	0.58 U	0.319 U	2.5 U
Aroclor 1242/1016		0.26 U	0.53 U	0.440 U	2.5 U	0.469 U	2.37 U	0.258 U	0.58 U	0.319 U	2.5 U
Aroclor 1248		0.26 U	0.53 U	0.440 U	2.5 U	0.469 U	2.37 U	0.258 U	0.58 U	0.319 U	2.5 U
Aroclor 1254		0.26 U	0.53 U	0.440 U	2.5 U	0.469 U	2.37 U	0.258 U	0.58 U	0.319 U	2.5 U
Aroclor 1260		0.26 U	0.53 U	0.440 U	2.5 U	0.469 U	2.37 U	0.258 U	0.58 U	0.319 U	2.5 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	ECJ-4-160'	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-225' 11:40	ECJ-4-225'	ECJ-4-223'	ECJ-4-227	ECJ-4-227	ECJ-4-245
	SDG ID	L0109029	L0111561	L0212520	4345	L0102629	L0107373	L0109029	L0111561	L0212377	4345
	Dilution Factor	1	1	1	1	1	1	1	1	2	1
	Sample Date	09/26/01	12/06/01	12/09/02	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01	12/05/02	01/04/00
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.481 U	0.5 U	0.255 U	0.58 U	0.440 U	2.5 U	0.481 U	0.484 U	0.5 U	0.52 U
Aroclor 1232		0.481 U	0.5 U	0.255 U	0.58 U	0.440 U	2.5 U	0.481 U	0.484 U	0.5 U	0.52 U
Aroclor 1242/1016		0.481 U	0.5 U	0.255 U	0.58 U	0.440 U	2.5 U	0.481 U	0.484 U	0.5 U	0.52 U
Aroclor 1248		0.481 U	0.5 U	0.255 U	0.58 U	0.440 U	2.5 U	0.481 U	0.484 U	0.5 U	0.52 U
Aroclor 1254		0.481 U	0.5 U	0.255 U	0.58 U	0.440 U	2.5 U	0.481 U	0.484 U	0.5 U	0.52 U
Aroclor 1260		0.481 U	0.5 U	0.255 U	0.58 U	0.440 U	2.5 U	0.481 U	0.484 U	0.5 U	0.52 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	ECJ-4-245' 10:00	ECJ-4-245'	ECJ-4-245'	ECJ-4-245	ECJ-4-245	Equipment Blank
	SDG ID	L0102629	L0107373	L0109029	L0111561	L0212377	L0212763
	Dilution Factor	1	1	1	1	2	1
	Sample Date	03/26/01	08/09/01	09/26/01	12/06/01	12/05/02	12/17/02
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.447 U	2.5 U	0.466 U	0.476 U	0.5 U	0.25 U
Aroclor 1232		0.447 U	2.5 U	0.466 U	0.476 U	0.5 U	0.25 U
Aroclor 1242/1016		0.447 U	2.5 U	0.466 U	0.476 U	0.5 U	0.25 U
Aroclor 1248		0.447 U	2.5 U	0.466 U	0.476 U	0.5 U	0.25 U
Aroclor 1254		0.447 U	2.5 U	0.466 U	0.476 U	0.5 U	0.25 U
Aroclor 1260		0.447 U	2.5 U	0.466 U	0.476 U	0.5 U	0.25 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	BEI-1	BEI-1	INF-BEI-1	BEI-1	BEI-1	BEI-1	BEI-1	BEI-2	BEI-2	INF-BEI-2
	SDG ID	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561
	Dilution Factor		1	1	1	1	1	1		1	1
	Sample Date	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.10 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.10 U	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	—	—	—	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	—	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.51	0.76	0.55	0.55	0.56 J	0.57	0.51	0.71	0.66	0.68
Beryllium		0.005 U	0.005 U	0.005 U	—	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	—	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		61	81	62	—	—	—	55	93	90	92
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	—	—	—	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.06	0.01 U
Iron		45	60	41	54	54 J	52	48	58	58	55
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		15	19	15	—	—	—	13	18	17	18
Manganese		10	11	9.7	—	—	—	8.8	7.8	7.6	8.6
Mercury		0.0005 U	0.0005 U	0.0005 U	—	—	—	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		0.05 U	0.05 U	0.05 U	—	—	—	—	0.05 U	0.05 U	0.05 U
Nickel		0.025 U	0.025 U	0.025 U	—	—	—	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		6.8	7.9	6.6	—	—	—	7.7	8.1	7.7	6.4
Selenium		0.005 U	0.005 U	0.005 U	—	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 UJ	0.007 U	0.007 U	—	—	—	0.007 U	0.01 UJ	0.007 U	0.007 U
Sodium		57	58	54	—	—	—	66	89	83	63
Thallium		0.005 U	0.005 U	0.005 U	—	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.06	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	BEI-2	BEI-2	BEI-2	BEI-2	BEI-3	BEI-3	INF-BEI-3	BEI-3	BEI-3	BEI-3
	SDG ID	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486
	Dilution Factor	1	1	1	1		1	1	1	1	1
	Sample Date	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 UJ	0.1 U	0.1 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Antimony		—	—	—	0.05 U	0.05 U	0.05 U	0.05 U	—	—	—
Arsenic		—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	—
Barium		0.66	0.69 J	0.68	0.67	0.09	0.09	0.09	0.1	0.11 J	0.12
Beryllium		—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	—
Cadmium		—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	—
Calcium		—	—	—	85	85	88	86	—	—	—
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		—	—	—	0.02 U	0.02 U	0.02 U	0.02 U	—	—	—
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01
Iron		54	61 J	59	60	1.3	2.4	2.4	2	2.3 J	2.4
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		—	—	—	16	11	12	11	—	—	—
Manganese		—	—	—	7.6	5.3	6.8	8	—	—	—
Mercury		—	—	—	0.0005 U	0.0005 U	0.0005 U	0.0005 U	—	—	—
Molybdenum		—	—	—	—	0.05 U	0.05 U	0.05 U	—	—	—
Nickel		—	—	—	0.025 U	0.025 U	0.025 U	0.025 U	—	—	—
Potassium		—	—	—	8.7	4.2	4.2	3.8	—	—	—
Selenium		—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	—
Silver		—	—	—	0.007 U	0.01 UJ	0.007 U	0.007 U	—	—	—
Sodium		—	—	—	88	32	27	26	—	—	—
Thallium		—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	—
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	0.14	0.05	0.05	0.05 U	0.05 U	0.05

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	BEI-3	OBG-1	OBG-1	INF-OBG-1	OBG-1	OBG-1	OBG-1	OBG-2	OBG-2	INF-OBG-2
	SDG ID	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0212377	L0102477	L0108901	L0111561
	Dilution Factor	1		1	1	1	1	1		1	1
	Sample Date	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	12/05/02	03/21/01	09/24/01	12/06/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.11	0.1 U	0.1 U	0.25	0.17 J	0.1 U	0.10 U	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.12	1.1	1.5	1.3	1.5	1.3 J	1.2	1.8	1.9	1.8
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		83	74	100	83	—	—	73	110	110	110
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.07	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		2.2	46	54	52	120	68 J	49	73	76	70
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		11	20	25	22	—	—	19	25	26	25
Manganese		9.4	7.9	8.2	7.5	—	—	8.5	6.5	6.9	5.8
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	—	—	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	0.05 U	0.05 U	0.05 U	—	—	—	0.05 U	0.05 U	0.05 U
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.053	0.025 U	0.025 U	0.025 U
Potassium		4.7	9.1	10	8.8	—	—	9.8	12	12	11
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.01 UJ	0.007 U	0.007 U	—	—	0.007 U	0.01 UJ	0.007 U	0.007 U
Sodium		32	61	66	61	—	—	75	78	83	73
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.06	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	OBG-2	OBG-2	OBG-2	OBG-2	OBG-3	OBG-3	INF-OBG-3	OBG-3	OBG-3	OBG-3
	SDG ID	L0203390	L0206116	L0209486	L0212377	L0102477	L0108901	L0111561	L0203390	L0206116	L0209486
	Dilution Factor	1	1	1	1		1	1	1	1	1
	Sample Date	04/09/02	06/20/02	09/18/02	12/05/02	03/21/01	09/24/01	12/06/01	04/09/02	06/20/02	09/18/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 UJ	0.1 U	0.1 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Antimony		—	—	—	0.05 U	0.05 U	0.05 U	0.05 U	—	—	—
Arsenic		—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	—
Barium		1.8	1.7 J	1.6	1.6	0.57	0.67	0.67	0.68	0.65 J	0.65
Beryllium		—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	—
Cadmium		—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	—
Calcium		—	—	—	96	110	120	120	—	—	—
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.01 U
Cobalt		—	—	—	0.02 U	0.02 U	0.02 U	0.02 U	—	—	—
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.03	0.01 U	0.01 U	0.07	0.01 U	0.01
Iron		80	75 J	67	69	53	62	60	51	57 J	62
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.016	0.005 U	0.005 U	0.022	0.005 U	0.005 U
Magnesium		—	—	—	20	21	22	23	—	—	—
Manganese		—	—	—	6	8.3	9.6	11	—	—	—
Mercury		—	—	—	0.0005 U	0.0005 U	0.0005 U	0.0005 U	—	—	—
Molybdenum		—	—	—	—	0.05 U	0.05 U	0.05 U	—	—	—
Nickel		—	—	—	0.025 U	0.025 U	0.026	0.025 U	—	—	—
Potassium		—	—	—	13	7.4	8.1	6.4	—	—	—
Selenium		—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	—
Silver		—	—	—	0.007 U	0.01 UJ	0.007 U	0.007 U	—	—	—
Sodium		—	—	—	99	60	73	55	—	—	—
Thallium		—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	—
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	0.15	0.05	0.05 U	0.82	0.06	0.46

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	TRENCH	Collection Trench	Collection Trench	Collection Trench	Recovery Trench	Shallow Trench	MW-2	MW-2 (FF)	MW-2	MW-2
	SDG ID	L0102477	L0111561	L0203390	L0206116	L0209486	L0212377	3903	3903	L0102408	L0106286
	Dilution Factor		1	1	1	1	1	1	1		1
	Sample Date	03/21/01	12/07/01	04/09/02	06/20/02	09/18/02	12/05/02	11/12/99	11/12/99	03/19/01	06/14/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.10 U	0.13	0.1 U	0.1 UJ	0.1 U	0.18	—	—	0.10 U	0.17
Antimony		0.05 U	0.05 U	—	—	—	0.05 U	—	—	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.84	0.71	1	0.94 J	0.97	0.9	0.02 J	0.02 J	0.03	0.11
Beryllium		0.005 U	0.005 U	—	—	—	0.005 U	—	—	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	—	—	—	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U
Calcium		84	75	—	—	—	78	—	—	50	84
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.004 J	0.004 J	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	—	—	—	0.02 U	—	—	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U
Iron		83	90	78	86 J	73	86	—	—	22	64
Lead		0.005 U	0.005 U	0.006	0.01	0.005 U	0.007	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		15	14	—	—	—	14	—	—	17	23
Manganese		1.8	2	—	—	—	2.1	—	—	4.0	5.2
Mercury		0.0005 U	0.0005 U	—	—	—	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U
Molybdenum		0.05 U	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	—	—	—	0.025 U	—	—	0.025 U	0.025 U
Potassium		9.9	8.6	—	—	—	11	—	—	5.2	10
Selenium		0.005 U	0.005 U	—	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 UJ	0.007 U	—	—	—	0.007 U	0.01 U	0.01 U	0.01 UJ	0.007 U
Sodium		99	81	—	—	—	110	—	—	52	86
Thallium		0.005 U	0.005 U	—	—	—	0.005 U	—	—	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U
Zinc		0.07	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-2	MW-2	MW-2	MW-4	MW-4 (FF)	MW-4	MW-4	MW-4	MW-4	MW-4
	SDG ID	L0108729	L0111345	L0212735	3930	3930	L0102674	L0106196	L0108767	L0111491	L0212604
	Dilution Factor	1	1	1	1	1		1	1	1	1
	Sample Date	09/19/01	12/03/01	12/16/02	11/15/99	11/15/99	03/26/01	06/18/01	09/20/01	12/05/01	12/12/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	—	—	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U
Barium		0.09	0.09	0.06	0.1	0.1	0.14	0.13	0.13	0.13	0.13
Beryllium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		81	75	57	—	—	48	46	46	43	41
Chromium		0.01 U	0.01 U	0.01 U	0.002 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		58	54	39	—	—	7.9	7.3	7.8	7.7	7.8
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		22	21	17	—	—	9.6	9.1	9	8.6	8.5
Manganese		5	4.7	3.9	—	—	1.9	1.7	1.8	1.8	1.8
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		9.4	8.2	6.2	—	—	2.0 U	1.6	1.8	1.6	2.1
Selenium		0.005 U	0.005 U	0.005 U	0.002 J	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 UJ	0.007 U
Sodium		80	72	58	—	—	33	31	32	27	30
Thallium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-4A	MW-4A (FF)	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A	MW-5	MW-5	MW-5
	SDG ID	3930	3930	L0102627	L0106196	L0108767	L0111491	L0212763	3930	L0102630	L0106267
	Dilution Factor	1	1		1	1	1	1	1		1
	Sample Date	11/15/99	11/15/99	03/24/01	06/18/01	09/20/01	12/05/01	12/17/02	11/16/99	03/26/01	06/15/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		—	—	0.34	0.24	0.17	0.17	0.24	—	0.10 U	0.1 U
Antimony		—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.07 J	0.07 J	0.03	0.05	0.06	0.06	0.08	0.07 J	0.08	0.08
Beryllium		—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U
Cadmium		0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U
Calcium		—	—	18	24	34	31	32	—	120	120
Chromium		0.004 J	0.002 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.004 J	0.01 U	0.01 U
Cobalt		—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	0.02 U	0.02 U
Copper		—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U	0.01 U
Iron		—	—	6.5	26	30	30	15	—	0.050 U	0.05 U
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		—	—	2.7	4	7.9	6.9	5	—	24	24
Manganese		—	—	0.67	1.7	3.2	3	1.3	—	0.08	0.04
Mercury		0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	0.025 U	0.025 U
Potassium		—	—	2.0 U	1.9	3	3.2	2	—	6.1	6.5
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 UJ	0.007 U	0.01 U	0.01 U	0.007 U
Sodium		—	—	42	120	150	130	140	—	100	110
Thallium		—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U
Vanadium		—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U	0.01 U
Zinc		—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-5	MW-5	MW-5	MW-5A	MW-5A (FF)	MW-5A	MW-5A	MW-5A	MW-5A	MW-5A
	SDG ID	L0108767	L0111491	L0212604	3930	3930	L0102630	L0106267	L0108767	L0111491	L0212604
	Dilution Factor	1	1	1	1	1		1	1	1	1
	Sample Date	09/20/01	12/05/01	12/12/02	11/16/99	11/16/99	03/26/01	06/15/01	09/20/01	12/05/01	12/12/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	—	—	0.21	0.1 U	0.1 U	0.1 U	0.14
Antimony		0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U
Barium		0.08	0.08	0.08	0.2	0.2	0.16	0.13	0.13	0.12	0.15
Beryllium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		120	120	110	—	—	35	25	28	28	31
Chromium		0.01 U	0.01 U	0.01 U	0.003 J	0.001 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		0.05 U	0.05	0.21	—	—	0.07	0.05 U	0.05 U	0.05 U	0.12
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		23	24	22	—	—	8.4	5.3	6	6.9	9
Manganese		0.07	0.08	0.18	—	—	0.01	0.01 U	0.01	0.01	0.01
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		6.5	6.1	8.3	—	—	5.9	5.6	5.9	5.3	8.5
Selenium		0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U
Silver		0.007 U	0.007 UJ	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 UJ	0.007 U
Sodium		110	110	130	—	—	220	220	220	190	240
Thallium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-6	MW-6 (FF)	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6A	MW-6A	MW-6A
	SDG ID	3970	3970	L0102437	L0106196	L0108838	L0111491	L0212604	3930	L0102437	L0106196
	Dilution Factor	1	1		1	1	1	1	1		1
	Sample Date	11/17/99	11/17/99	03/20/01	06/19/01	09/20/01	12/05/01	12/11/02	11/16/99	03/20/01	06/19/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		—	—	0.10 U	0.13	0.1 U	0.1 U	0.1 U	—	0.10 U	0.13
Antimony		—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.03 J	0.03 J	0.03	0.03	0.04	0.04	0.03	0.06 J	0.06	0.08
Beryllium		—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U
Cadmium		0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U
Calcium		—	—	86	96	100	100	92	—	76	87
Chromium		0.004 J	0.003 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.003 J	0.01 U	0.01 U
Cobalt		—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	0.02 U	0.02 U
Copper		—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U	0.01 U
Iron		—	—	18	6.7	8.3	9.4	11	—	11	12
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		—	—	28	30	32	32	27	—	24	26
Manganese		—	—	7.2	7.6	9.1	8.5	6.4	—	8.5	9.1
Mercury		0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	0.025 U	0.025 U
Potassium		—	—	5.0	5	5.8	5.4	5.4	—	8.7	10
Selenium		0.005 U	0.002 J	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 U	0.01 U	0.01 UJ	0.007 U	0.007 U	0.007 UJ	0.007 U	0.01 U	0.01 UJ	0.007 U
Sodium		—	—	63	65	80	77	73	—	94	110
Thallium		—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U
Vanadium		—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U	0.01 U
Zinc		—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-6A	MW-6A	MW-6A	MW-8	MW-8 (FF)	MW-8	MW-8	MW-8	MW-8	MW-8
	SDG ID	L0108838	L0111491	L0212604	3930	3930	L0102437	L0107373	L0109029	L0111561	L0212377
	Dilution Factor	1	1	1	1	1		1	1	1	1
	Sample Date	09/20/01	12/05/01	12/11/02	11/15/99	11/15/99	03/20/01	08/09/01	09/26/01	12/06/01	12/05/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	—	—	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.09	0.08	0.06	0.02 J	0.01 J	0.01	0.01	0.01	0.01	0.01
Beryllium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		87	83	64	—	—	110	120	120	110	120
Chromium		0.01 U	0.01 U	0.01 U	0.01	0.003 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		12	11	8.3	—	—	11	7.6	2.7	7.1	6.4
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		25	25	19	—	—	45	47	48	46	48
Manganese		9.2	8.7	7	—	—	0.02	0.01 U	0.01 U	0.01 U	0.02
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		12	11	10	—	—	3.5	3.4	3.5	3	4.3
Selenium		0.005 U	0.01 U	0.005 U	0.005	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 UJ	0.007 U	0.0005 J	0.01 U	0.01 UJ	0.007 U	0.007 U	0.007 U	0.007 U
Sodium		150	120	110	—	—	44	46	46	41	52
Thallium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-8A	MW-8A (FF)	MW-8A	MW-8A	MW-8A	MW-8A	MW-8A	MW-10	MW-10	MW-10
	SDG ID	3930	3930	L0102437	L0107373	L0109029	L0111561	L0212377	L0102479	L0106267	L0109029
	Dilution Factor	1	1		1	1	1	1		1	1
	Sample Date	11/15/99	11/15/99	03/20/01	08/09/01	09/26/01	12/06/01	12/05/02	03/21/01	06/15/01	09/27/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		—	—	7.0	10	2.6	1	15	0.12	0.1 U	0.23
Antimony		—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.03 J	0.03 J	0.06	0.08	0.04	0.04	0.11	0.01	0.01	0.02
Beryllium		—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		—	—	92	100	95	96	100	89	79	84
Chromium		0.006 J	0.004 J	0.13	0.06 J	0.01 U	0.01	0.1	0.01 U	0.01 U	0.01 U
Cobalt		—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		—	—	0.01	0.01	0.01 U	0.01 U	0.02	0.01 U	0.01 U	0.02
Iron		—	—	12	12	2.9	1.8	21	13	22	46
Lead		0.005 U	0.005 U	0.005	0.005 U	0.005 U	0.005 U	0.013	0.005 U	0.005 U	0.005 U
Magnesium		—	—	50	54	49	49	52	52	43	48
Manganese		—	—	0.14	0.15	0.04	0.03	0.25	0.07	0.02	0.1
Mercury		0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		—	—	5.4	6.4	4.8	4	8.8	3.7	3.5	3.7
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 U	0.01 U	0.01 UJ	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.007 U	0.007 U
Sodium		—	—	49	50	51	45	61	27	24	27
Thallium		—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		—	—	0.01	0.02	0.01 U	0.01 U	0.03	0.01 U	0.01 U	0.04
Zinc		—	—	0.05 U	0.05	0.05 U	0.05 U	0.07	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-10	MW-10	MW-10A	MW-10A	MW-10AR	MW-10AR	MW-10AR	MW-10B	MW-10B	MW-10B
	SDG ID	L0111561	L0212520	L0102674	L0106196	L0108901	L0111561	L0212763	L0102479	L0106196	L0109029
	Dilution Factor	1	1		1	1	1	1		1	1
	Sample Date	12/06/01	12/10/02	03/27/01	06/19/01	09/24/01	12/06/01	12/17/02	03/21/01	06/19/01	09/27/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	4.1	2.9	4.5	2.4	5.8	0.13	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.02	0.02	0.07	0.07	0.09	0.06	0.06	0.04	0.03	0.03
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		95	96	54	52	51	49	34	86	79	87
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.01 U	0.01	0.01 U	0.01 U	0.01 U
Iron		7	15	15	18	19	23	15	63	13	9.2
Lead		0.005 U	0.005 U	0.005 U	0.005	0.008	0.005 U	0.015	0.005 U	0.005 U	0.005 U
Magnesium		55	57	14	20	17	17	11	50	46	50
Manganese		0.14	0.03	2.2	1.8	2	2.9	1.6	0.19	0.08	0.09
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		3.5	4.5	3.5	4.1	4.7	3.2	3.4	3.8	3.6	3.9
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.01 U	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.007 U	0.007 U
Sodium		28	37	22	19	21	19	17	34	31	34
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01	0.01	0.01	0.01 U	0.01	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.06	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-10B	MW-10B	MW-12	MW-12AR	MW-12AR	MW-12AR	MW-12AR	MW-13	MW-13 (FF)	MW-13
	SDG ID	L0111561	L0212520	3958	L0102630	L0106286	L0109029	L0212735	3970	3970	L0102597
	Dilution Factor	1	1	1		1	1	1	1	1	
	Sample Date	12/06/01	12/10/02	11/18/99	03/26/01	06/14/01	09/26/01	12/16/02	11/17/99	11/17/99	03/23/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	—	0.32	0.1 U	0.1 U	0.1 U	—	—	0.19
Antimony		0.05 U	0.05 U	—	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.007	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.03	0.04	1	1.2	0.79	0.97	0.94	0.5	0.5	0.24
Beryllium		0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U
Cadmium		0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U
Calcium		92	88	—	98	80	99	100	—	—	40
Chromium		0.01 U	0.01 U	0.003 J	0.01 U	0.01 U	0.01 U	0.01 U	0.004 J	0.004 J	0.01 U
Cobalt		0.02 U	0.02 U	—	0.02 U	0.02 U	0.02 U	0.02 U	—	—	0.02 U
Copper		0.01 U	0.01 U	—	0.01 U	0.01 U	0.01	0.01 U	—	—	0.01 U
Iron		5.7	40	—	70	71	63	56	—	—	42
Lead		0.005 U	0.005 U	0.005 U	0.010	0.005 U	0.054	0.005	0.005 U	0.005 U	0.005 U
Magnesium		53	53	—	16	12	13	15	—	—	9.9
Manganese		0.1	0.15	—	1.0	1.8	1.4	1.1	—	—	7.7
Mercury		0.0005 U	0.0005 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	—	0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U
Potassium		3.8	5.3	—	9.2	8.7	8.8	11	—	—	6.3
Selenium		0.005 U	0.005 U	0.003 J	0.005 U	0.005 U	0.005 U	0.005 U	0.004 J	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 U
Sodium		43	59	—	90	120	100	100	—	—	62
Thallium		0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U
Vanadium		0.01 U	0.01 U	—	0.01 U	0.01	0.01 U	0.01 U	—	—	0.01 U
Zinc		0.05 U	0.05 U	—	0.19	0.05 U	0.25	0.05 U	—	—	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A
	SDG ID	L0106267	L0109029	L0111394	L0212377	3970	L0102597	L0106196	L0108838	L0111394	L0212735
	Dilution Factor	1	1	1	1	1		1	1	1	1
	Sample Date	06/15/01	09/26/01	12/04/01	12/04/02	11/17/99	03/23/01	06/18/01	09/21/01	12/04/01	12/16/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.16	0.13	0.14	0.14	—	0.21	0.16	0.12	0.14	0.13
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.31	0.32	0.27	0.2	0.5	0.25	0.32	0.32	0.29	0.2
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		42	43	42	36	—	42	43	50	44	41
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.004 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		53	45	46	42	—	38	50	41	40	41
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		10	10	10	8.9	—	10	10	12	11	10
Manganese		6.8	10	7.1	7.8	—	9.4	7.2	13	10	9.9
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		7.5	7.6	7.2	7.2	—	6.3	7.4	7.8	7.2	7.1
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium		68	69	70	73	—	62	67	70	68	72
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01	0.01 U	0.01 U	0.01 U	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15	MW-15
	SDG ID	3903	L0102408	L0105431	L0108838	L0111345	L0212604	3886	L0102408	L0105431	L0108729
	Dilution Factor	1		1	1	1	1	1		1	1
	Sample Date	11/12/99	03/19/01	06/14/01	09/21/01	12/03/01	12/11/02	11/10/99	03/19/01	06/13/01	09/18/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		—	0.10 U	0.1 U	0.11	0.12	0.11	—	0.10 U	0.1 U	0.1 U
Antimony		—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U	0.05 U	0.05 U
Arsenic		0.005	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.08 J	0.09	0.12	0.1	0.08	0.08	0.1	0.12	0.1	0.09
Beryllium		—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U
Cadmium		0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U
Calcium		—	82	85	85	77	64	—	60	72	60
Chromium		0.005 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.003 J	0.01 U	0.01 U	0.01 U
Cobalt		—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	0.02 U	0.02 U	0.02 U
Copper		—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U	0.01 U	0.01 U
Iron		—	31	23	28	28	36	—	52	47	39
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		—	20	21	19	17	14	—	10	10	9.3
Manganese		—	5.2	3.5	3.8	3.8	4.1	—	2.7	1.9	1.5
Mercury		0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	0.025 U	0.025 U	0.025 U
Potassium		—	12	12	12	11	11	—	9.5	13	11
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 U	0.01 UJ	0.01 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 UJ	0.01 U	0.007 U
Sodium		—	91	88	92	93	110	—	88	100	110
Thallium		—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U
Vanadium		—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U	0.01 U	0.01 U
Zinc		—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17
	SDG ID	L0111345	L0212735	3886	L0102479	L0105431	L0108729	L0111345	L0212246	3958	L0102674
	Dilution Factor	1	1	1		1	1	1	1	1	
	Sample Date	12/03/01	12/16/02	11/11/99	03/21/01	06/13/01	09/18/01	12/03/01	12/02/02	11/18/99	03/27/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	—	0.17	0.1 U	0.1 U	0.11	0.11	—	0.29
Antimony		0.05 U	0.05 U	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.14	0.19	0.1	0.15	0.1	0.08	0.08	0.06	0.05 J	0.07
Beryllium		0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U
Cadmium		0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U
Calcium		61	57	—	59	39	38	35	32	—	58
Chromium		0.01 U	0.01 U	0.002 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	0.02 U
Copper		0.01 U	0.01 U	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U
Iron		49	59	—	0.67	1.9	2.8	8.1	14	—	0.80
Lead		0.005 U	0.005 U	0.001 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		10	10	—	14	8.4	6.8	6.2	6.2	—	7.9
Manganese		3.8	4.9	—	2.1	1.5	1.3	1.4	1.2	—	0.40
Mercury		0.0005 U	0.0005 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	0.025 U
Potassium		10	9.7	—	7.2	6.6	6.5	6.2	7.3	—	5.1
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U
Sodium		98	110	—	180	170	160	160	150	—	33
Thallium		0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U
Vanadium		0.01 U	0.01 U	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U
Zinc		0.05 U	0.05 U	—	0.11	0.07	0.06	0.08	0.05	—	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-17	MW-17	MW-17 12/5	MW-17	MW-22A	MW-22A	MW-22A	MW-22A	MW-24	MW-24 (FF)
	SDG ID	L0106196	L0108838	L0111561	L0212763	3970	L0102674	L0106196	L0109029	3886	3886
	Dilution Factor	1	1	1	1	1		1	1	1	1
	Sample Date	06/18/01	09/21/01	12/05/01	12/17/02	11/17/99	03/27/01	06/18/01	09/27/01	11/11/99	11/11/99
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.33	31	0.16	—	0.10 U	0.3	0.11	—	—
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U	0.05 U	0.05 U	—	—
Arsenic		0.005 U	0.005 U	0.018	0.005 U	0.012	0.043	0.023	0.081	0.005 U	0.005 U
Barium		0.04	0.05	0.3	0.08	0.6	0.11	0.09	0.26	0.4	0.3
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U	—	—
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U
Calcium		44	46	52	59	—	440	120	230	—	—
Chromium		0.01 U	0.01 U	0.04	0.01 U	0.006 J	0.01 U	0.01 U	0.01 U	0.004 J	0.004 J
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	—	0.09	0.15	0.03	—	—
Copper		0.01 U	0.01 U	0.11	0.01 U	—	0.02	0.03	0.01	—	—
Iron		0.3	4.3	110	0.69	—	360	110	250	—	—
Lead		0.005 U	0.005 U	0.503	0.005	0.001 J	0.023	0.104	0.026	0.005 U	0.005 U
Magnesium		6.8	7.7	11	8	—	120	21	43	—	—
Manganese		1.5	2.4	3	1.5	—	15	4.3	5.9	—	—
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	—	0.294	0.961	0.129	—	—
Potassium		5.1	5.9	8.4	5.5	—	57	11	29	—	—
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.003 J	0.009	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.007 U	0.007 U	0.01 U	0.01 U
Sodium		29	30	24	27	—	150	100	110	—	—
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U	—	—
Vanadium		0.01 U	0.01 U	0.14	0.01 U	—	0.03	0.07	0.03	—	—
Zinc		0.05 U	0.05 U	0.43	0.05 U	—	0.57	1.9	0.05 U	—	—

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	MW-24	MW-24	MW-24	MW-24	MW-24	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1
	SDG ID	L0102408	L0106286	L0108729	L0111345	L0212604	3958	L0102627	L0106286	L0109029	L0111394
	Dilution Factor		1	1	1	1	1		1	1	1
	Sample Date	03/19/01	06/13/01	09/19/01	12/03/01	12/11/02	11/18/99	03/23/01	06/14/01	09/26/01	12/04/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	—	0.77	0.25	0.15	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.46	0.3	0.4	0.43	0.27	2.1	0.94	0.81	0.98	1
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		58	49	59	59	47	—	80	80	84	77
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.006 J	0.01 U	0.01 U	0.01 U	0.01
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U	0.01 U	0.01 U	0.01 U
Iron		42	37	45	53	19	—	60	68	68	56
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		16	13	16	17	14	—	14	13	14	13
Manganese		5.4	3.3	5.5	4.5	2.8	—	3.2	2.2	2.2	2.3
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		8.3	7.5	8.2	8	7.4	—	8.8	9	9.6	9.2
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.003 J	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 UJ	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U
Sodium		75	96	82	79	82	—	84	100	97	94
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	0.07	0.27	0.19	0.1

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	GCA-1	ECJ-1-37	ECJ-1 FF-37	ECJ-1-35' 1800	ECJ-1-37'	ECJ-1-37'	ECJ-1-37	ECJ-1-37	ECJ-1-62	ECJ-1 FF-62
	SDG ID	L0212604	4237	4237	L0102627	L0105697	L0108767	L0111395	L0212377	4237	4237
	Dilution Factor	1	1	1		1	1	1	1	1	1
	Sample Date	12/12/02	12/19/99	12/19/99	03/24/01	06/22/01	09/19/01	12/04/01	12/04/02	12/18/99	12/18/99
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	—	—	0.10	0.1	0.1 U	0.1 U	0.1 U	—	—
Antimony		0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		1.6	0.8	0.6	0.39	0.44	0.42	0.38	0.32	0.1	0.2
Beryllium		0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—
Cadmium		0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U
Calcium		86	—	—	52	51	53	54	45	—	—
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	—
Copper		0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—
Iron		68	—	—	47	59	58	54	120	—	—
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		21	—	—	14	13	14	14	12	—	—
Manganese		4	—	—	7.5	7.4	8	8	6.6	—	—
Mercury		0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	—
Potassium		14	—	—	6.8	7.9	7.6	7.2	8.6	—	—
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U
Sodium		87	—	—	62	66	64	67	70	—	—
Thallium		0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—
Vanadium		0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—
Zinc		0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-1-60' 1615	ECJ-1-62'	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-72	ECJ-1 FF-72	ECJ-1-70' 1415	ECJ-1-72'	ECJ-1-72
	SDG ID	L0102627	L0105697	L0108729	L0111395	L0212377	4237	4237	L0102625	L0105697	L0108729
	Dilution Factor		1	1	1	1	1	1		1	1
	Sample Date	03/24/01	06/22/01	09/19/01	12/04/01	12/04/02	12/18/99	12/18/99	03/24/01	06/22/01	09/19/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	—	—	0.11	0.13	0.11
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.30	0.3	0.35	0.34	0.28	0.04 J	0.04 J	0.27	0.29	0.29
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U
Calcium		63	62	68	67	58	—	—	62	64	67
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U
Iron		28	28	37	38	41	—	—	31	28	29
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		17	16	18	18	15	—	—	15	15	16
Manganese		5.9	5.6	7.2	6.6	6.3	—	—	5.7	6.4	6.8
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U	0.025 U
Potassium		5.7	5.9	6.2	5.8	6.4	—	—	4.9	4.9	4.7
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 U	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U
Sodium		58	58	64	61	65	—	—	53	50	50
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	ECJ-1-72	ECJ-1-72	ECJ-1-122	ECJ-1 FF-122	ECJ-1-120' 1215	ECJ-1-122'	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-148
	SDG ID	L0111395	L0212377	4237	4237	L0102625	L0105697	L0108729	L0111395	L0212377	4237
	Dilution Factor	1	1	1	1		1	1	1	1	1
	Sample Date	12/04/01	12/04/02	12/18/99	12/18/99	03/24/01	06/21/01	09/19/01	12/04/01	12/03/02	12/17/99
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.13	0.17	—	—	0.12	0.2	0.1 U	0.1 U	0.1 U	—
Antimony		0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.29	0.26	0.06 J	0.06 J	1.2	1.5	1.2	0.74	1.1	0.1 U
Beryllium		0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—
Cadmium		0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U
Calcium		67	66	—	—	130	150	120	88	100	—
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—
Copper		0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—
Iron		29	22	—	—	72	89	67	40	62	—
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		16	15	—	—	30	34	27	19	22	—
Manganese		6.9	6	—	—	4.7	4.9	4.7	6.9	4.9	—
Mercury		0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—
Potassium		4.2	4.2	—	—	10	12	11	6.6	11	—
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U
Sodium		47	49	—	—	64	73	71	53	79	—
Thallium		0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—
Vanadium		0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—
Zinc		0.05 U	1.1	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-1 FF-148	ECJ-1-145' 0955	ECJ-1-148'	ECJ-1-146	ECJ-1-148	ECJ-1-148	ECJ-1-267	ECJ-1 FF-267	ECJ-1-265' 1350	ECJ-1-267'
	SDG ID	4237	L0102625	L0105697	L0108729	L0111395	L0212246	4237	4237	L0102597	L0105697
	Dilution Factor	1		1	1	1	1	1	1		1
	Sample Date	12/17/99	03/24/01	06/21/01	09/19/01	12/04/01	12/03/02	12/17/99	12/17/99	03/23/01	06/21/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		—	0.11	0.1 U	0.1 U	0.1 U	0.1 U	—	—	0.10 U	0.1 U
Antimony		—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.04 J	0.08	0.12	0.87	0.57	0.85	0.05 J	0.05 J	0.03	0.03
Beryllium		—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U
Cadmium		0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U
Calcium		—	75	84	110	82	100	—	—	23	22
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U
Copper		—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U
Iron		—	3.1	4	48	31	50	—	—	0.09	0.1
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		—	14	16	23	17	22	—	—	3.3	3.2
Manganese		—	1.3	1.5	4.2	5.3	4.7	—	—	0.21	0.2
Mercury		0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U
Potassium		—	2.0 U	2	8.1	5.3	8.4	—	—	2.0 U	1 U
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U
Sodium		—	25	28	58	46	66	—	—	14	14
Thallium		—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U
Vanadium		—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U
Zinc		—	0.05 U	0.05 U	0.05 U	0.08	0.11	—	—	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2 FF-47	ECJ-2-47' 0940	ECJ-2-47'	ECJ-2-47	ECJ-2-47	ECJ-2-47
	SDG ID	L0108729	L0111344	L0212246	4345	4345	L0102765	L0105640	L0108838	L0111491	L0212604
	Dilution Factor	1	1	1	1	1		1	1	1	1
	Sample Date	09/19/01	12/03/01	12/03/02	01/03/00	01/03/00	03/29/01	06/20/01	09/21/01	12/05/01	12/11/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	—	—	0.12	0.1 U	0.1 U	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U
Barium		0.03	0.03	0.03	0.04 J	0.04 J	0.04	0.04	0.05	0.03	0.03
Beryllium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		24	23	22	—	—	88	100	110	97	89
Chromium		0.01 U	0.01 U	0.01 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		0.11	0.28	0.17	—	—	5.1	5.5	6.8	3.4	5.1
Lead		0.005 U	0.005 U	0.005 U	0.002 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		3.4	3.4	3.2	—	—	29	31	34	32	28
Manganese		0.22	0.22	0.21	—	—	5.0	5.4	7	5.5	4.1
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		1 U	1 U	1 U	—	—	6.9	7.3	6.3	4.5	4.8
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 UJ	0.007 U
Sodium		14	14	14	—	—	35	47	63	31	45
Thallium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-2-82	ECJ-2 FF-82	ECJ-2-82' 16:10	ECJ-2-82'	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-117	ECJ-2 FF-117	ECJ-2-117' 1400
	SDG ID	4345	4345	L0102727	L0105640	L0108838	L0111491	L0212604	4345	4345	L0102727
	Dilution Factor	1	1		1	1	1	1	1	1	
	Sample Date	01/03/00	01/03/00	03/28/01	06/20/01	09/20/01	12/05/01	12/11/02	01/03/00	01/03/00	03/28/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		—	—	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	—	—	0.10 U
Antimony		—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.1 U	0.1 U	0.01	0.01	0.01	0.01	0.01	0.1 U	0.1 U	0.01
Beryllium		—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U
Cadmium		0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U
Calcium		—	—	80	83	84	84	87	—	—	76
Chromium		0.02 U	0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	—	0.02 U
Copper		—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U
Iron		—	—	1.1	1.1	1.1	1.2	1.6	—	—	1.8
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		—	—	13	13	13	13	14	—	—	13
Manganese		—	—	0.33	0.34	0.35	0.35	0.38	—	—	0.33
Mercury		0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U
Potassium		—	—	2.2	2.5	2.3	2.2	2.8	—	—	2.0 U
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 U
Sodium		—	—	43	43	40	40	46	—	—	48
Thallium		—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U
Vanadium		—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U
Zinc		—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-2-117'	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-152	ECJ-2 FF-152	ECJ-2-152' 11:45	ECJ-2-152'	ECJ-2-152'	ECJ-2-152
	SDG ID	L0105640	L0108838	L0111491	L0212604	4249	4249	L0102727	L0105640	L0108767	L0111491
	Dilution Factor	1	1	1	1	1	1		1	1	1
	Sample Date	06/20/01	09/20/01	12/05/01	12/11/02	12/20/99	12/20/99	03/28/01	06/20/01	09/20/01	12/05/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	0.1 U	—	—	0.18	0.15	0.28	0.44
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U
Barium		0.01	0.02	0.02	0.03	0.06 J	0.06 J	0.24	0.24	0.26	0.24
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		94	85	92	97	—	—	170	170	150	130
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U
Iron		1.9	1.8	2	3.2	—	—	7.0	7	6.9	6.4
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		13	10	12	12	—	—	16	16	12	11
Manganese		0.59	0.66	0.61	0.96	—	—	2.6	2.5	2.5	2.2
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		2.4	2	2	2.8	—	—	5.5	5.7	4.4	3.9
Selenium		0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U
Silver		0.007 U	0.007 U	0.007 UJ	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 UJ
Sodium		48	40	44	52	—	—	56	56	49	46
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-2-152	ECJ-2-187	ECJ-2 FF-187	ECJ-2-187' 10:00	ECJ-2-187'	ECJ-2-187'	ECJ-2-187	ECJ-2-187	ECJ-3-63' 15:00	ECJ-3-51'
	SDG ID	L0212604	4249	4249	L0102727	L0106196	L0108767	L0111491	L0212604	L0102960	L0105697
	Dilution Factor	1	1	1		1	1	1	1		1
	Sample Date	12/11/02	12/19/99	12/19/99	03/28/01	06/19/01	09/20/01	12/05/01	12/11/02	04/03/01	06/21/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	—	—	0.10 U	0.27	0.1 U	0.1 U	0.1 U	0.10 U	0.1 U
Antimony		0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U
Barium		0.12	0.1	0.1	0.15	0.02	0.09	0.15	0.11	0.09	0.09
Beryllium		0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		67	—	—	69	39	48	83	55	44	37
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	—	—	0.01 U	0.07	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		2.2	—	—	1.4	2.3	0.43	3.7	0.97	8.5	8.3
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.006	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		7.5	—	—	11	4.6	6.4	14	7.3	14	11
Manganese		1.1	—	—	1.2	0.53	0.85	1.7	1	0.64	0.9
Mercury		0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	—	—	0.025 U	0.025	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		2.8	—	—	2.0 U	3	1.2	2.9	1.6	10	7.3
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 UJ	0.007 U	0.01 U	0.007 U
Sodium		49	—	—	56	24	45	52	48	150	150
Thallium		0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	—	—	0.05 U	7.7	0.05 U	0.05 U	0.07	0.05 U	0.05

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-103' 11:55	ECJ-3-91'	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-138' 10:50	ECJ-3-126'
	SDG ID	L0108729	L0111344	L0212246	L0102960	L0105697	L0108729	L0111344	L0212246	L0102960	L0105640
	Dilution Factor	1	1	1		1	1	1	1		1
	Sample Date	09/18/01	12/03/01	12/02/02	04/03/01	06/21/01	09/18/01	12/03/01	12/02/02	04/03/01	06/21/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	0.10 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.07	0.06	0.04	0.04	0.03	0.02	0.02	0.03	0.04	0.03
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		37	43	39	42	36	35	34	31	43	38
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.01 U
Iron		20	17	13	0.07	0.08	0.09	0.13	19	0.06	0.15
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		9.8	12	12	19	16	16	17	12	19	17
Manganese		0.95	0.89	0.66	0.01	0.02	0.01	0.01 U	0.56	0.01	0.03
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		6.4	5.9	6.6	8.4	6.1	5.5	5	7.1	6.7	6.4
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.01 U	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.007 U
Sodium		140	130	130	120	120	120	110	100	120	130
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.83	0.05 U	0.05

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-3-126	ECJ-3-126	ECJ-3-126	ECJ-3-146	ECJ-3-146	ECJ-3-146	ECJ-4-62	ECJ-4 FF-62	ECJ-4-60' 11:30	ECJ-4-60'
	SDG ID	L0108729	L0111344	L0212246	L0108729	L0111344	L0212246	4357	4357	L0102730	L0107373
	Dilution Factor	1	1	1	1	1	1	1	1		1
	Sample Date	09/18/01	12/03/01	12/02/02	09/18/01	12/03/01	12/02/02	01/05/00	01/05/00	03/27/01	08/09/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.19	0.1 U	0.1 U	0.1 U	—	—	0.10 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.03	0.02	0.04	0.09	0.07	0.06	0.1 U	0.1 U	0.010 U	0.01 U
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U
Calcium		35	34	47	51	36	37	—	—	130	120
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02 U	0.01 U	0.02	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U
Iron		0.2	0.13	9.1	4.1	0.95	0.33	—	—	0.09	0.07
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		16	16	19	14	9.8	10	—	—	46	46
Manganese		0.02	0.02	1	4.5	2.7	2.8	—	—	0.010 U	0.01 U
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U
Potassium		5.4	5	6.2	1.7	1.4	1.4	—	—	3.5	3.2
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U
Sodium		110	110	120	33	19	16	—	—	50	47
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.08

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-4-60'	ECJ-4-62	ECJ-4-62	ECJ-4-87	ECJ-4 FF-87	ECJ-4-85' 10:45	ECJ-4-85'	ECJ-4-85'	ECJ-4-87	ECJ-4-87
	SDG ID	L0109029	L0111561	L0212520	4357	4357	L0102730	L0107373	L0109029	L0111561	L0212520
	Dilution Factor	1	1	5	1	1		1	1	1	1
	Sample Date	09/26/01	12/06/01	12/09/02	01/05/00	01/05/00	03/27/01	08/09/01	09/26/01	12/06/01	12/09/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	—	—	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.01 U	0.01 U	0.01	0.1 U	0.1 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U
Beryllium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		120	120	120	—	—	130	120	120	120	130
Chromium		0.01 U	0.01 U	0.01 U	0.02 U	0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		0.05 U	0.1 U	0.25 U	—	—	0.05	0.13	0.05 U	0.1 U	0.05 U
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		47	46	50	—	—	46	43	45	44	47
Manganese		0.01 U	0.01 U	0.01 U	—	—	0.03	0.01	0.01	0.01	0.07
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		3.4	3.1	4.5	—	—	3.6	3.2	3.7	3	4.2
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium		48	44	58	—	—	51	46	50	44	57
Thallium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-4-132	ECJ-4 FF-132	ECJ-4-130' 16:35	ECJ-4-130'	ECJ-4-130'	ECJ-4-132	ECJ-4-132	ECJ-4-162	ECJ-4 FF-162	ECJ-4-160' 15:30
	SDG ID	4345	4345	L0102674	L0107373	L0109029	L0111561	L0212520	4345	4345	L0102629
	Dilution Factor	1	1		1	1	1	1	1	1	
	Sample Date	01/04/00	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01	12/09/02	01/04/00	01/04/00	03/26/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		—	—	0.10 U	0.1 U	0.1 U	0.1 U	0.1 U	—	—	0.1 U
Antimony		—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.1 U	0.1 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.1 U	0.01 U
Beryllium		—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U
Cadmium		0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U
Calcium		—	—	140	140	140	130	120	—	—	55
Chromium		0.01 U	0.01 U	0.02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	—	—	0.02 U
Copper		—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U
Iron		—	—	0.23	0.28	0.08	0.16	0.05 U	—	—	0.36
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		—	—	41	40	41	40	47	—	—	11
Manganese		—	—	0.16	0.17	0.17	0.17	0.01 U	—	—	0.12
Mercury		0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U
Potassium		—	—	3.5	3.2	3.6	3	4.2	—	—	2 U
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 U
Sodium		—	—	40	41	43	37	58	—	—	22
Thallium		—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U
Vanadium		—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U
Zinc		—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

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O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-4-160'	ECJ-4-160'	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4 FF-227	ECJ-4-225' 12:40	ECJ-4-225'	ECJ-4-223'	ECJ-4-227
	SDG ID	L0107373	L0109029	L0111561	L0212520	4345	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1		1	1	1
	Sample Date	08/09/01	09/26/01	12/06/01	12/09/02	01/04/00	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	0.1 U	—	—	0.1	0.1 U	0.1 U	0.1 U
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U
Beryllium		0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		55	58	55	100	—	—	46	48	46	45
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	0.02 U	0.02 U	0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U
Iron		0.48	0.08	0.1 U	1	—	—	0.14	0.31	0.12	0.1 U
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		11	12	11	20	—	—	4.1	4.2	4.1	4
Manganese		0.1	0.11	0.1	0.58	—	—	0.11	0.12	0.11	0.11
Mercury		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		1.8	2.1	1.9	2.9	—	—	2 U	1 U	1 U	1 U
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U
Sodium		33	24	22	28	—	—	24	24	23	21
Thallium		0.005 U	0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, — - not analyzed.

O'BRIEN & GERE ENGINEERS, INC.

Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-4-227	ECJ-4-245	ECJ-4 FF-245	ECJ-4-245' 11:15	ECJ-4-245'	ECJ-4-245'	ECJ-4-245	ECJ-4-245	Equipment Blank
	SDG ID	L0212377	4345	4345	L0102629	L0107373	L0109029	L0111561	L0212377	L0212763
	Dilution Factor	1	1	1		1	1	1	1	1
	Sample Date	12/05/02	01/04/00	01/04/00	03/26/01	08/09/01	09/26/01	12/06/01	12/05/02	12/17/02
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	—	—	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Antimony		0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.01 U	0.1 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Beryllium		0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium		0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		52	—	—	35	40	41	39	47	0.1 U
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.03	0.01 U	0.01 U	0.01 U
Cobalt		0.02 U	—	—	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper		0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		0.29	—	—	0.08	0.14	0.24	0.12	0.31	0.05 U
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		4.4	—	—	4	4.3	4.2	3.9	4.2	0.1 U
Manganese		0.15	—	—	0.07	0.08	0.09	0.09	0.14	0.01 U
Mercury		0.0005 U	0.0002 U	0.0002 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—
Nickel		0.025 U	—	—	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium		1 U	—	—	2 U	1 U	1 U	1 U	1 U	1 U
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver		0.007 U	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium		25	—	—	23	23	23	20	25	1 U
Thallium		0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vanadium		0.01 U	—	—	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.05 U	—	—	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.

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Appendix G

Ground Water Treatment Plant Flow Data

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)	Flow Average	Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes:
1	January	20,000	27,202	19		37.5	97.5	10.5	658	Data reflects 2 day average
2	January	18,419	25,316	18	6.9	27	64	9	554	Plant shut down due to low flow, restart 1000
3	January	19,640	29,827	21	6.9	30	87	10	741	Plant shut down due to low flow, restart 0800
4	January	21,412	31,361	22	6.4	34	94	18	630	Plant shut downdue to low flow, restart 0800
5	January	21,412	31,361	22		34	94	18	630	Plant on line
6	January	21,412	31,361	22		34	94	18	630	Plant on line
7	January	24,607	23,628	16	6.8	7	105	9	995	Plant on line
8	January	0	0	0	6	0	0	0	591	Plant down for maintaince
9	January	0	0	0	6.2	0	0	0	292	Plant down for maintaince
10	January	29,535	31,143	22	6.2	23	64	11	1055	Restart plant 1300
11	January	44,245	39,406	27	6.1	41	95	13.6	1009	Plant down due to low flow, restart 0850
12	January	44,245	30,406	21		41	95	13.6	1009	Data reflects 3 day average
13	January	44,245	30,406	21		41	95	13.6	1009	Data reflects 3 day average
14	January	44,931	38,230	27	6.2	60	146	14	673	Plant operational
15	January	37,197	33,076	23	6.9	55	120	11	546	Plant down due to low flow, restart 0915
16	January	34,539	31,164	22	6.5	51	112	11	516	Plant on line
17	January	37,193	30,348	21	7	50	98	11	561	Plant on line
18	January	33,550	27,989	19	7.4	27.5	83	10	563	Plant on line, Data reflects 4 day average
19	January	33,550	27,989	19		27.5	83	10	563	Plant on line, Data reflects 4 day average
20	January	33,550	27,989	19		27.5	83	10	563	Power failure, restart plant 0900
21	January	33,550	27,989	19		27.5	83	11	563	Plant on line, Data reflects 4 day average
22	January	36,556	30,471	21	7.4	32	109	10	755	Plant on line
23	January	38,151	34,840	24	7.4	43	117	13	546	Plant on line
24	January	42,920	37,750	26	6.8	41	109	12	501	Plant on line
25	January	38,389	33,558	23	6.8	33	84	12.3	566	Plant on line, Data reflects 3 day average
26	January	38,389	33,558	23		33	84	12.3	566	Plant on line , Data reflects 3 day average
27	January	39,389	33,558	23		34	84	12.3	566	Plant on line, Data reflects 3 day average
28	January	37,420	33,735	23	6.2	32	92	12	616	Plant on line
29	January	30,292	20,695	14	6.6	21	52	7	636	Plant on line
30	January	37,929	39,870	28	6.9	35	83	13	733	Shut down due to low flow, restart 0800
31	January	42,560	42,674	30	6.2	40	87	15	561	Plant on line
	Totals:	**979227**	**916900**			**1019.5**	**2693.5**	**351.2**	**20397**	

SULLIVAN'S LEDGE SUPERFUND SITE

Ground Water Treatment Plant

Performance Data Summary

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)	Flow Average	Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes:
1	February	33,996	32,657	23	6.5	28	86	11.3	506	Plant on line
2	February	33,996	32,657	23		28	86	11.3	506	
3	February	33,996	32,657	23		28	86	11.3	506	
4	February	31,837	27,577	19	7.3	28	83	10	501	Plant on line
5	February	35,845	42,034	29	7.2	40	124	14	531	Plant shut-down,due to low flow. Restart at 0840
6	February	26,602	19,674	14	7.1	41	86	8	419	Plant on line
7	February	31,945	37,287	26	6.6	38	109	12	621	Plant shut-down,due to low flow. Restart at 1130
8	February	29,811	31,041	22	6.4	34.7	91.7	11	1291	Plant on line
9	February	29,811	31,041	22		34.7	91.7	11	1291	
10	February	29,811	31,041	22		34.7	91.7	11	1291	
11	February	34,126	43,956	31	6.2	41	109	14	778	Plant on line
12	February	28,425	33,046	23	6.1	35	94	12	965	Plant on line
13	February	23,668	26,133	18	6.4	40	79	10	898	Plant shut -down, due to power failure, Restart at 1050
14	February	28,469	41,429	29	6.5	40	124	13	935	Plant shut-down, due to low flow, Restart at 0815
15	February	25,160	34,238	24	7	41	85.5	11.75	692	Plant on line
16	February	25,160	34,238	24		41	85.5	11.75	692	
17	February	25,160	34,238	24		41	85.5	11.75	692	
18	February	25,160	34,238	24		41	85.5	11.75	692	
19	February	19,430	19,572	14	6.8	20	53	7	741	Plant on line
20	February	25,697	42,109	29	6.6	40	109	14	449	Plant shut-down, due to low flow, Restart at 0810
21	February	24,752	34,931	24	7.6	40	128	13	396	Plant on line
22	February	21,489	27,208	19		40	86	9.3	568	Plant on line
23	February	21,489	27,208	19		40	86	9.3	568	
24	February	21,489	27,208	19		40	87	9.3	568	
25	February	26,100	42,519	30	6.3	50	147	14	755	Plant on line
26	February	24,382	38,059	26	6.2	45	131	13	304	Plant on line
27	February			0	6.9					Shut down plant 0705, Acid tank repair
28	February			0						Plant shut down
				0						
				0						
				0						
				0						
	Totals:	717806	857996			970.1	2510.1	295.8	18156	

SULLIVANS LEDGE SUPERFUND SITE

Ground Water Treatment Plant

Performance Data Summary

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)	Flow Average	Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes:
1	April	0	0	0					22	Facility off line, acid system off line
2	April	57,906	56,066	39	8.0	60	113	17	875	Plant on line 0900, 50 % sulfuric acid
3	April	54498	54924	38	7.4	53	143	16	673	Facility Operational
4	April	55349	55913	39	6.3	55	173	17	524	Facility Operational
5	April	53938	54623	38	6.1	32	126.3	17	741	Facilty Operational Data reflects three day average
6	April	53938	54623	38		32	126.3	17	741	Facility Operational Data reflects three day average
7	April	53938	54623	38		32	126.3	17	741	Facility Operational Data reflects three day average
8	April	55115	56728	39	6.6	22	147	17	658	Facility Operational
9	April	54689	55202	38	6.5	35	150	17	853	Facility Operational
10	April	54493	56925	40	6.6	28	151	17	613	Facility Operational
11	April	55443	56811	39	6.4	33	154	17	621	Facility Operational
12	April	48774	49936	35	6.1	30	137	16	665	Facility Operational Data reflects four day average
13	April	48774	49936	35		30	137	16	665	Facility Operational Data reflects four day average
14	April	48774	49936	35		30	137	16	665	Facility Operational Data reflects four day average
15	April	48774	49336	34		30	137	16	665	Facility Operational Data reflects four day average
16	April	55642	56998	40	6.0	29	136	18	636	Facility Operational
17	April	51441	51818	36	6.0	33	150	16	606	Facility Operational
18	April	46909	46179	32	6.0	24	120	15	621	Facility Operational
19	April	38049	37059	26	7.1	23	133	12	386	Facility Operational Data reflects three day average
20	April	38049	37059	26		23	133	12	386	Facility Operational Data reflects three day average
21	April	38049	37059	26		23	133	12	386	Facility Operational Data reflects thee day average
22	April	44429	53043	37	6.7	30	158	15	337	Facility Operational
23	April	53975	59967	42	6.1	27	124	17	636	Facility Operational
24	April	50888	57507	40	6.0	23	113	15	583	Facility Operational
25	April	34152	40634	28	6.3	16	79	10	913	Facility off line due to power failure Restarted 0800
26	April	53847	60250	42	7.0	13	83	16	770	Facility Operational
27	April	53847	60250	42		13	83	16	770	Facility Opeational
28	April	53847	60250	42		13	83	16	770	Facility Operational
29	April	46339	57762	40	6.0	19	98	15	875	Facility Operational
30	April	55496	61056	42	7.0	25	146	17	726	Facility Operational
				0						
	Totals:	1459362	1532473			836	3729.9	455	19123	

SULLIVANS ISLAND SUPERFUND SITE

Ground Water Treatment Plant

Performance Data Summary

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)	Flow Average	Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes:
1	May	51029	56764	39	6.6	35	173	15	471	Facility Operational
2	May	53779	60484	42	7.0	29	188	16	501	Facility Operational
3	May	55071	61445	43	6.5	26	150	17	578	Facility Operational, Data reflectes three day average
4	May	55071	61445	43	6.5	26	150	17	578	Facility Operational, Data reflectes three day average
5	May	55071	61445	43	6.5	26	150	17	578	Facility Operational, Data reflectes three day average
6	May	52787	60011	42	6.3	29	113	17	778	Facility Operational
7	May	54762	62386	43	6.2	27	147	17	711	Facility Operational
8	May	50065	57337	40	6.7	30	154	16	667	Facility Operational
9	May	53511	59667	41	6.5	26	117	17	957	Facility Operational
10	May	54816	61554	43	7.2	25	110	16	1239	Facility Operational, Data reflectes three day average
11	May	54816	61554	43	7.2	25	110	16	1239	Facility Operational, Data reflectes three day average
12	May	54816	61554	43	7.2	25	110	16	1239	Facility Operational, Data reflectes three day average
13	May	53155	61862	43	6.4	26	158	16	793	Facility Operational, Interim wel flow meters not working,
14	May	50455	57550	40	6.8	27	177	15	980	Facility Operational
15	May	50634	59577	41	6.2	26	124	16	845	Facility Operational
16	May	51544	57810	40	6.4	26	109	16	808	Facility Operational
17	May	52571	60718	42	7.0	28	179	16	915	Facility Operational, Data reflects three day average
18	May	52571	60718	42	7.0	28	179	16	915	Facility Operational, Data reflects three day average
19	May	52571	60718	42	7.0	28	179	16	915	Facility Operational, Data reflects three day average
20	May	46849	53983	37	6.5	22	158	15	860	Facility Operational, Bedrock pumps off for level testing. Acid lea
21	May	51152	58485	41	6.2	18	105	16	1002	Facility Operational, Bedrock pumps back on 1400 - 5/21/02
22	May	39059	41967	29	6.5	16	98	13	1219	Facility Operational
23	May	46597	50420	35	6.5	17	94	14	778	Facility Operational
24	May	41969	48955	34	5.9	17	36	11	1019	Facility Operational, Data reflects four day average
25	May	41969	48955	34	5.9	17	36	11	1019	Facility Operational, Data reflects four day average
26	May	41969	48955	34	5.9	17	36	11	1019	Facility Operational, Data reflects four day average
27	May	41969	48955	34	5.9	17	36	11	1019	Facility Operational, Data reflects four day average
28	May	43180	51271	36	9.0	14	173	12	703	Facility Operational
29	May	39852	47160	33	9.2	17	151	14	970	Facility Operational
30	May	44837	51468	36	6.1	17	151	14	1142	Facility Operational
31	May	42611	51125	36	5.7	18	103	13	972	Facility Operational, Data reflects three day average
	Totals:	1531108	1746298			725	3954	463	27429	

SULLIVAN'S LEDGE SUPERFUND SITE
Groundwater Treatment Plant

Performance Data Summary

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)	Flow Average	Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes:
1	June	42611	51125	36	5.7	18	103	13	972	Facility Operational, Data reflects three day average
2	June	42611	51125	36	5.7	18	103	13	972	Facility Operational, Data reflects three day average
3	June	43549	46762	32	6.0	17	120	15	785	Facility Operational, Bedrock pumps off for O.B.G.
4	June	39130	40018	28	6.6	15	128	12	989	Facility Operational, Bedrock & int. wells off for OBG
5	June	38770	43798	30	6.2	14	101	12	554	Facility Operational, Bedrock & int. wells off for OBG
6	June	8239	12896	9	6.4	15	38	4	247	Process Down, All Influent off for OBG
7	June			0						
8	June	41939	43616	30	6.5	15	133	12	528	Facility Operational, Int. & Bedrock wells off. Two day averagre
9	June	41939	43616	30	6.5	15	133	12	528	Facility Operational, Int. & Bedrock wells off. Two day averagre
10	June	47038	48938	34	6.2	19	98	15	222	Facility Operational, Int. & Bedrock wells off for OBG
11	June	46128	48770	34	6.1	17	130	13	733	Facility Operational, Bedrock pumps off for O.B.G.
12	June	50340	52956	37	6.3	27	158	14	449	Facility Operational, Acid leak repaired 6/12/02
13	June	54155	57441	40	6.6	27	180	16	554	Facility Operational
14	June	35565	35964	25	6.7	25	148	10	446	Facility Operational. Data reflects three day average
15	June	35565	35964	25	6.7	25	148	10	446	Facility Operational. Data reflects three day average
16	June	35565	35964	25	6.7	25	148	10	446	Facility Operational. Data reflects three day average
17	June	48821	50556	35	6.8	24	176	14	755	Facility Operational
18	June	49954	53510	37	6.3	26	151	16	441	Facility Operational
19	June	47892	51746	36	6.6	26	177	14	449	Facility Operational
20	June	52167	56703	39	6.7	26	161	15	419	Facility Operational
21	June	52146	54204	38	6.1	25	113	19	546	Facility Operational, Data reflects three day average
22	June	52146	54204	38	6.1	25	113	19	546	Facility Operational, Data reflects three day average
23	June	52146	54204	38	6.1	25	113	19	546	Facility Operational, Data reflects three day average
24	June	52818	54153	38	6.4	25	135	16	404	Facility Operational
25	June	55601	55960	39	6.4	27	150	15	516	Facility Operational
26	June	52455	54166	38	6.4	25	128	15	404	Facility Operational. Int.well levels not changing
27	June	54448	55408	38	6.4	25	128	14	509	Facility operational. Post clarifier acid leak. Shut off.
28	June	48544	52418	36	6.5	23	141	15	511	Facility Operational , Data reflects three day average
29	June	48544	52418	36	6.5	23	141	15	511	Facility Operational, Data reflects three day average
30	June	48544	52418	36	6.5	23	141	15	511	Facility Operational, Data reflects three day average
				0						
	Totals:	1319370	1401021			640	3837	402	15939	

SULLIVAN'S LEDGE SUPERFUND SITE

Ground Water Treatment Plant

Performance Data Summary

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)	Flow Average	Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes:
1	July	45757	49074	34	6.6	42	200	14	509	Facility operational
2	July	31183	33181	23	6.8	9	109	9	667	Facility was down Back on-line (excessive condensation on uv/ox
3	July	47578	48315	34	6.2	18	60	14	400	Facility Operational. Data reflects two day average.
4	July	47578	48315	34	6.2	18	60	14	400	Facility Operational. Data reflects two day average.
5	July	53039	53530	37	6.3	15	73	16	496	Facility Operational, Data reflects three day average
6	July	53039	53530	37	6.3	15	73	16	496	Facility Operational, Data reflects three day average
7	July	53039	53530	37	6.3	15	73	16	496	Facility Operational, Data reflects three day average
8	July	55021	55329	38	6.4	21	147	16	539	Facility Operational. Int wells off. Flow meters removed
9	July	25747	22138	15	6.5	8	71	6	411	Facility Down. Air compressor down.
10	July	0	0	0	6.5	0	0	0	0	Facility Down. Air compressor down.
11	July	33164	37864	26	6.7	13	94	11	329	Facility Operational
12	July	50614	51755	36	6.5	14	90	15	506	Facility Operatinal, Data reflects three day average
13	July	50614	51755	36	6.5	14	90	15	506	Facility Operational, Data reflects three day average
14	July	50614	51755	36	6.5	14	90	15	506	Facility Operational, Data reflects three day average
15	July	56004	56662	39	6.7	21	169	17	434	Facility Operational
16	July	53403	56289	39	6.5	23	117	16	494	Facility Operational
17	July	51315	54597	38	6.5	21	146	17	404	Facility Operational
18	July	54348	55244	38	6.5	24	135	16	494	Facility Operational
19	July	53945	55193	38	6.2	25	130	16	489	Facility Operational, Data reflects three day average
20	July	53945	55193	38	6.2	25	130	16	489	Facility Operational, Data reflects three day average
21	July	53945	55193	38	6.2	25	130	16	489	Facility Operational, Data reflects three day average
22	July	58667	60630	42	6.1	25	124	18	516	Facility Operational
23	July	60243	58992	41	6.3	27	146	18	441	Facility Operational
24	July	52689	55419	38	6.4	26	132	17	381	Facility Operational
25	July	53538	57669	40	6.4	24	154	17	411	Facility Operational
26	July	45097	44463	31	6.0	19	90	14	453	Facility Operational, Data reflects three day average
27	July	45097	44463	31	6.0	19	90	14	453	Facility Operational, Data reflects three day average
28	July	45097	44463	31	6.0	19	90	14	453	Facility Down. Low flow. Back online Data reflects 3 day avg.
29	July	39625	44072	31	6.2	23	132	15	396	Facility Operational
30	July	41939	44377	31	6.2	24	116	15	411	Facility Operational
31	July	25671	24995	17	6.3	16	203	7	1021	Facility went down low flow
	Totals:	1441555	1477985			602	3464	440	14490	

SULLIVAN'S SLIDE SUBURBAN SHK

Sewer Water Treatment Plant

Performance Data Summary

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)	Flow Average	Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes:
1	August	25671	24995	17	6.3	16	203	7	726	School, no coverage. Facility went down, low flow
2	August	26503	26296	18	6.8	14	77	8	404	Data reflects 3 day avg. Facility went down, low flow.
3	August	26503	26296	18	6.8	14	77	8	404	Data reflects 3 day avg. Facility went down, low flow.
4	August	26503	26296	18	6.8	14	77	8	404	Data reflects 3 day avg. Facility went down, low flow.
5	August	44446	42286	29	6.2	35	124	14	479	Facility Operational. Turned int. well #1 Leak repaired
6	August	50396	47334	33	6.1	24	135	15	419	Facility Operational.
7	August	48529	46008	32	6.4	22	132	14	389	Facility Operational
8	August	50787	47999	33	6.2	22	161	16	404	Facility Operational
9	August	28468	26371	18	6.6	12	80	8	372	Data reflects 3 day avg. Facility went down, low flow.
10	August	28468	26371	18	6.6	12	80	8	372	Data reflects 3 day avg. Facility went down, low flow.
11	August	28468	26371	18	6.6	12	80	8	372	Data reflects 3 day avg. Facility went down, low flow.
12	August	45791	47010	33	6.1	25	109	15	381	Facility operational
13	August	49268	45587	32	6.3	22	128	15	419	Facility operational
14	August	49268	45996	32	6.3	24	132	15	404	Facility operational
15	August	31600	26274	18	6.4	13	124	8	337	Facility down, low flow
16	August	0	0	0	0	0	0	0	0	Facility down, low flow
17	August	0	0	0	0	0	0	0	0	Facility down, low flow
18	August	0	0	0	0	0	0	0	0	Facility down, low flow
19	August	50368	50771	35	6.2	27	113	16	322	Facility operational
20	August	54259	49935	35	6.6	24	139	15	449	Facility operational
21	August	50438	48611	34	6.4	20	124	15	606	Facility operational
22	August	51621	51312	36	6.6	22	147	15	636	Facility operational
23	August	1999	1850	1	6.4	1	3	1	52	Facility was shut down for weekend
24	August	0	0	0	0	0	0	0	0	Facility down for weekend
25	August	0	0	0	0	0	0	0	0	Facility down for weekend
26	August	49617	48239	33	6.5	18	128	14	554	Facility operational
27	August	59552	54184	38	6.5	26	136	16	875	Facility operational
28	August	51084	50963	35	6.5	24	139	17	479	Facility operational
29	August	46294	45619	32	6.5	20	120	14	329	Facility operational
30	August	9148	9912	7	6.5	5	38	3	105	Facility was shut down for weekend
31	August	0	0	0	0	0	0	0	0	Facility was shut down for weekend
	Totals:	985049	942886			468	2806	293	10693	

SULLIVAN'S LEDGE SUPERFUND SITE — Performance Data Summary

Ground Water Treatment Plant

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)	Flow Average	Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes:
1	September	0	0	0		0	0	0	0	Facility down for weekend
2	September	0	0	0		0	0	0	0	Facility down for weekend
3	September	61039	58462	41	6.0	25	131	17	441	Facility operational
4	September	57675	56788	39	6.3	26	139	18	524	Facility operational
5	September	47543	48350	34	6.2	22	106	14	1077	Facility operational
6	September	6753	6129	4	6	3	18	2	120	Process was shut down for weekend
7	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
8	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
9	September	54876	54786	38	6.3	22	132	17	1070	Facility operational
10	September	53908	53367	37	6.3	25	135	16	452	Facility operational
11	September	47752	48765	34	6.4	22	121	14	441	Facility operational
12	September	46074	46974	33	6.1	24	139	14	613	Facility operational
13	September	2890	3383	2	6.3	2	34	2	90	Facility operational. Shut down for weekend.
14	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
15	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
16	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
17	September	43182	47836	33	6.1	17	90	14	539	Facility operational
18	September	49639	54728	38	6.1	20	124	15	793	Facility operational
19	September	46303	52273	36	6.4	30	150	16	606	Facility operational
20	September	4277	3870	3	6.4	2	11	1	127	Facility operational. Shut down for weekend.
21	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
22	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
23	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
24	September	43666	45864	32	6.2	20	101	13	509	Facility operational
25	September	52927	55473	39	6.4	26	136	17	441	Facility operational
26	September	48551	50187	35	6.3	27	154	15	853	Facility operational
27	September	4833	5078	4	6.6	2	11	2	67	Facility operational. Shut down for weekend.
28	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
29	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
30	September	0	0	0	0	0	0	0	0	Process was shut down for weekend
				0						
	Totals:	671888	692313			315	1732	207	8763	

SULLIVAN'S LEDGE SUPERFUND SITE

Ground Water Treatment Plant

Performance Data Summary

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)	Flow Average	Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes:
1	October	48921	49905	35	6.6	23	143	15	539	Facility operational
2	October	47228	47984	33	6.6	23	132	14	636	Facility operational
3	October	43710	43981	31	6.5	27	127	12	643	Facility operational
4	October	10586	9944	7	6.7	4	34	4	441	Facility operational. Shut down for weekend.
5	October	0	0	0	0	0	0	0	0	Down for weekend
6	October	0	0	0	0	0	0	0	0	Down for weekend
7	October	52437	51167	36	6.3	21	132	15	606	Facility operational
8	October	53670	51909	36	6.4	24	146	16	651	Facility operational
9	October	49783	48610	34	6.5	23	143	15	636	Facility operational. Coll. Tr. Cycled
10	October	28770	27840	19	6.6	13	132	9	733	Process down @ 21:30 low flow. Restart @ 08:50
11	October	3371	6102	4	6.3	8	15	0		Process down for weekend
12	October			0						
13	October			0						
14	October			0						
15	October			0						Process down. Had Naoh blockage post uv/ox
16	October	40534	39218	27	7.0	30	76	13		Facility operational
17	October	40379	42731	30	6.9	17	117	12		Facility operational
18	October	6931	6932	5	6.9	2	18	2		Facility operational. Shut down for weekend
19	October			0						
20	October			0						
21	October	48249	55529	39	6.6	24	150	15	711	Facility operational
22	October	50037	58468	41	6.5	24	165	17	636	Facility operational
23	October	46237	48841	34	6.6	22	155	14	987	Process down at 04:56. Restart at 07:40
24	October	39175	49687	35	6.7	25	161	16	1017	Facility operational
25	October	10229	11153	8	7.1	3	42	3	778	Facility operational. Shut down for weekend.
26	October			0						
27	October			0						
28	October			0						Drain & clean chem mix & clarifier tanks
29	October	50094	60722	42	6.3	25	150	18	1002	Facility operational.
30	October	39959	50555	35	6.3	25	150	13	942	Facility operational. OBG-1 back on line
31	October	43987	53938	37	6.4	30	234	15	1047	Facility operational
	Totals:	754287	815216			393	2422	238	12005	

SULLIVAN'S LEDGE SUPERFUND SITE

Ground Water Treatment Plant

Performance Data Summary

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)	Flow Average	Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes
1	november			0						
2	november			0						
3	november	5083	6124	4	7.0	4	26	1	209	Process was down for weekend
4	**november**	37393	47334	33	6.1	20	94	15	778	Facility operational
5	**november**	43678	54137	38	6.1	29	135	16	1032	Facility operational
6	november	43166	53434	37	6.0	27	139	17	546	Facility operational
7	november	26401	32798	23	6.4	19	117	8	494	Facility down, low flow. Restarted. OBG-3 not pumping, low p
8	november	3484	6707	28	6.7	4	19	1	30	Facility operational. Shut down for weekend
9	november			0						
10	november			0						
11	november			0						
12	november	20304	21532	15	6.6	13	176	7	673	Facility operational. P-171 down,removed, sent out for repair.
13	november	9251	13499	9	7.1	6	34	4	45	Facility operational. Using temp. pump in coll. Trench. Shut p
14	november	5045	6519	5	6.5	3	23	2	142	Facility operational w/temp pump.
15	november	18318	21237	15	6.4	15	71	6	314	Facility oerational. Shut down for weekend
16	november			0						
17	november			0						
18	november	15102	15308	11	6.2	7	45	5	97	Facility operational w/temp. pump
19	november	45501	57141	40	6.2	26	132	16	419	Facility operational. P-171 back in coll. Trench - on line
20	november	48927	59780	42	6.1	27	143	18	449	Facility operational
21	november	44019	53622	37	6.1	25	131	14	494	Facility operational
22	november	31285	36440	25	6.0	20	104	10	267	Data reflects three day average. Facility operational
23	november	31285	36440	25	6.0	20	104	10	267	Data reflects three day average. Facility operational
24	november	31285	36440	25	6.0	20	104	10	267	Data reflects three day average. Facility operational
25	november	29696	35427	25	6.3	17	129	11	433	Process went down - low air uv/ox. Check air system, ok. Re
26	november	22885	27416	19	6.4	12	105	7	396	Process went down - low air uv/ox. Check air system, ok. Re
27	november	26648	33848	24	7	18	182	9	475	Data reflects two day avg.
28	november	26648	33848	24	7	18	182	9	475	Data reflects two day avg. Process went down low air.
29	november			0						Process down.
30	november			0						Process down.
				0						
	Totals:	565404	689031			350	2195	196	8302	

SULLIVAN'S LEDGE SUPERFUND SITE

Ground Water Treatment Plant

Performance Data Summary

Day	Month/ 2002	Influent Total (gals)	Effluent Total (gals)		Effluent pH Low / High	Chemicals Used....gals Acid	Caustic	Peroxide	City Water	Notes
1	December									Process down
2	December	22164	30861	21	6.9	31	139	8	673	Process down, low air, check air system, bleed all lines, resta
3	December	20754	28912	20	6.9	19	83	8	400	Process down, low air. Bleed uv/ox air lines.Restart process
4	December	35022	45173	31	6.2	19	109	14	438	Facility operational
5	December	45046	56702	39	6.1	23	143	17	494	Facility operational
6	December	44492	58098	40	6.1	23	128	17	352	Facility operational, data reflects three day avg.
7	December	44492	58098	40	6.1	23	128	17	352	Facility operational, data reflects three day avg.
8	December	44492	58098	40	6.1	23	128	17	352	Facility operational, data reflects three day avg.
9	December	44475	61305	42	6.1	25	203	17	449	Facility operational
10	December	44359	62942	43	6.0	28	132	18	359	Facility operational
11	December	40149	61200	42	6.0	21	139	17	352	Facility operational
12	December	40091	64124	44	6.1	22	139	17	367	Facility operational
13	December	33890	63273	44	6.1	24	148	18	377	Facility operational, data reflects three day avg.
14	December	33890	63273	44	6.1	24	148	18	377	Facility operational, data reflects three day avg.
15	December	33890	63273	44	6.1	24	148	18	377	Facility operational, data reflects three day avg.
16	December	25487	51738	36	6.3	24	132	15	307	Facility operational
17	December	7339	15129	10	6.3	5	37	4	217	Process down, low flow
18	December	0	0	0	6.3	0	0	0	45	Process back on line @ 08:10
19	December	40118	67240	47	6.1	28	136	17	778	Facility operational
20	December	34586	66044	46	6.5	26	138	18	491	Facility operational, data reflects three day avg.
21	December	34586	66044	46	6.5	26	138	18	491	Facility operational, data reflects three day avg.
22	December	34586	66044	46	6.5	26	138	18	491	Facility operational, data reflects three day avg.
23	December	5693	11694	8	6.6	3	30	2	269	Shut process down, low collection trench.
24	December									
25	December									
26	December	35419	60045	46	6.1	24	136	16	269	Facility operational
27	December	38322	62166	43	6.1	24	135	16	224	Facility operational, data reflects three day avg.
28	December	38322	62166	43	6.1	24	135	16	224	Facility operational, data reflects three day avg.
29	December	38322	62166	43	6.1	24	135	16	224	Facility operational, data reflects three day avg.
30	December	35041	64540	44	6.2	22	135	18	247	Facility operational
31	December	7189	10120	7	6.3	4	23	3	224	Shut process down, problem with polymer feed.

O'BRIEN & GERE
ENGINEERS, INC.

April 22, 2003

Mr. David O. Lederer
Remedial Project Manager
Environmental Protection Agency (HBO)
Region 1
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Re: Sullivan's Ledge Superfund Site
Quarterly Ground Water
Sampling Event – Winter 2002

File: 5509/28602 #2

Dear Dave:

Please find enclosed for your review the Annual Ground Water Sampling Event – Winter 2002. Please contact me if you have any questions concerning this document.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC

James R. Heckathorne, PE
Vice President

I:\DIV71\Projects\5509\28602\5_rpts\Winter 2002 GW Report\WinterLEDER.doc
Attachment

cc: S. Wood, E. Bertaut, E. Vaughn, D. Dwight, S. Alfonse, M. Wade, P. Steinberg, J. Shanahan